

resultados



EUREKA 1985
2010



Doing business through technology
**25 ANOS NA
INICIATIVA EUREKA**



**25 ANOS NA
INICIATIVA EUREKA**

FICHA TÉCNICA

Editor: Agência de Inovação, SA

Prefixo de Editor: 972-97291

ISBN: 978-972-97291-4-0

Autor(es): Agência de Inovação, SA

Título: Agência de Inovação - Resultados – 25 Anos na Iniciativa EUREKA

Design: DESIGN@marianamattos.com

Impressão: In.spirit

Tiragem: 100 exemplares

Data: Junho 2011

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FOREWORD

UNOFFICIAL TRANSLATION

In 1985, when I was working as a physicist at CERN in Geneva, I received a phone call from Jaime Gama, then Minister for Foreign Affairs, asking me to go to Lisbon.

The immediate motive for the meeting we had some days later, at his office in the “Palácio das Necesidades”, was the French proposal for Portugal to take part, as a founding member, in the EUREKA Initiative, which was then in its’ initial stages of preparation.

The (positive) reply of the Portuguese Government was part of the beginning of what was to become a cycle of international openness of the national science and technology policy and one of the bases for its’ progress.

In that same year Portugal’s adhesion to CERN was negotiated and signed – the first time our country had ever became a member of an international scientific organisation – we joined the EUREKA initiative as founders, contacted the European Space Agency with a view to beginning adhesion negotiations, and approached the Canary Island International Observatory.

Since 1985-1986, Portugal has been part of the EUREKA initiative and CERN.

Today, we know how that moment came to represent the beginning of an extraordinary age of scientific and technological development, based, without hesitations, on the very best that international cooperation could offer us: methodical learning, indisputable quality values and independent external systematic assessment.

From 1986 onwards, by joining the EEC, Portugal begins to benefit from competitive participation in the European Union (then the EEC) R&D Framework Programmes and from the access to its common R&D structures, such as JET or CCI.

But it was only after 1995, with the creation of the Ministry of Science and Technology, that the programme sketched out ten years previously was picked up once again and taken to its logical conclusion: Portugal joined the European Space Agency, the ESO, ESRF, EMBL and EMBO, thus becoming a member of all the international scientific organisations based in Europe, affording priority to scientific and academic cooperation with the rest of the world: China, India, Africa, Latin America and the US, building strategic scientific partnerships and lending substance to a shared scientific development strategy with the Portuguese-speaking countries. Finally, at the end of the year 2000, with the adoption of the Lisbon Strategy by the European Union, Portugal began to affirm itself as a defender of a European development based on a knowledge-based economy and society.

The Eureka Initiative has accomplished many of its promises and contributed decisively to scientific, technological and economic development in Portugal. Throughout this quarter of a century, universities and enterprises have built joint work networks within and outside the country. Opportunities have sprung up outside of Europe, in China or in Latin America. Successively renewed, it has been a useful and effective platform.

*I would like to extend my congratulations to all those, that over the last 25 years, have given it body and soul.
I join all of you, in solidarity as always!*

José Mariano Gago - JUNE 2011

PREFÁCIO

Em 1985, trabalhava eu como físico no CERN, em Genebra, recebi um telefonema de Jaime Gama, então ministro dos Negócios Estrangeiros, que me pedia para ir a Lisboa.

O motivo imediato para o encontro que tivemos, dias depois, no seu gabinete no Palácio das Necessidades, era a proposta francesa para que Portugal participasse, como fundador, na iniciativa EUREKA, então nas suas primeiras fases de preparação.

A carta (positiva) de resposta do Governo português faz parte do início do que viria a ser o ciclo de abertura internacional da política científica e tecnológica nacional e uma das bases do seu progresso.

Nesse mesmo ano era negociada e assinada a adesão de Portugal ao CERN – primeira adesão do nosso País a uma organização científica internacional - aderíamos como fundadores à iniciativa EUREKA, contactávamos a Agência Espacial Europeia com vista à abertura de negociações de adesão, e abordávamos o Observatório Internacional das Canárias.

A partir de 1985-86 Portugal entrou assim na iniciativa EUREKA e no CERN.

Hoje sabemos como esse momento veio a representar o início de uma época extraordinária de desenvolvimento científico e tecnológico baseado, sem hesitações, no que de melhor a cooperação internacional nos podia dar: aprendizagem metódica, valores de qualidade indiscutíveis, avaliação sistemática externa e independente.

A partir de 1986, por força da nossa adesão à CEE, Portugal passa a beneficiar da participação competitiva nos Programas-Quadro de I&D da União Europeia (então CEE) e do acesso às suas estruturas comuns de I&D, como o JET ou o CCI.

Mas só a partir de 1995, com a criação do Ministério da Ciência e da Tecnologia, se retoma e completa integralmente o programa esboçado dez anos antes: Portugal adere à Agência Espacial Europeia, ao ESO, ao ESRF, ao EMBL e ao EMBO, passa a integrar todas as organizações científicas internacionais de base europeia, a dar prioridade à cooperação científica e académica com o resto do mundo: China, Índia, África, América Latina, e Estados Unidos da América, a construir parcerias científicas estratégicas e a dar corpo a uma estratégia partilhada de desenvolvimento científico na CPLP. Enfim, a partir de 2000, com a adopção, pela União Europeia, da Estratégia de Lisboa, Portugal passa também a afirmar-se como País defensor de uma evolução europeia baseada numa economia e numa sociedade do conhecimento.

A Iniciativa Eureka cumpriu muitas das suas promessas e contribuiu decisivamente para o desenvolvimento científico, tecnológico e económico português. Durante este quarto de século, Universidades e empresas construíram redes de trabalho conjunto, dentro e fora do País. Abriram-se oportunidades fora do espaço europeu, na China, ou na América Latina. Sucessivamente renovada constitui uma plataforma útil e eficaz.

Estão de parabéns os que, ao longo dos últimos 25 anos, lhe deram corpo e alma.

A todos me associo, com a solidariedade de sempre!

José Mariano Gago

JUNHO DE 2011

INTRODUÇÃO | *Introduction*

INTRODUÇÃO

A participação de Portugal na Iniciativa Eureka, está claramente definida na declaração de princípios transmitida pelo Ministro da Ciência, Tecnologia e Ensino Superior de Portugal aos delegados dos Estados-Membros reunidos na Conferência Ministerial havida em Ljubliana em Junho de 2008:

"(...)

Portugal was a founding member of the intergovernmental initiative EUREKA. We are proud of having chaired EUREKA in 1998 – 1999 and of having launched one of the very first industrial R&D European initiatives in China, under the name of EUREKA - ASIA.

(...)

EUREKA was created with the ambition to promoting European's industry competitiveness, especially of SMEs, by fostering trans-national cooperation in near market R&D, using a flexible and dynamic model.

Those were the Hannover objectives: "To raise, through closer cooperation among enterprises and research institutes in the field of advanced technologies, the productivity and competitiveness of Europe's industries and national economies on the world market... To enable Europe to master and exploit the technologies that are important for its future, and to build up its capability in crucial areas."

However, twenty one years later, the 2006 Aho Report to the EU still recommends that "a Pact for Research and Innovation is needed to drive the agenda for an Innovative Europe."

During the Portuguese presidency of the EU, in December 2007, EU Council Conclusions on the Future of S&T in Europe were approved and endorsed by the European Summit. In their Conclusions Ministers agreed that faster progress is more than ever necessary in order to respond to:

– the increased international competition, including for qualified human resources for R&D, and new opportunities brought by the globalisation of economic and knowledge flows;

INTRODUÇÃO | INTRODUCTION

– the increasing complexity and scale of the economic, social and environmental challenges affecting society;

– the need of business to operate in an environment of ‘open innovation’ where connections with each other and with public research institutions are at the core of value creation;

– the growing importance of the freedom of knowledge and of knowledge circulation, notably knowledge-sharing between public research and industry as well as public at large.

How can EUREKA contribute to these major objectives ?

We firmly believe that there is an urgent need for renewing its political vision and to bringing in a new dynamism to EUREKA.

(...)

EUREKA was a courageous and innovative political initiative launched to stimulate innovation through research at international level, to accelerate globalization and to help Europe to grasp its benefits. It was not designed as another bureaucratic instrument, where top-down priorities are set apriori to be hopefully followed by the real players, industry and researchers. Instead, a bottom-up approach was firmly established by EUREKA in conjunction with a spirit of flexibility and national responsibility.

The number of Eureka projects rose from the very first 10 in 1985 to 99 new projects and 2 Umbrellas in 1986, and to the current 800 to 900 reported running projects.

A large network of EUREKA countries was established beyond traditional political boundaries. This is a clear success upon which a global strategy of stimulating R&D collaboration among firms at world level must now be agreed upon by EUREKA governments. We believe that such a debate cannot be postponed. A clear political answer to those countries approaching us must be developed urgently, based upon a clear vision of long term mutual benefits and on the responsibility by the firms themselves for their own contractual arrangements.

Yes, EUREKA was a success story. But how shall we renew the Initiative in order to remain so ?

Difficult questions cannot be avoided anymore. EUREKA is a political

Initiative and its future depends upon political, not administrative decisions. This is not a platform for bureaucratic planners or red tape developers. The future of EUREKA is first of all a challenge for EUREKA governments.

Is the EUREKA label a competitive advantage for innovative firms and for new innovative products? How attractive is it to the most competitive companies and R&D institutions? How can the EUREKA label be reinvented to become a world wide symbol of innovation?

EUREKA is at a cross roads. This is a time for careful assessment and for firm and prompt political decisions.

(...)

Our proposal is to focus on four main directions:

1. Promoting a policy of increased international cooperation by looking proactively for partnerships with the world at large.

The external dimension of EUREKA should, in our view, be further developed and supported. Approaching new partners from regions such as the Southern Mediterranean and the Gulf, Asia and America is both a necessity and an opportunity we cannot ignore. New networks for R&D and advanced training are emerging between European and non-European companies, research institutions and Universities. Those are flexible contractual arrangements sharing with EUREKA the spirit of autonomy and initiative of their participant stakeholders and the diversity of support schemes from national authorities and other funding sources. EUREKA might become one of the best political tools that Europe can contribute to the development of those novel R&D networks that are shaping our future.

2. Seeking increased cooperation with other intra-European mechanisms for R&D support. Relations with programmes and projects of the European Commission such as COST, the JTIs and the ERA – NETs should also be pursued in order to explore synergies and new opportunities.

EUREKA spans a distinct and larger set of countries than the EU. Its role as a truly independent platform must be preserved by all means. However, synergies between EUREKA and EU policies and programmes should be regarded as fundamental both for EUREKA and for the EU. Combining member states' national policies with EUREKA as well as with increasingly diverse, open and global EU Framework Programmes for R&D is a challenge we all know well. The EUROSTARS Programme will certainly add a new dimension to this challenge that we hope will be beneficial to all.

3. Adding value to the EUREKA label, reinforcing a communication strategy that increases recognition of EUREKA as associated to successful projects that have reached the market with innovative products and services. The Portuguese chair will suggest the organisation of an exhibition of project results in conjunction with a high level event for the delivery of EUREKA Awards.

4. Strengthening mechanisms for the generation of projects, improving relations within the Network and its clusters in order to achieve even better results, and promoting, as far as possible, voluntary synchronization of evaluation and funding.

It is our understanding that one of the main aims of the EUREKA Initiative is the generation of new and excellent projects. New collaborative projects leading to the creation of innovative products and services should be a constant priority.

(...)

Administrative meetings should be reduced to a minimum. We will ask the Secretariat to streamline its activities on behalf of the main objectives of EUREKA. We ask for greater coordination and optimisation, and for a clear departure from the administrative and bureaucratic natural tendency to contribute to the second law of thermodynamics by promoting continuously a greater multiplicity of meetings and structures, decreasing the clarity and focus of the organisation and reaching safely higher levels of entropy. With the help of the Secretariat and with your political support we will try to contribute to the efficiency and simplicity of EUREKA.

The Portuguese EUREKA team is committed to working closely with all EUREKA partners in order to promote a renewed and stronger EUREKA.

We will all be working together. I am looking forward for your ideas, proposals and projects.

We will be chairing EUREKA on your behalf. Thank you very much in advance for all your support!

Speech by the Minister of Science, Technology and Higher Education of Portugal (excerts),
José Mariano Gago

at the XXIII Session of the EUREKA Ministerial Conference Ljubljana, 6 June 2008

ENQUADRAMENTO E RAZÕES DA CONSTITUIÇÃO DA INICIATIVA EUREKA

History and reasons for establishing the EUREKA Initiative

O LANÇAMENTO DA INICIATIVA EUREKA o18

The EUREKA Initiative was launched by a Conference of Ministers from 17 European countries in conjunction with the European Union in Paris on 17 July 1985.

The Hannover Declaration, which is the founding document of the Initiative, was the result of the meeting held on 5th–6th November 1985, at which ministers from 18 countries – including Portugal – and the European Union representative were present.

“The objective of EUREKA is to raise, through closer cooperation among enterprises and research institutes in the field of advanced technologies, the productivity and competitiveness of Europe’s industries and national economies on the world market. And hence strengthen the basis for lasting prosperity and employment: EUREKA will enable Europe to master and exploit the technologies that are important for its future, and to build up its capability in crucial areas.” - Hannover Declaration / 1985 (excerpt)



A Iniciativa de Defesa Estratégica (SDI – Strategic Defense Initiative) foi proposta pelo Presidente dos EUA Ronald Reagan em 23 de Março de 1983, com a finalidade de utilizar sistemas terrestres e espaciais, de modo a proteger os EUA de um eventual ataque por mísseis balísticos nucleares.

A originalidade da proposta consistia numa radical mudança do paradigma estratégico de defesa dos EUA, até então vigente, consubstanciado na chamada Doutrina de Destrução Mútua (MAD – Mutual Assured Destruction), substituindo-o por uma estratégia totalmente defensiva, cujos fundamentos científicos e tecnológicos seriam partilhados pelos países que a subscrevessem.

Nesse sentido, o Departamento de Defesa dos EUA (DoD) envidou esforços para interessar outros países, entre os quais Portugal, em desenvolverem os aspectos científicos e tecnológicos necessários à concretização de um escudo anti-míssil de protecção do território dos EUA.

Daí resultaram demonstrações de interesse de equipas de investigação nacionais em participar em diversos domínios, nomeadamente, inteligência artificial, lasers, telemetria, microelectrónica, processamento de sinal, antenas, entre outros.

No final de 1983, o presidente francês, François Mitterrand, propôe a constituição de uma iniciativa de desenvolvimento científico e tecnológico do espaço comum europeu com o objectivo de incrementar a cooperação entre empresas e institutos de I&D de modo a aumentar e diversificar a produtividade e competitividade das indústrias europeias e das economias nacionais, através de projectos de inovação – de processo, produtos e serviços para o mercado mundial - entre aqueles agentes, de modo a garantir novos mercados e a empregabilidade de recursos altamente qualificados.

O que distingue, desde o início, as duas iniciativas, é a primeira privilegiar a área da defesa estratégica e a segunda privilegiar a

competitividade a longo prazo das economias europeias, através de uma sólida base de avanços científicos e tecnológicos, endogeneizáveis pelo tecido empresarial.

Em 1985 os governos Europeus, alarmados com a constatação de que a maioria das empresas da Europa Ocidental era do tipo tradicional e estavam sujeitas a pressões concorrenenciais cada vez mais fortes por parte de países industrializados – EUA e Japão – bem como de novos países emergentes – República da Coreia do Sul, Taiwan e a emergente Singapura – acolheram com entusiasmo a Iniciativa que contribuiria para materializar e robustecer o Mercado Único Europeu.

Todavia, é de sublinhar que desde a sua constituição a Iniciativa EUREKA é um programa inter-governamental e não um programa da União Europeia, sendo esta um participante, entre outros Estados-Membros.

| MEMBRO | ANO DE ADESÃO |
|--------|---------------------|
| | União Europeia 1985 |
| | Alemanha 1985 |
| | Áustria 1985 |
| | Bélgica 1985 |
| | Dinamarca 1985 |
| | Espanha 1985 |
| | Finlândia 1985 |
| | França 1985 |
| | Grécia 1985 |
| | Holanda 1985 |
| | Irlanda 1985 |

O LANÇAMENTO DA INICIATIVA EUREKA

A Iniciativa EUREKA foi lançada por uma Conferência de Ministros de 17 países Europeus e pela União Europeia, em Paris, no dia 17 de Julho de 1985.

A Declaração de Hannover, que constitui o documento fundador da Iniciativa, foi o resultado da reunião que teve lugar em 5 e 6 de Novembro de 1985 e que envolveu Ministros de 18 países – entre os quais Portugal - e o representante da União Europeia.

| MEMBRO | ANO DE ADESÃO |
|--------|----------------------|
| | Itália 1985 |
| | Luxemburgo 1985 |
| | Noruega 1985 |
| | Portugal 1985 |
| | Reino Unido 1985 |
| | Suécia 1985 |
| | Suíça 1985 |
| | Turquia 1985 |
| | Islândia 1986 |
| | Hungria 1992 |
| | Federação Russa 1993 |

| MEMBRO | ANO DE ADESÃO | MEMBRO | ANO DE ADESÃO |
|---|-----------------|--|--------------------|
|  | Eslovénia |  | República Eslovaca |
|  | Polónia |  | Chipre |
|  | República Checa |  | Sérvia |
|  | Roménia |  | Mónaco |
|  | Lituânia |  | San Marino |
|  | Croácia |  | Malta |
|  | Israel |  | Ukraine |
|  | Letónia |  | FYROM |
|  | Estónia |  | Bulgária |

NIPs – PONTOS DE INFORMAÇÃO NACIONAIS

(NATIONAL INFORMATION POINTS)



Albania - 1992



Bósnia – Herzegovina -2009

País Associado ¹

Coreia do Sul - 2009

¹ - O estatuto de País Associado (Associated Country Status) deriva do interesse estratégico da Iniciativa EUREKA em robustecer a cooperação com países fora do Espaço Europeu, cujo desenvolvimento científico e tecnológico, obediência às regras internacionais de proteção da propriedade intelectual e industrial, bem como a importância dos mercados em que estão presentes. Este conjunto de características justificam a atribuição desse estatuto. Assim, a participação, em projectos EUREKA, de empresas e instituições de IDT de Estados não membros é possível e deseável segundo as regras aprovadas em sucessivas Conferências Ministeriais.

O estatuto de Estado Associado foi atribuído à Coreia do Sul durante a presidência portuguesa de 2008-2009.

A INICIATIVA EUREKA

*The EUREKA Initiative – organisational structure,
type of projects, facts & numbers*

ESTRUTURA E MODO DE FUNCIONAMENTO

023

TIPOLOGIA DOS PROJECTOS EUREKA

024

FACTOS E NÚMEROS

025

The way the EUREKA Initiative is managed is set out in the Hannover Declaration, which established the goals, defined the criteria for EUREKA projects to follow, set up the organisational structures, and established the rules governing the relationship with the European Commission and other European organisms, namely the European Parliament (currently through the Interparliamentary Conference and STOA - Science and Technology Options Assessment - The European Parliament's Technology Assessment Unit).

THE EUREKA INITIATIVE FACTS AND NUMBERS

The EUREKA Initiative has already developed over 3,650 innovation projects, which is equivalent to a total investment of 27.9 billion euros (See Fig. 1) involving 40 members (39 States and the European Commission) and the Republic of South Korea as an Associate State.

Around 700 projects are currently underway which is equivalent to an investment in the region of 1.7 billion euros.

It is of interest to note that the Portuguese Chairmanships have been periods of strategic reconfiguration and revitalisation of the Eureka Initiative.

Its first Chairmanship reversed the downward trend in the number of EUREKA projects, which had previously peaked in 1993 during the French Chairmanship.

Portugal's second Chairmanship brought about another revitalisation of the Initiative. It contributed not only to the considerable increase in the number of projects in which Portuguese participation was involved, but also to the number of initiatives launched to foster the emergence of new projects.

The Portuguese Chairmanships determined a strategy policy for enlarging the cooperation space of the EUREKA Initiative, opening it up to other continents through trans-European initiatives which afforded it ample visibility and access to these markets.

ESTRUTURA E MODO DE FUNCIONAMENTO

A governabilidade da Iniciativa EUREKA é determinada pela Declaração de Hannover, que estabeleceu objectivos, definiu os critérios a que deverão obedecer os projectos EUREKA, criou a estrutura organizacional e estabeleceu as regras de relacionamento com a Comissão Europeia e outros organismos europeus, nomeadamente com o Parlamento Europeu (actualmente, através da Conferência Interparlamentar e do STOA, Gabinete de Ciência e Tecnologia).

A Iniciativa EUREKA é composta por vários grupos de trabalho com diferentes responsabilidades executivas e organizacionais cujas reuniões são organizadas pela Presidência:

GRUPO DE NPCs (National Project Coordinators)

O Grupo de NPCs tem a responsabilidade sobre a gestão dos gabinetes nacionais EUREKA, a detecção e apoio à apresentação de projectos.

GRUPO DE HLRs (High Level Representatives)

O Grupo de Representantes de Alto Nível é responsável pela fixação e desenvolvimento de política estratégica, monitorização e condução do funcionamento da Iniciativa, decisão sobre a aprovação de novos projectos

e supervisão do grupo de NPCs e do Secretariado EUREKA.

Os organismos decisores do EUREKA são o Grupo de HLRs e a Conferência Ministerial.

GRUPO EXECUTIVO

É o orgão consultivo da Presidência. É constituído por HLRs de 7 Estados-Membros: 3 em representação da "troika" (presidência em vigor, presidência passada e presidência futura) e mais 4 representantes de Estados-Membros, escolhidos pela presidência, reflectindo empenhamento na geração de projectos com sucesso, diversidade regional e geográfica.

CONFERÊNCIA INTERPARLAMENTAR:

Reúne parlamentares dos países membros que são convidados pelo Parlamento Nacional para análise de temas estratégicos de relevância para a Iniciativa EUREKA e competitividade da Europa.

CONFERÊNCIA MINISTERIAL:

É o orgão máximo da Iniciativa EUREKA, reunindo Ministros dos 39 Estados-Membros e o Comissário Europeu de Investigação. Durante a Conferência Ministerial são anunciados os projectos EUREKA aprovados durante o período correspondente.

TIPOLOGIA DOS PROJECTOS EUREKA

A INICIATIVA EUREKA APOIA 3 TIPOS DE PROJECTOS:

PROJECTOS EUREKA

www.eurekanetwork.org

Projectos de que envolvem participantes de pelo menos dois Estados-Membros, com o objectivo de desenvolver um produto, processo ou serviço inovador (com sucesso no mercado internacional).

Alguns destes projectos estão agrupados em redes temáticas denominadas por 'Umbrellas'.

UMBRELLAS' ACTUALMENTE EM CURSO:

EUREKA TOURISM (2006-2012)
www.eurekatourism.eu

EUROAGRI FOOD CHAIN (2009-2013)
www.euroagrifoodchain.eu/

LOGCHAIN+ (2006-2011)
logchain.eureka.be/home.do

EULASNET II (2006-2010)
www.eulasnet.org

EUREKABUILD2 (2010-2013)
www.ectp.org/eurekabuild2.asp

E! SURF (2010-2015)
www.eurekanetwork.org/eniwep/about

PRO-FACTORY (2007-2011)
www.profactory.eu



E!3747 IPM RICE



E!4564 BUDDY

PROJECTOS EUREKA – EUROSTARS

www.eurostars-eureka.eu

Com estrutura semelhante aos projectos EUREKA, distinguem-se pelo facto de serem liderados, obrigatoriamente, por uma PME com reconhecida actividade de I&D.

O Programa EUROSTARS, adoptado pela União Europeia em 2008, resulta da colaboração, contratual, entre a Iniciativa EUREKA e a Comissão Europeia (CE) e propõe uma nova forma de apoio às PME's, com actividades de I&D, sincronizando programas de apoio à I&D nacionais. Conta, actualmente, com a adesão de 32 dos 40 Estados membros da Iniciativa EUREKA.

CLUSTERS

Projectos estratégicos, de longo prazo, para o desenvolvimento de novas tecnologias, envolvendo um grande número de participantes, entre eles, algumas das maiores empresas europeias.

FACTOS E NÚMEROS

A Iniciativa EUREKA já desenvolveu mais de 3.650 projectos de inovação, a que corresponde um investimento total de 27.9 biliões de Euros (vide FIG.1), envolvendo 40 membros (39 Estados e a Comissão Europeia) e a República da Coreia do Sul como Estado-Associado.

Actualmente, tem em execução cerca de 700 projectos a que corresponde um investimento da ordem de 1.7 b Euros.

CLUSTERS ACTUALMENTE EM CURSO:

CATRENE (2008-2012)
<http://www.catrene.org>

EURIPIDES (2006-2013)
<http://www.euripides-eureka.eu>

ITEA 2 (2006-2014)
<http://www.itea2.org>

CELTIC (2003-2011)
<http://www.celtic-initiative.org>

EUROGIA+ (2008-2013)
<http://www.eurogia.com>

MF.IND (2008-2013)
<http://www.manufuture-industry.org>

ACQUEAU (2010-2015)
<http://www.acqueau.eu>

É interessante assinalar que as Presidências Portuguesas têm sido momentos de reconfiguração estratégica e dinamização da Iniciativa Eureka.

A nossa primeira Presidência inverte uma tendência de declínio do número de projectos EUREKA, que tinha o seu ponto alto em 1993 durante a Presidência francesa.

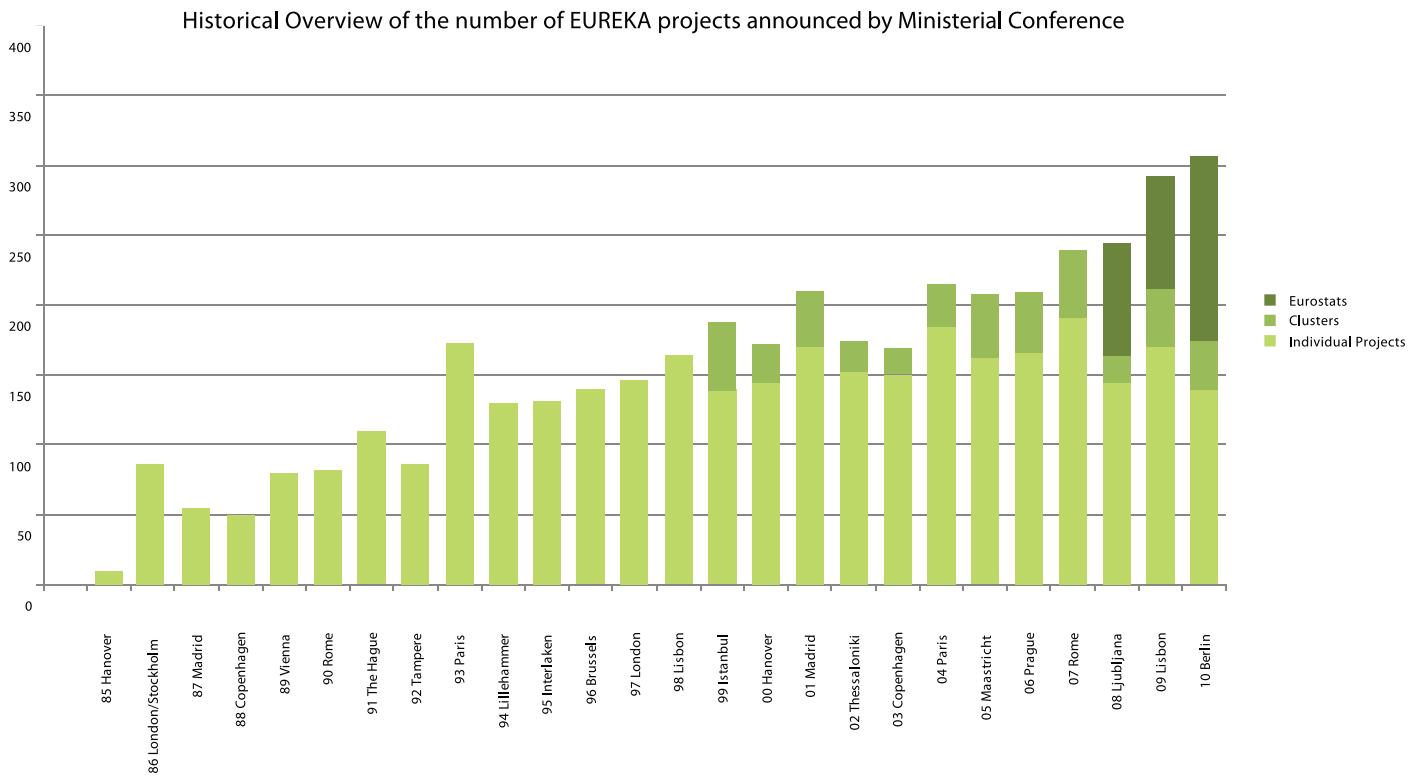


FIG. 1: Projetos EUREKA anunciados por Conferência Ministerial

Também a 2^a Presidência de Portugal assinala a redinamização da Iniciativa. Para tal terá contribuído não só o aumento significativo de projectos com participação portuguesa, bem como iniciativas lançadas para fomentar o aparecimento de novos projectos.

As Presidências portuguesas determinaram uma política estratégica de alargamento do espaço de colaboração da Iniciativa EUREKA, abrindo-o a outros continentes através de iniciativas trans-europeias que lhe conferiram ampla visibilidade e acesso a esses mercados.

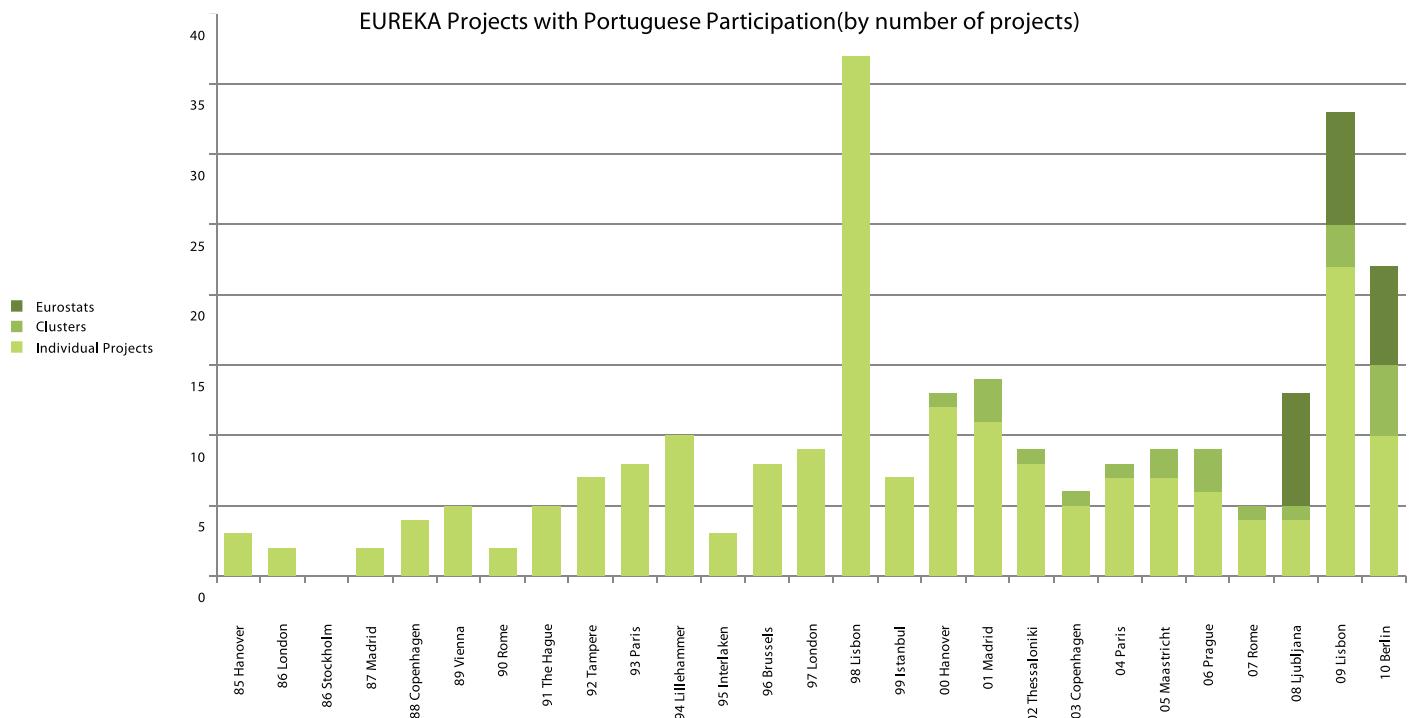


FIG. 2: Participação portuguesa em projectos EUREKA (excluindo projectos retirados)

Os projectos com participação portuguesa distribuem-se por um largo espectro tecnológico:

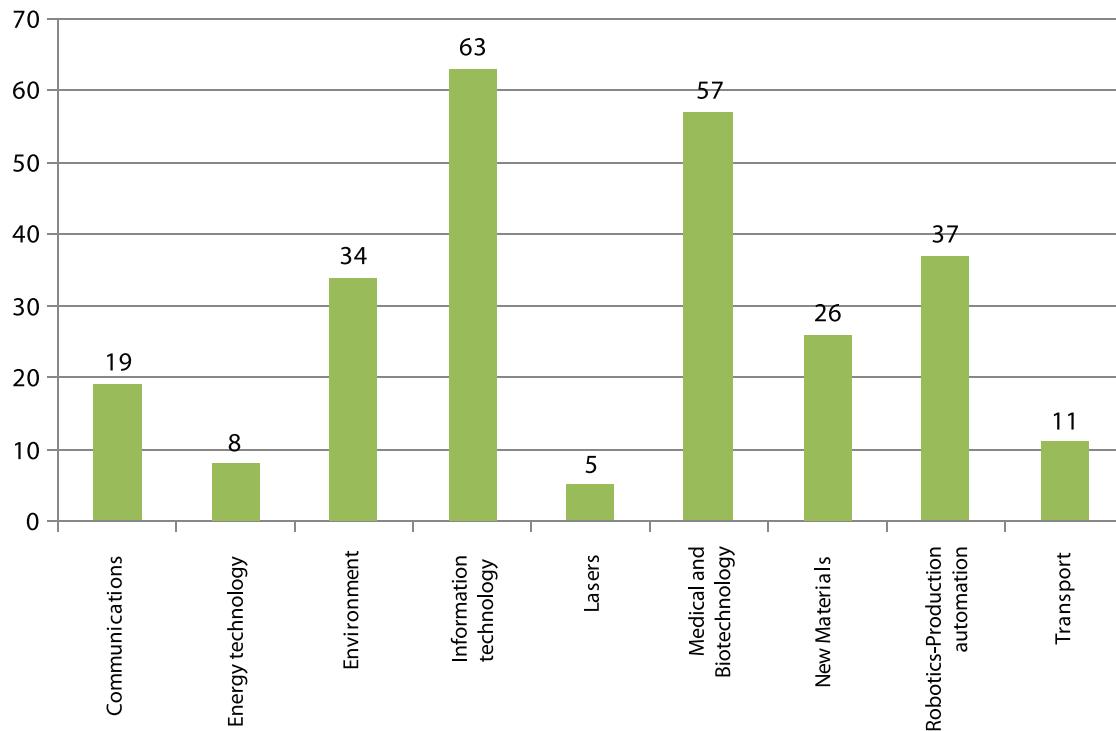


FIG. 3: DISTRIBUIÇÃO DE PROJECTOS EUREKA COM PARTICIPAÇÃO PORTUGUESA POR ÁREAS TECNOLÓGICAS

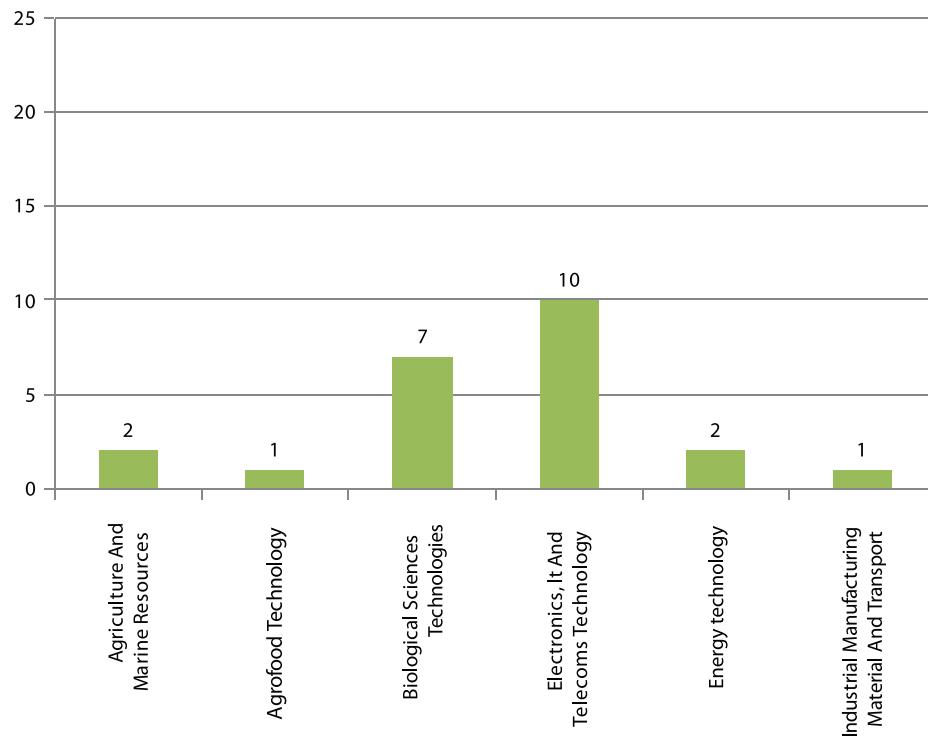


FIG. 4: DISTRIBUIÇÃO DE PROJECTOS EUROSTARS COM PARTICIPAÇÃO PORTUGUESA POR ÁREAS TECNOLÓGICAS

A PARTICIPAÇÃO DE PORTUGAL NA INICIATIVA EUREKA (1985 – 2010)

Portuguese participation in the EUREKA Initiative (1985-2010)

| | |
|--|------------|
| A estrutura nacional de acolhimento e desenvolvimento da Iniciativa EUREKA | 035 |
| As Presidências Portuguesas da Iniciativa EUREKA | 037 |
| Primeira Presidência Portuguesa (1997- 98) | 038 |
| EUREKA [meets] Asia | 040 |
| Segunda Presidência Portuguesa (2008-09) | 045 |
| Exposição de Resultados EUREKA nas 4 ^{as} Jornadas de Inovação da Adl | 048 |

Portugal was a founding member of the EUREKA Initiative and has been determined in its adhesion and in its level of participation, which is justified by the number of projects that have been successfully submitted and active participation in the running of the governing bodies and in two successful terms as president (1997-1998 and 2008-2009).

THE PORTUGUESE CHAIRMANSHIPS OF THE EUREKA INITIATIVE

The first Portuguese Chairmanship of the EUREKA Initiative ran from June 1997 to June 1998 and brought about a rise in the number of activities, quadrupled the national project portfolio and increased the total portfolio of projects generated by the EUREKA network by 13%.

186 new EUREKA projects were approved and, in terms of the number of projects, it was the best Chairmanship since the Initiative was founded in 1985.

National R&D companies and bodies took part in 47 of the new projects approved and joined another three already approved projects, thus making a total of 50, with 113 Portuguese entities working in cooperation with partners from 22 countries.

In order to help revitalise the EUREKA project portfolio, three Brokerage Events were set up in the areas of: “*Fruit and vegetable processing technologies*” (Oporto, November 1998), and “*Moulds and Dies*” (Marinha Grande, March 1999) – which began to be held every two years – and another, more general in nature, which was held in Macao in March 1999 and which sought to foster new projects in cooperation with Asia.

EUREKA [meets] ASIA

This event was held in Macao – the Chinese territory then under Portuguese administration – from 31 March to 4 April 1998. The organisation of the event was part of the programme for the Portuguese Chairmanship of the EUREKA Initiative and was promoted by “*Agência de Inovação*” (Innovation Agency), in cooperation with CPTTM (Macau Centre for Productivity and Technology Transfer), the government of Macao and ICEP (Trade and Tourism Investments of Portugal).

The purpose of the “*EUREKA-meets-Asia*” event was to provide visibility, in this region, for certain European technological developments in the various sectors of the economy, as well as of fostering the joint participation of Asian and European companies and institutes in technological innovation projects under the EUREKA umbrella.

This weeklong event included a demonstration of European technology, a Brokerage Event and an International Conference “*Eureka-Asia: A New Challenge for Technological and Economic Cooperation*”.

The European technology exhibition brought companies from 9 European countries together for 5 days in 75 stands in the Landmark Congress and Exhibitions Centre in Macao.

The technological display was primarily a space for cultures to meet with the objective of fostering bilateral meetings in the Brokerage Event, which was held on 1st- 2nd April between participants from European and Asian bodies and companies.

The second Portuguese Chairmanship of the EUREKA Initiative ran from 2008 to June 2009. Just as during the first Chairmanship, the meetings were held in different regions of Portugal (Oporto, Sines, Azores, Évora, and Lisbon) so as to give participants a diversified view of what the country



Arrival at EXPO'98 for the Conference of Ministers and a visit to the Eureka Exhibition in the Pavilhão do Futuro



Articles in Chinese newspapers about the event EUREKA [meets] ASIA 98

has to offer in economic and technological terms.

Portugal closed its second term of Chairmanship of the EUREKA Initiative during the Conference of Ministers of 19 June 2009 in Lisbon, which saw the adhesion of the Republic of South Korea as an Associate State and the Republic of Bosnia-Herzegovina as a National Information Point.

33 new technology-based innovation projects with the participation of 35 national companies (mostly SMEs) and 26 research institutes were accepted, which is equivalent to an investment of 38.4 million euros.

Eleven of the 33 new projects are led by national companies.

278 new EUREKA projects were approved (including EUROSSTARS), which was an increase of 11.2% on the previous year.

OTHER INITIATIVES OF THE PORTUGUESE CHAIRMANSHIP AGENDA

- 6th Moulds and Dies “Brokerage Event” (organised by CENTIMFE as part of Moulds Week) – Marinha Grande, October 2008;
- Launch of the new umbrella’ EUROAGRI FoodChain - Cantanhede, from 17th/20th March 2009.
- Innovation Days 2009 – An exhibition of EUREKA projects – with 57 of its best innovation projects which have been a success on the market – opened the biggest R&D results exhibition ever held in this country – with around 500 project results involving 1000 participants from research companies and bodies. For three days, 1200 exhibitors interacted with an essentially professional public.

It should be noted that Portugal had established as one of the objectives for its second term in the Chairmanship of the EUREKA Initiative the upgrading of the EUREKA label as a symbol of European innovation.

The Portuguese Chairmanship introduced a prize

for the best EUREKA projects that were already achieving results in the market. The first winner was the E-RAILMAP – Electronic Railmap of Europe project, led by the Czech Republic enterprise JERID.



EUREKA Innovation Days Award ceremony for the E-RAILMAP – Electronic Railmap of Europe project, led by the Czech Republic enterprise, JERID.

Portugal foi membro fundador da Iniciativa EUREKA, tendo tido uma adesão e participação determinada, que encontra justificação no número de projectos submetidos com sucesso, na participação activa na governabilidade dos orgãos de gestão e em duas presidências de sucesso (1997-1998 e 2008-2009).

Desde o início da nossa participação, a Iniciativa EUREKA foi considerada um programa aberto a todas as iniciativas empresariais, de inovação de base tecnológica, incluindo aquelas da responsabilidade de empresas de pequena e média dimensão, desde que satisfaçam os objectivos do Programa.

A ESTRUTURA NACIONAL DE ACOLHIMENTO E DESENVOLVIMENTO DA INICIATIVA EUREKA

Em Outubro de 1985, foi criado um Grupo de Trabalho, coordenado por um representante do Ministério da Indústria e Energia e composto por representantes da JNICT (Junta Nacional de Investigação Científica e Tecnológica), Ministério dos Negócios Estrangeiros, Associação Industrial Portuguesa e Banco de Fomento Nacional. O objectivo era coordenar as componentes de política externa, científica e tecnológica, financeira e empresarial da participação Portuguesa no Programa EUREKA (D.R. II Série, nº 35, de 12 de Fevereiro).

Em Janeiro de 1986, um Despacho Conjunto veio alargar a composição deste Grupo de Trabalho EUREKA, o qual passou a integrar representantes do Conselho de Reitores

e das Associações Industrial Portuguesa e Portuense. A coordenação operacional da participação portuguesa na Iniciativa foi atribuída à JNICT (D.R. II Série, nº 35, de 12 de Fevereiro).

Em Abril de 1991, a estrutura Portuguesa foi alterada por novo Despacho Conjunto. Nesta data foi constituída uma Comissão Nacional, integrando representantes dos Ministérios do Planeamento e Administração do Território, da Indústria e Energia e dos Negócios Estrangeiros. A presidência desta Comissão foi atribuída ao Ministério do Planeamento e Administração do Território, cabendo a vice-presidência ao Ministério da Indústria (D.R. II Série, nº 76, de 2 de Abril). Os membros desta Comissão asseguravam a

representação Portuguesa ao nível do Grupo de Representantes de Alto Nível.

No exercício das suas competências esta Comissão era assessorada por um Secretariado Técnico, constituído por um elemento designado pela JNICT e outro pelo INETI. Estes elementos asseguravam a representação Portuguesa ao nível do Grupo de Coordenadores Nacionais de Projectos. Havia orçamentos dedicados para o financiamento de projectos Eureka por parte da JNICT, para financiar a participação das entidades científicas e por parte do INETI para apoiar a participação das empresas nacionais.

Em Fevereiro de 1997, já no âmbito da preparação da Presidência Portuguesa, agendada para o período compreendido entre Julho 1997 e Junho de 1998, foi publicado novo Despacho Conjunto, ainda em vigor, no qual é cometida ao Ministro da Ciência e da Tecnologia a coordenação da participação nacional, em estreita articulação com os Ministros dos Negócios Estrangeiros e da Economia (D. R. II Série, nº 60, de 12 de Março).

O referido Despacho levou à constituição de uma Comissão Técnica Nacional, a que competia a gestão das componentes científica, tecnológica e empresarial do Programa EUREKA em Portugal. Esta Comissão, sediada na Agência de Inovação, SA, é constituída pelo Presidente da Agência de Inovação, e pelo HLR e NPC.

A representação de Portugal nos órgãos de gestão da Iniciativa, é assegurada por um Representante de Alto Nível (HLR – High Level Representative), nomeado pelo Ministro da tutela, a quem compete, nos termos da Convenção de Hannover (e posteriores revisões), a fixação e desenvolvimento da

política estratégica, a monitorização e condução do funcionamento da Iniciativa, a decisão sobre a aprovação de novos projectos e a supervisão do grupo de NPCs e do Secretariado EUREKA.

A Comissão Técnica Nacional é o organismo decisivo nacional e é apoiada por um Coordenador Nacional de Projectos (NPC – National Project Coordinator) cuja nomeação é, também, da responsabilidade do Ministro da tutela e cujo mandato determina a responsabilidade sobre a gestão do gabinete nacional EUREKA, com o objectivo de detectar e apoiar a apresentação de projectos de inovação de alta qualidade, a submeter à análise e decisão do Grupo de Representantes de Alto Nível. Estas funções passaram a ser exercidas por um técnico da Adl articulando-as com os outros mecanismos de dinamização e de financiamento de projectos da Adl. Simultaneamente, deixou de haver fontes de financiamento exclusivamente dedicadas a apoiar os projectos Eureka. Há candidaturas a projectos Eureka que não precisam de apoio público para a execução dos projectos. Todavia, quando necessitam de apoio financeiro público têm de concorrer aos programas de apoio existentes em concorrência com todos os outros tipos de projectos.

Como acontece actualmente com a medida de apoio à I&D em co-promoção, os projectos em cooperação internacional beneficiam de uma pontuação suplementar na avaliação. Esta solução exige uma difícil articulação dos calendários de aprovação da rede Eureka e dos mecanismos de financiamento nacionais, só possível quando ambos são do conhecimento da Adl.

É de sublinhar que o apoio à internacionalização das empresas portuguesas fica muito prejudicado quando existem períodos longos em que não existem concursos para apoio financeiro a projectos de I&D, como acontece nos períodos entre Quadros Comunitários de Apoio (QCA). Nalguns casos, foi possível superar, parcialmente, esse problema com a criação de uma linha específica para apoiar as despesas suplementares com a internacionalização de projectos de I&D já em curso.

REPRESENTAÇÃO DE PORTUGAL NA INICIATIVA EUREKA

REPRESENTANTE DE ALTO NÍVEL

Mário de Abreu

Fernando Bello

Manuel Carrondo

Manuel Nunes da Ponte

Virgínia Corrêa

COORDENADOR NACIONAL DE PROJECTOS

Paula Fonseca

Manuela Loureiro

José Assis

Isaac Duarte

Ângela Reis

Jorge Liz

AS PRESIDÊNCIAS PORTUGUESAS DA INICIATIVA EUREKA





A PRIMEIRA PRESIDÊNCIA PORTUGUESA DA INICIATIVA EUREKA DECORREU ENTRE JUNHO DE 1997 E JUNHO DE 1998

tendo sido presidida por Rogério Martins², sendo os Representantes de Alto Nível Manuel Nunes da Ponte³ e Nuno Lúcio⁴.

Foram organizadas quatro reuniões do Grupo de Coordenadores Nacionais de Projectos (Guimarães, Outubro 97; Funchal, Janeiro 98, Macau, Março 99 e Évora, Junho 99), três reuniões do Grupo de Representantes de Alto Nível (Porto, Outubro 97; Macau, Março 99 e Lisboa, Junho 99), a Conferência Interparlamentar (Lisboa, Maio 98) e a Conferência Ministerial (Lisboa, Junho 98).

A 1^a Presidência Portuguesa traduziu-se por um reforço das actividades concretizado por um aumento, para o quadruplo, da carteira nacional de projectos e um aumento de 13% na carteira total de projectos gerados pela rede EUREKA.

Durante a presidência nacional foram aprovados 186 novos projectos EUREKA, sendo a melhor presidência, em número de projectos, desde a sua fundação em 1985.

As empresas e entidades de I&D nacionais participaram em 47 dos novos projectos aprovados, além de terem aderido a 3 outros projectos já aprovados envolvendo, deste modo, 113 entidades portuguesas em colaboração com parceiros de 22 países.

² **Rogério Martins** - Nasceu em Lisboa a 30 de Setembro de 1928. Engenheiro, reconhecida autoridade em política industrial. Secretário de Estado da Indústria durante a primeira fase dos Governos de Marcello Caetano. Foi eleito deputado à Assembleia da República nas listas do Partido Social Democrata (1983-1985).

³ **Manuel Nunes da Ponte** - Nasceu em Goa a 24 de Dezembro de 1949. Professor de Engenharia Química da Universidade Nova de Lisboa. Foi galardoado com o prémio Gulbenkian de Ciência e Tecnologia em 1992 e o Prémio Ferreira da Silva da Sociedade Portuguesa de Química em 1995.

⁴ **Nuno Lúcio** - Licenciado em Direito pela Faculdade de Direito de Lisboa. Exerceu estas funções em representação do Ministério dos Negócios Estrangeiros.

Para ajudar à dinamização da carteira de projectos EUREKA, foram organizadas três Bolsas de Contacto nas áreas das: “Tecnologias de Processamento de Frutos e Vegetais” (Porto, Novembro de 1998), “Moldes e Ferramentas Especiais” (Marinha Grande, Março de 1999) – que se passou a realizar de dois em dois anos - e outra, de carácter geral, que teve lugar em Macau em Março de 1999 visando dinamizar novos projectos em cooperação com a Ásia.



Chegada à EXPO98, por ocasião da Conferência Ministerial, para visita à Exposição Eureka que teve lugar no Pavilhão do Futuro

O aumento do envolvimento empresarial constitui um dos traços a sublinhar da participação Portuguesa, característica fundamental dum programa de investigação aplicada. Praticamente todos os projectos aprovados têm a participação de empresas Portuguesas (94%)

PROJECTOS EUREKA COM PARTICIPAÇÃO PORTUGUESA

| % DE PROJECTOS COM PARTICIPAÇÃO DE EMPRESAS | |
|--|-----------------------|
| De 1985 a 1997 | No ano da Presidência |
| 76% | 94% |

Portugal teve uma participação empenhada, se considerarmos a liderança como um sinal de empenhamento. Com efeito, a percentagem de projectos em que Portugal participou, liderados por entidades nacionais, passou de 24% para 58%.

Embora, em geral, sejam utilizadas tecnologias avançadas (electrónica, robótica, lasers, etc.) a maioria dos projectos aprovados visa o desenvolvimento de aplicações em sectores tradicionais da economia portuguesa, da agricultura ao turismo passando pelas aplicações da I&D na valorização dos recursos dos Oceanos, que constituía uma das prioridades da Presidência Portuguesa. Também se verifica um número significativo de projectos em sectores mais intensivos tecnologicamente, como a Aeronáutica, a Instrumentação, as Telecomunicações e a Saúde.

É de assinalar que a participação das empresas portuguesas na Iniciativa Eureka é, maioritariamente, feita com a colaboração de universidades e instituições de I&D. Só em dez projectos as empresas nacionais não participam em colaboração com outras entidades nacionais. As Universidades estão envolvidas em 50% do número de projectos. Se considerarmos só os projectos em parceria com as empresas, as Universidades integram 61% do número de projectos em parceria. Os institutos de investigação são o segundo tipo de entidades mais frequentes nos consórcios com as empresas nacionais (38%).

É evidente a contribuição das Universidades e dos Institutos de interface para a internacionalização das empresas portuguesas.

A colaboração com outros Estados-Membros é, também, muito diversificada, sendo que os projectos em que estivemos envolvi-

dos tinham a colaboração de 17 dos 25 países que então integravam o EUREKA, apesar de se verificar um maior número de parcerias com a Espanha e a Alemanha e com a Eslovénia, a República Checa e a Roménia, com as quais não existia colaboração prévia.

Registámos, também, a primeira participação do CERN num projecto EUREKA em colaboração com uma instituição portuguesa, ISQ – Instituto de Soldadura e Qualidade.

PARCEIROS DOS PROJECTOS EM QUE PORTUGAL PARTICIPOU DURANTE A PRIMEIRA PRESIDÊNCIA PORTUGUESA DO EUREKA (1997-98)

NÚMERO DE PROJECTOS EM COOPERAÇÃO COM OUTROS PAÍSES

| 1 | DE 2 A 5 | DE 5 A 10 | MAIS DE 10 |
|-----------|-----------------|-----------|------------|
| Brasil | Áustria | China | Alemanha |
| CERN | Bélgica | França | Espanha |
| Dinamarca | Eslovénia | Itália | |
| Finlândia | Noruega | | |
| Grécia | Reino Unido | | |
| Holanda | República Checa | | |
| Irlanda | Roménia | | |
| México | Suécia | | |
| Suíça | | | |

EUREKA [meets] ASIA (1998)



Artigos em jornais chineses sobre o evento EUREKA [meets] ASIA 98

Este evento, realizou-se em Macau - território Chinês então sob administração Portuguesa - entre 31 de Março e 4 de Abril de 1998,. A organização dos referidos acontecimentos constava do programa da Presidência Portuguesa da Iniciativa EUREKA e foi promovida pela Agência de Inovação, em colaboração com o CPTTM (Centro de Produtividade e Transferência Tecnológica de Macau), Governo de Macau e ICEP (Investimentos Comércio e Turismo de Portugal).



Cerimónia de abertura dos acontecimentos "EUREKA [meets] ASIA"

O "EUREKA-meets-Asia" teve como objectivo dar visibilidade, nesta região, a alguns desenvolvimentos tecnológicos europeus, nos vários sectores da economia; bem como promover a participação conjunta de empresas e institutos asiáticos e europeus em projectos de inovação tecnológica no âmbito do EUREKA.

A semana dedicada a estes acontecimentos contou com a organização de uma mostra de Tecnologia Europeia, uma Bolsa de Contactos e da Conferência Internacional "Eureka-Asia: A New Challenge for Technological and Economic Cooperation".



Stand da RENAULT / França

A exposição de Tecnologia europeia reuniu no Landmark- Centro de Congressos e Exposições de Macau, durante cinco dias

85 stands de empresas oriundas de 9 países europeus.

A mostra tecnológica foi, sobretudo, um espaço de encontro de culturas , com o objectivo de promover encontros bilaterais "Brokerage Event", que se realizou no dia 1 e 2 de Abril, entre participantes de entidades e empresas europeias e asiáticas. A experiência adquirida pelos participantes, foi útil para contribuir para formatar os recentes 'EUREKA Days' em Seul.

A cerimónia de abertura contou com a presença, dos Ministros da Ciéncia e da Tecnologia de Portugal e da República Popular da China, e do Governador de Macau e teve a participação de 1046 investigadores e empresários representando cerca de 600 organizações participantes.

Nº DE PARTICIPANTES POR PAÍSES NA BOLSA DE CONTACTOS DO 1º EUREKA-meets Asia

| País | PARTICIPAÇÕES |
|-----------------|---------------|
| Áustria | 2 |
| Bélgica | 4 |
| China | 433 |
| República Checa | 6 |
| França | 4 |
| Alemanha | 9 |
| Hong Kong | 5 |
| Islândia | 1 |
| Itália | 2 |
| Japão | 1 |
| Macau | 26 |
| Maldivas | 1 |
| Holanda | 1 |
| Portugal | 51 |
| Eslovénia | 1 |
| Espanha | 5 |
| Suécia | 12 |
| Suíça | 1 |
| Turquia | 1 |
| Reino Unido | 1 |
| Total | 567 |

Com o intuito de organizar a troca de ideias com vista à emergência de novos projectos de transferência de tecnologia e acordos comerciais, investigadores e empresários participaram em sessões temáticas.

OS TEMAS DAS SESSÕES TEMÁTICAS FORAM OS SEGUINTES:

- A1- Energia, Ambiente e Tratamentos de Águas
- A2- Transportes
- A3- Comércio Electrónico, Multimédia, Desenvolvimento de Software
- A4- Têxteis e Vestuário
- A5- Biotecnologia
- A6- Automação e Sistemas Eléctricos e Mecânicos
- A7- Injecção de Moldes e Plásticos
- A8- Novos Materiais e Químicos

A condução dos trabalhos ficou, em cada caso, a cargo dum grupo de peritos (asiáticos e europeus).

Nas sessões de trabalho participaram cerca de 351 pessoas de 18 países.

A promoção dos contactos entre participantes, principal objectivo das Bolsas de Contacto, tem o seu ponto alto nos encontros bilaterais realizados (476 reuniões) tendo a informação recolhida sido transmitida às entidades envolvidas de modo a tornar possível um contacto posterior.

O objectivo destes encontros é principalmente identificar novos projectos de I&D de comum interesse.

DISTRIBUIÇÃO DOS PARTICIPANTES PELAS SESSÕES TIPO “A”

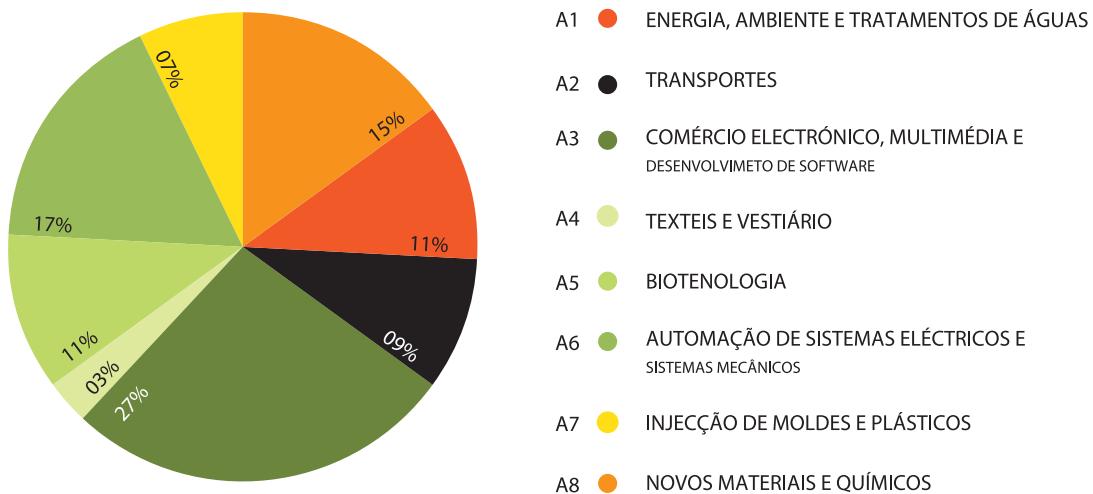


FIG. 5

Cerca de metade das ideias de cooperação surgidas nos encontros bilaterais incidem sobre ideias de projectos de I&D. A outra metade significa hipóteses de negócios mais imediatos, nomeadamente: transferência de tecnologia, licenças de produção, acordos de representação e outros acordos comerciais.

Os resultados atrás expostos vieram justificar a posição tomada, aquando da assinatura da declaração conjunta, pela Ministra da Ciência e da Tecnologia da República Popular da China e o Presidente da Iniciativa EUREKA, o Ministro da Ciência e da Tecnologia de Portugal, em que ficou firmado a realização bienal dos acontecimentos “EUREKA [meets] ASIA”.

A iniciativa revelou-se um mecanismo privilegiado de apoio à internacionalização da inovação tecnológica europeia.

Os vários projectos de I&D desenvolvidos em cooperação com a China, marcando a sua estreia na participação na Iniciativa EUREKA, incluem, também, a participação de Portugal e centraram-se nos domínios do ambiente, biotecnologia, tecnologias de informação e telecomunicações e da automação, revelando o empenho da China no incremento da cooperação C&T com a Europa.

A Adl, SA organizou, entretanto e em colaboração com a Câmara de Comércio e Indústria Luso-Chinesa e o ICEP Portugal, um primeiro ciclo de seminários, em 2000 intitulado “Perspectivas de Cooperação Económica e Tecnológica com a China”, com o objectivo de sensibilizar as empresas portuguesas para as potencialidades oferecidas pelo mercado asiático.

Foram organizadas cinco sessões subordinadas a temas específicos que englobaram a adesão da China à OMC - Organização Mundial do Comércio - a análise dos mecanismos nacionais e comunitários de apoio à coopera-

ção com a China e o regime de direitos de propriedade intelectual em vigor na China e em Macau. Num inquérito efectuado às instituições presentes foi possível registar um número substancial de entidades que pretendem iniciar actividades de cooperação com a China.

A Adl, SA, o CPTTM - Centro de Produtividade e Transferência de Tecnologia de Macau - e o Science and Technology Exchange Center da RP da China (CSTEC), organizaram conjuntamente a **2ª edição do EUREKA [ao encontro da] ÁSIA em 2000**, sob o tema: Tecnologias para o Desenvolvimento Sustentável, desta feita com ampla participação de instituições asiáticas, constituindo o primeiro grande evento internacional realizado no território de Macau, depois da transferência de soberania em Dezembro de 1999.



Abertura do EUREKA [meets] Asia 2000



EUREKA [meets] Asia 2000- perspectiva da Exposição

Dentre os cerca de 800 participantes, estiveram presentes 107 portugueses oriundos de 34 empresas e 38 instituições de I&D e organismos públicos. Para além da presença de vários países membros da UE (como a Alemanha, Holanda, Finlândia, França) e da própria Comissão Europeia, este evento conseguiu atrair representantes de vários estados asiáticos como Singapura, India, Malásia, pertencendo a representação maioritária, naturalmente, à RP da China. Também a Europa de Leste esteve representada por entidades da Polónia, Eslovénia e Roménia, facto revelador do interesse dos PECHO - Países da Europa Central e Oriental - no mercado chinês.

Além de numerosos encontros bilaterais realizados no espaço da Exposição - com centena e meia de stands - foram solicitados à organização mais de trezentos encontros

bilaterais. Como resultado destes encontros foram identificadas cerca de 120 ideias de cooperação, tendo ainda sido assinadas durante o evento cerca de 30 “cartas de intenção” de cooperação. A maioria das ideias de cooperação situam-se na área ambiental (em temas desde a reciclagem de efluentes industriais e domésticos até ao desenvolvimento de novos bio-pesticidas).

Também foram numerosas as oportunidades de cooperação na área das tecnologias de informação (desde o comércio electrónico à automação industrial passando pelo multimédia aplicado ao ensino e à telemedicina); na área dos novos materiais (ex.: novos tipos de sensores, revestimento de materiais com películas cerâmicas); e das tecnologias oceânicas (robótica submarina, monitorização da costa).

EUREKA [meets] ASIA 2000

Ideias de cooperação por Tipo de Cooperação

Fonte: Inquérito aos participantes

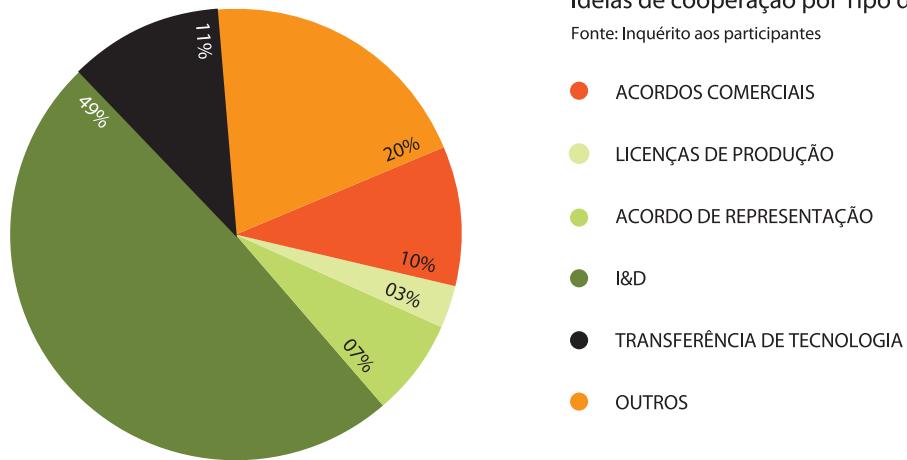


FIG. 6

Aproveitando as sinergias criadas com a presença de empresários e investigadores da Europa e da Ásia em Macau, a Comissão Europeia, em colaboração com a Adl, SA, promoveu um **Seminário de divulgação do 5º Programa Quadro de IDT e das Oportunidades de Cooperação Científica e Tecnológica entre a China e a União Europeia**. No seguimento de uma Sessão Plenária com a presença de funcionários de alto nível da UE e da China, decorreram três workshops temáticos sobre a Sociedade de Informação, Materiais, Ambiente, Oceanos e Renovação Urbana.

No seguimento da realização do EUREKA [ao encontro da] ÁSIA 2000 e aproveitando os contactos então efectuados entre a Agência de Inovação e os responsáveis pelo programa europeu ASIA ECOBEST - programa vocacionado para o apoio à transferência de tecnologias ambientais entre a Europa e a Ásia - foi organizada uma **Mesa Redonda** intitulada "*Asian Environmental Needs, European Advanced Solutions - Bridging the Gap through R&D Solutions*", em que a Adi contou com a colaboração do CDTI - Centro para el Desarrollo Tecnológico Industrial de Espanha e o Centro de Produtividade e Transferência de Tecnologia de Macau. Esta Conferência teve 70 participantes oriundos de vários países da Europa (como a Alemanha, França, Dinamarca e Finlândia) e da Ásia (a China, Tailândia, Singapura e Índia).

A SEGUNDA PRESIDÊNCIA PORTUGUESA DA INICIATIVA EUREKA DECORREU ENTRE JUNHO DE 2008 E JUNHO DE 2009, tendo sido presidida por Manuel Nunes da Ponte, sendo o Representante de Alto Nível Fernando Bello⁵. Foram organizadas 4 reuniões nos seguintes locais e datas:



Perspectiva da Casa da Música onde tiveram lugar as primeiras reuniões da 2ª presidência EUREKA
PORTO

NPC 1 / HLG 1 - 13 a 17 de Outubro de 2008

SINES

NPC 2 / HLG 2 - 26 a 30 de Janeiro de 2009

PONTA DELGADA

NPC 3 / HLG 3 - 30.03 a 3 de Abril de 2009

LISBOA

Conferência Interparlamentar

Assembleia da República - 14 de Maio de 2009

NPC 4 / HLG 4 Centro de Congressos da FIL, Parque das Nações / EXPO, 15 a 18 de Junho de 2009

Conferência Ministerial – 19 de Junho de 2009

Tal como na 1ª Presidência, as reuniões tiveram lugar em diferentes regiões de Portugal para propiciar aos participantes uma visão diversificada do que o país tem para oferecer, em termos económicos e tecnológicos.

⁵ Fernando Bello – Administrador não-executivo da Agência de Inovação, S.A.

A primeira reunião da Presidência Portuguesa decorreu entre 13 e 17 de Outubro na Casa da Música no Porto.

O 2º conjunto de reuniões foi organizado em Sines, com o apoio da Câmara Municipal e da Administração do Porto de Sines. Foi posto em evidência o nosso papel na globalização, quer em termos históricos, quer em termos futuros, tendo sido apresentados projectos no domínio da gestão portuária e robótica oceânica.

As reuniões de Ponta Delgada e a Interparlamentar foram realizadas com a tônica no desenvolvimento sustentado e nas energias renováveis. Na primeira com uma visita técnica à Central Geotérmica da Ribeira Grande e na segunda à Central de Energia Solar próximo de Serpa.

As reuniões de Lisboa decorreram sobre dois temas: o da Internacionalização da Rede Eureka e o da Valorização e Divulgação dos resultados de I&D.

Portugal encerrou a segunda presidência da Iniciativa EUREKA durante a Conferência Ministerial de 19 de Junho de 2009 em Lisboa, em que se materializou a adesão da República da Coreia do Sul como Estado-Associado e a República da Bósnia Herzegovina como Ponto de Informação Nacional.

Foram aceites 33 novos projectos de inovação de base tecnológica, com participação de 35 empresas nacionais (na maioria PMEs) e 26 instituições de investigação, a que corresponde um investimento de 38,4 milhões de euros.

Destes 33 novos projectos, 11 são liderados por empresas nacionais.

Foram aprovados 278 novos projectos EU-REKA (incluindo EUROSTARS), o que representa um aumento de 11,2% relativamente ao ano anterior.

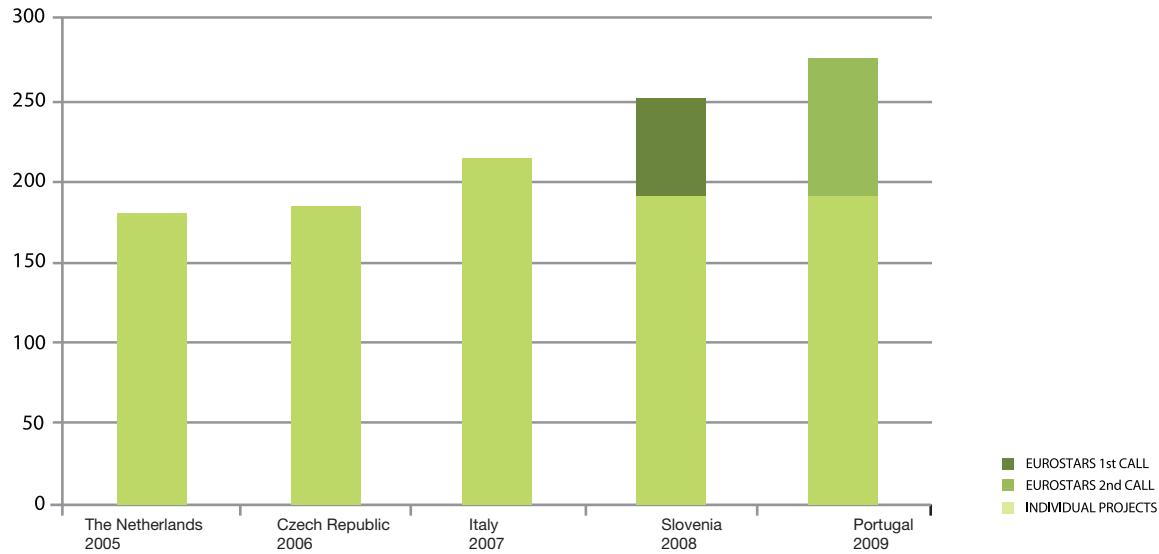


FIG. 7 NÚMERO DE PROJECTOS EUREKA POR PRESIDÊNCIA

OUTRAS INICIATIVAS DA AGENDA DA PRESIDÊNCIA PORTUGUESA:

- **6^a edição do Moulds and Dies “Brokerage Event”** (organização CENTIMFE integrada na Semana dos Moldes) – Marinha Grande, Outubro de 2008;

- **Lançamento do novo ‘umbrella’ EUROAGRI FoodChain** – Cantanhede, entre 17 e 20 Março de 2009.

Esta plataforma iniciou-se com coordenação Holandesa e é assinalada pela entrada de dois novos países (França e Itália). Os domínios abordados são segurança alimentar, valorização dos produtos agrícolas (nas suas vertentes, alimentares, farmacêuticas, ou energéticas), e a minimização dos impactos ambientais das actividades agro-alimentares.



Aspectos da visita à Coudelaria e Hospital da Fundação de Alter Real, em Alter do Chão, integrada no programa de lançamento do EUROAGRI FoodChain em Portugal

Foram assinados 2 memorandos de entendimento (MoU) para o apoio específico a projectos relacionados com o azeite e com o processamento de frutas e vegetais e detectadas 44 novas oportunidades de projecto.

EXPOSIÇÃO DE RESULTADOS EUREKA NAS 4^{AS} JORNADAS DE INOVAÇÃO DA ADI

A Agência de Inovação (Adi) organizou entre 18 e 20 de Junho de 2009 a **4^a edição das Jornadas de Inovação** com o objectivo de divulgar resultados da I&D, apoiar a valorização económica dos resultados e dinamizar parcerias e o estabelecimento de sinergias entre empresários, investigadores e investidores.



INNOVATION DAYS DIVULGARAM A IMAGEM DE PORTUGAL INOVADOR NA EUROPA (Pavilhão 1 FIL, Lisboa)

Esta edição, organizada aquando do encerramento da presidência portuguesa da Iniciativa EUREKA, incluiu uma exposição de resultados de projectos EUREKA e teve a participação de várias organizações internacionais.

As 4^{as} Jornadas de Inovação / Innovation Days 2009 ocuparam todo o Pavilhão 1 da FIL, no Parque das Nações.

A Exposição integrava vários espaços temáticos:

- Resultados de projectos de I&D empresarial com produtos e serviços inovadores;
- Resultados de projectos de I&D de entidades do sistema científico e tecnológico que procuram aplicação industrial;

e um programa paralelo de eventos que incluiu um conjunto de conferências internacionais, workshops e bolsas de contacto.

A Iniciativa EUREKA esteve representada *per se* num espaço dedicado à exposição de resultados de projectos onde se realizou a cerimónia de entrega dos prémios EUREKA Innovation Days, com a presença de Ministros e outros convidados europeus de alto nível que participaram na Conferência Ministerial que teve lugar no dia 19 de Junho .

A Comissão Europeia esteve representada, tendo integrado o evento no calendário oficial do Ano Europeu para a Criatividade e Inovação.





Simultâneamente, organizado pela Associação Industrial Portuguesa (AIP), ocorreu um evento vocacionado para as tecnologias ambientais, industriais e electrónicas, a TECNOFIL.

Uma exposição de projectos EUREKA - com 57 dos seus melhores projectos de inovação com sucesso no mercado - abria a maior exposição de resultados de I&D jamais realizada no nosso país - com cerca de 500 resultados de projectos, que envolveram 1000 participantes entre empresas e entidades de investigação. Durante três dias 1200 expositores interagiram com um público, fundamentalmente profissional.



É de assinalar que Portugal tinha fixado como um dos objectivos da sua segunda Presidência da Iniciativa EUREKA a **valorização da Etiqueta EUREKA** como sinal de **inovação europeia**.

Esta preocupação de dar visibilidade aos resultados de inovação de base tecnológica foi ainda demonstrada no jantar e almoço da Conferência Ministerial em cujas ementas foram incluídos 14 produtos alimentares inovadores resultantes de projectos de I&D.

Durante o jantar do Grupo de Representantes de Alto Nível do EUREKA a investigadora do CENIMAT (UNL) – Elvira Fortunato - fez uma intervenção sobre aplicações das tecnologias desenvolvidas no seu laboratório, uma das quais estava materializada num brinde oferecido aos participantes, integrando uma aplicação fotocromática, com o símbolo da nossa Presidência.

A Presidência Portuguesa introduziu o **prémio ao melhor projecto EUREKA** com resultados já no mercado. O primeiro vencedor foi o projecto E-RAILMAP – Electronic Railmap of Europe, liderado por uma empresa da República Checa, JERID.

O Innovation Days, realizado no encerramento da Presidência EUREKA contou com um extenso programa paralelo de conferências e seminários que mobilizou 2.500 inscritos.

Além da exposição de resultados de inovação, as 4as. Jornadas de Inovação foram um grande evento de dinamização de novos projectos e de novas parcerias. Para além das 500 pessoas inscritas nas quatro Bolsas de Contacto organizadas formalmente, todo o pavilhão 1 da FIL funcionou como um gigantesco encontro entre empresas e investigadores, nos seus stands e nos espaços de encontro criados ao longo do pavilhão. Pelo seu particular significado destacam-se os encontros realizados nos stands da Coreia do Sul (novo membro associado do EUREKA) e do Brasil que apresentou a sua candidatura a membro associado.

No exterior do pavilhão foram realizadas demonstrações de dois tipos de robots móveis: num relvado do Parque das Nações um “robot corta relva” demonstrou o seu desempenho neste tipo de aplicação; um catamarã do ISR de Lisboa operou no espelho de água em frente ao Pavilhão de Portugal da Expo de 1998.

Onze anos depois encerrava-se assim, no mesmo espaço, a 2ª Presidência Portuguesa da Iniciativa EUREKA. Em ambas o EUREKA esteve presente. Na primeira data através

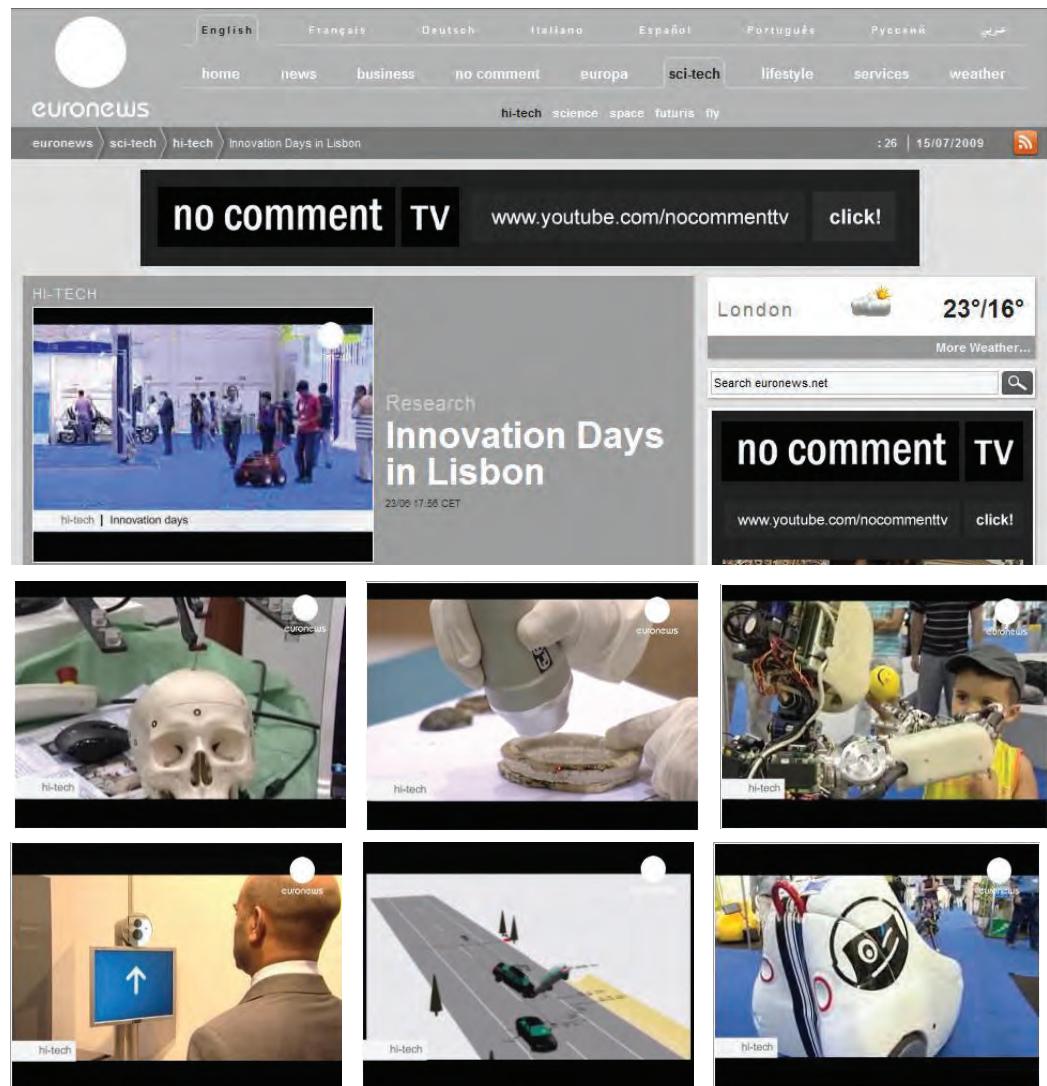
de uma presença simbólica no Pavilhão do Futuro, na segunda numa grande exposição de resultados concretos de 500 projectos de I&D, como amostra de um Portugal Inovador que entretanto foi construindo o seu Futuro.

Foi a imagem nova, de um Portugal inovador que procurámos substanciar e divulgar na Europa, através dos 200 representantes dos países da Rede EUREKA que durante estes dias reuniram entre o Centro de Reuniões e o Pavilhão 1 da FIL.

A cobertura dos eventos foi assegurada por jornalistas especializados internacionais, de que destacamos a cobertura feita pelo canal internacional de Televisão EURONEWS que dedicou à divulgação da Exposição das Jornadas de Inovação, três reportagens.

Cerimónia de entrega do prémio EUREKA Innovation Days ao projecto E-RAILMAP – Electronic Railmap of Europe, liderado pela empresa Checa, JERID.





DEPOIMENTOS DE PARTICIPANTES NACIONAIS EM PROJECTOS EUREKA

Statements from national participants in EUREKA projects

CLEAN ALUMINIUM VACUUM POURING SYSTEM

Produce An Industrial Pouring Equipment Prototype Based On Three Patent Applications, That Transfers Clean Aluminium From A Maintenance Furnace To The Injection Machine, The Die Or The Mould.

PARTNERS

MAIN PARTNER PT - TERMOLAB, FORNOS ELÉCTRICOS, LDA.

PT - Instituto de Engenharia Mecânica e Gestão Industrial (Mamede)
 PT - Universidade de Aveiro - Dept. Engenh. Cerâmica e do Vidro
 AT - Aug. Rath Jun. Ag

“O ALVAC foi muito relevante, quer para a Termolab, quer para o INEGI.

Para o INEGI o projecto foi importante pois permitiu que uma ideia inovadora do Professor Barbedo de Magalhães da FEUP fosse materializada e testada na indústria, mais concretamente na empresa Kupper and Shmidt, hoje com o nome Shmidt Light Metals. O equipamento desenvolvido e testado industrialmente, tinha como objectivo aspirar alumínio de um forno de manutenção e dosear esse alumínio para uma máquina de injecção sob vácuo/ atmosfera controlada, utilizando uma tecnologia avançada e pouco usada na Industria. Foi, pois, um ponto de partida para enveredar por tecnologias menos convencionais e mais inovadoras. Para a Termolab o projecto foi também muito importante, pois permitiu o contacto com tecnologias inovadoras na Industria e ainda com os seus parceiros de Projecto - a empresa Austríaca RATH e os parceiros Portugueses INEGI e Universidade de Aveiro. Daí resultou um aumento de competências, já que tradicionalmente a empresa fabricava produtos mais apropriados para utilizações laboratoriais.

Posteriormente a este Projecto a Termolab já participou outros projecto de I&D que ajudaram a colocar no mercado novos produtos inovadores. Neste momento já vendeu fornos de grafite para a Phillips, fornos de sinterização para moldações cerâmicas para a Rolls Royce Aeroespacial (UK) e para a Comissão Aeronáutica do Brasil, fornos de vazio com remoção de aglomerantes para a BMW (Alemanha), para o IFAM Bremen (Alemanha) e para o ARC Seibersdorf (Áustria) e fornos tubulares de alto vácuo para o NEGEV - Nuclear Research Center em Israel e para o Centro de Pesquisa Nuclear de Belo Horizonte (Brasil). Este projecto foi também o ponto de partida para o INEGI desenvolver projectos com a Industria Portuguesa, particularmente com a Zollern na área do vazamento sob vácuo de ligas de alumínio: projectos Turbocast, Fundimp e Vabimp financiados pela Agência de Inovação. Estes projectos deram origem a uma nova unidade industrial com um investimento na Zollern de cerca de 5M de Euros que vai produzir impulsores para turbocompressores em ligas de alumínio vazadas por aspiração sob vácuo e em baixa pressão. Depois destes projectos estão agora a decorrer mais dois que surgiram, naturalmente, na sequência deste: projectos Comticast e o Compintegra, também financiados pela Agência de Inovação, destinados a desenvolver as tecnologias de fundição de ligas de titâniobio sob vácuo em atmosfera controlada, cujo objectivo é, também, o desenvolvimento de novas unidades industriais na Zollern.”

(Depoimento prestado por Francisco Simões, Termolab)

E! 1913 ALVAC

START DATE >
01-01-1998

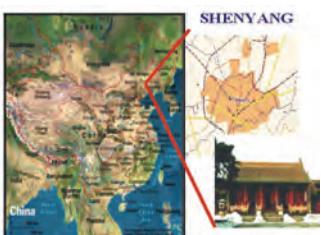
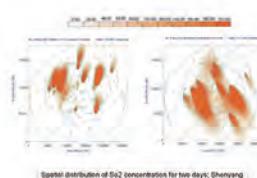
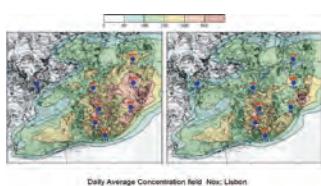
TOTAL COST >
0.51 M€



E! 1920 INTELAIR

START DATE >
01-01-1999

TOTAL COST >
0.5 M€



HYBRID SYSTEM FOR URBAN AIR POLLUTION MANAGEMENT: ARTIFICIALLY INTELLIGENT AND TRADITIONAL MODELLING

Two Approaches For The Calculation Of Air Concentrations In Urban Areas - Traditional (Gaussian Model) And A New Technique Using Artificial Intelligence Methods. They Will Be Combined In A Hybrid System For Air Quality Prediction.

PARTNERS

MAIN PARTNER PT - W. S. ATKINS PORTUGAL, CONSULTORES E PROJ. INTERNACION. LDA.

PT - IDAD - Instituto do Ambiente e Desenvolvimento
 UK - United Kingdom Meteorological Office - Consultant Group
 CN - Peking University/Institute of Environmental Engineering
 CN - Northeast Electric Power Group Corporation of China
 CN - Companhia de Electricidade de Macau, S.A.R.L.
 CN - University of Macau/Faculty of Science and Technology

"A WS Atkins, em colaboração com o IDAD - Instituto do Ambiente e Desenvolvimento, da Universidade de Aveiro, promoveu o projecto E! 1920 – INTELAIR, sobre formas de gestão da qualidade do ar.

O projecto INTELAIR foi relevante para a empresa na medida em que permitiu acompanhar e participar num trabalho intensivo de investigação, envolvendo entidades públicas e privadas, empresariais e universitárias, portuguesas, chinesas e macaenses, conducente à produção de uma ferramenta de fácil e relevante aplicação.

Esta relevância resultou da intensificação da investigação aplicada no âmbito da actividade da empresa, baseada na perspectiva de produção de uma ferramenta de fácil aplicação para a gestão da qualidade do ar, problemática da maior relevância em países como a China, com uma extrema dependência de fontes energéticas fósseis, extremamente poluentes, como o carvão. O produto consistiu num sistema de modelação da qualidade do ar que, depois de ter sido desenvolvido e testado, em conjunto com um engenheiro chinês que esteve em Portugal a colaborar no projecto e a desenvolver um interface operacional em chinês, foi instalado pelo Departamento de Protecção Ambiental da cidade de Shenyang, no nordeste da China.

Ao envolver empresas – Atkins Portugal, Companhia de Electricidade de Macau e Northeast China Electric Power Group Corporation of China - e universidades – IDAD / Universidade de Aveiro, Universidade de Pequim e Universidade de Macau foi, também, extremamente importante a oportunidade que este projecto proporcionou de estreitamento de relações internacionais, implicando a plena compreensão não apenas de diferentes culturas, como a apreensão de problemáticas e abordagens metodológicas totalmente diversificadas. Ressalte-se que esta diversificação e a aprendizagem de trabalho em conjunto entre entidades diferenciadas se processou não apenas ao nível dos países envolvidos – Portugal, China e Macau - como também do tipo de entidades cooperantes, nomeadamente empresas, universidades e entidades públicas."

(Depoimento prestado por Isabel Castel'Branco, W.S. Atkins Portugal)

METHODOLOGY FOR THE ANALYSIS OF CORROSION FAILURES IN THE MAINTENANCE OF INDUSTRIAL PLANTS

Development Of An Advanced Methodology For The Analysis Of Corrosion Problems, Integrated Into A Pc Software Tool, Using Knowledge-Based System (Kbs) Technology.

PARTNERS

MAIN PARTNER PT - INSTITUTO DE SOLDADURA E QUALIDADE - INVESTIGAÇÃO E DESENVOLVIMENTO/DIVISÃO DE ENGENHARIA DE SISTEMAS

PT - Integridade, Serviços de Manutenção e Integr. Estrutural Ida.
 NL - Metsearch b.V.
 CN - Luzhou Natural Gas Chemical Industrial Corporation
 CN - Icpm - Institute of Corrosion and Protection of Metals, Cas
 CN - Beijing University of Chemical Technology (Buct)
 CN - Innovation Engineering Centre (Company Ltd) - Scut
 CN - Universidade de Macau
 CN - Sinopec Tech - R&D Centre (China Petrochemical Corporation)
 CN - Companhia de Electricidade de Macau, S.A.R.L.
 BR - Petroleos do Brasil S.A.

"Os projectos METHOD e KMIM, promovidos no âmbito da iniciativa EUREKA, permitiram-nos atingir objectivos assinaláveis enquadrados na nossa estratégia de crescimento internacional, potenciando uma evolução tecnológica e um valor de mercado significativos.

O projecto METHOD - Methodology For The Analysis Of Corrosion Failures In The Maintenance Of Industrial Plants foi apresentado na 1^a Edição do EUREKA [meets] ASIA, a New Challenge for Technological and Economical Co-operation", o qual teve lugar em Macau entre 31 de Março a 4 de Abril de 1998, durante a primeira Presidência Portuguesa do EUREKA. Foi o primeiro projecto EUREKA com a China.

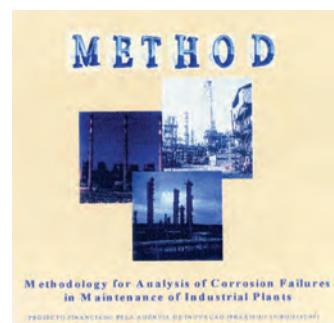
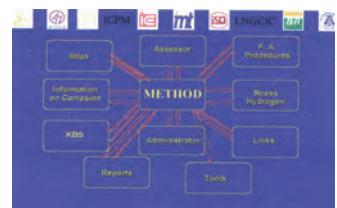
Este projecto, co-promovido por empresas e entidades do Brasil, Portugal, Republica Popular da China e Holanda, concebeu e produziu uma base de dados relacional e interactiva, capaz de gerir grandes quantidades de informação relativa a falhas devidas a fenómenos de corrosão com fissuração, tendo como elementos de base os dados históricos dos vários participantes. Estes resultados potenciaram o estabelecimento de empresas participadas pelo ISQ em Macau e em Cantão, onde existe hoje um mercado muito significativo e em expansão. Contribuíram, ainda que de forma indirecta, para a constituição da nossa subsidiária no Brasil (ISQ BRASIL), a qual se encontra perfeitamente consolidada e apresenta um apreciável volume de negócios.

(Depoimento prestado por José Oliveira Santos, ISQ)

E! 1746 METHOD

START DATE >
01-01-1998

TOTAL COST >
2.1 M€



E! 1890

KMIM

START DATE >
01-03-1998

TOTAL COST >
0.45 M€

KEEP MEMORY FOR MAINTENANCE

Development Of An Advanced Technology For The Analysis Of Quality Programmes, To Be Used During Lhc (Large Hadron Collider) Cern Construction.

PARTNERS

MAIN PARTNER PT -INSTITUTO DE SOLDATURA E QUALIDADE - INVESTIGAÇÃO E DESENVOLVIMENTO/DIVISÃO DE ENGENHARIA DE SISTEMAS

PT - Integridade, Serviços de Manutenção e Integr. Estrutural Lda.

ES - CETECOM - Centro de Tecnología de La Comunicaciones S.A.

EU - CERN - European Laboratory for Particle Physics - Centre Européen De Recherche Nucléaire

“O projecto KMIM - Keep Memory For Maintenance permitiu que o ISQ se dotasse dos meios que permitissem fazer o Controlo e Gestão da Qualidade na produção e montagem de obras de grande dimensão. A nossa intervenção técnica, ao nível da inspecção de fabrico, no LHC – Large Hadron Collider, do CERN, será porventura a de maior visibilidade nesta área, atendendo ao extraordinariamente elevado nível dos requisitos e especificações de um projecto desta natureza.”

(Depoimento prestado por José Oliveira Santos, ISQ)

REHABILITATION AND PROTECTION OF HERITAGE STRUCTURES USING LOW INTRUSIVE LTM FIBRE COMPOSITES.

Development Of Materials And Processes To Use Advanced Fibre Composite Materials For Low Intrusion Rehabilitation And Protection Of Heritage Structures.

PARTNERS

MAIN PARTNER ES - ACCIONA INFRAESTRUCTURAS S.A.

UK - The Advanced Composites Group Ltd.

EU - JRC - Institute for Systems, Informatics and Safety Joint Research Centre

SI - Ljubljana University/Civil Engineering Institute (ZRMK)

ES - Universidad de Zaragoza/Mechanical Engineering Department

PT - STAP - Reparação, Consolidação e Modificação de Estrut. Lda.

"A participação da Stap em diferentes projectos de I&D tem permitido à empresa distinguir-se no mercado em que actua e tem contribuído de forma indubitável para a sua imagem e prestígio. Os contactos com empresas e unidades de I&D de diferentes países são frequentes, traduzindo-se, em geral, na partilha de ideias inovadoras de elevado potencial, na obtenção de novas competências e na introdução de novas tecnologias.

Com frequência, a Stap é solicitada a colaborar com entidades científicas e tecnológicas no desenvolvimento dos seus projectos, principalmente por ser facilmente reconhecida como um potencial parceiro, que se tem destacado no seu segmento de mercado. De um modo semelhante, a Stap é chamada pelos projectistas a intervir na elaboração dos projectos, em particular no caso das obras mais complexas, no sentido de recomendar a solução a adoptar para o caso específico apresentado.

Apesar dos resultados positivos obtidos ao nível da investigação e validação laboratorial dos sistemas desenvolvidos, ainda não foi possível converter o esforço em I&D em montantes de facturação expressivos. Em particular no caso do projecto Comrehab, embora os resultados dos ensaios laboratoriais tenham sido determinantes para o estudo do sistema, verificou-se que é ainda necessário aprofundar alguns aspectos do sistema antes de se avançar para a realização de ensaios pré-industriais, em obra. O mais recente estudo experimental e analítico desta solução de reforço foi realizado pelo engenheiro Joaquim Cardoso, no âmbito da sua dissertação do Mestrado Integrado de Engenharia Civil do IST, sob a orientação de Jorge Proença e António Gago, ambos professores do Departamento de Engenharia Civil e Arquitectura do IST. Ao estudo do engenheiro Joaquim Cardoso, foi atribuído o Prémio Secil Universidades Engenharia Civil 2008.

Este estudo permitiu também destacar o sucesso na parceria da empresa com a universidade e salientar que o segmento específico do reforço e da reabilitação sísmica continua actual, pertinente e a despertar interesse no meio académico e científico.

(Depoimento prestado por Vitor Córias e Silva, STAP)

E! 1939 EUROCARE COMREHAB

START DATE >

01-07-1998

TOTAL COST >

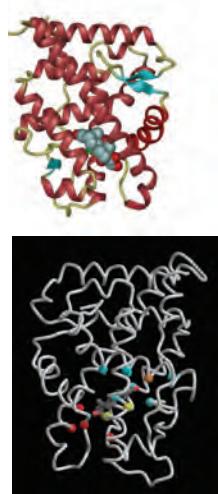
4.25 M€



E! 1948 SASTEREC

START DATE >
01-04-1998

TOTAL COST >
2 M€



STRUCTURAL ANALYSES OF STEROID RECEPTORS FOR DRUG DESIGN

Structural Knowledge Of Steroid Receptors And Their Complexes With Agonist And Antagonist Candidate Pharmaceuticals Will Be Used To Improve The Drug Discovery Process.

PARTNERS

MAIN PARTNER DE - SCHERING AG

PT - Instituto de Biologia Experimental e Tecnologia (IBET)

“O projecto representou investigação inovadora na caracterização estrutural de ligandos do receptor de androgéneo, conhecimento essencial para o desenvolvimento de compostos potenciais candidatos ao tratamento do cancro da próstata. Em particular possibilita-se a descoberta de fármacos para o tipo de cancro independente do androgéneo e também o tratamento de síndromas associados a insensibilidade androgénica parcial ou completa.

O projecto consolidou a colaboração do IBET com a farmacêutica alemã Schering AG de Berlin que havia sido iniciada em 1998. O projecto permitiu reforçar a actividade da empresa alemã com actividade de I&D desenvolvida no IBET na produção e caracterização estrutural do receptor humano do androgéneo e o seu mecanismo de acção com ligandos agonistas e antagonistas. O receptor do andrógeno liga-se a esteróides específicos, regulando assim a diferenciação e desenvolvimento masculino. O conhecimento da estrutura do domínio de ligação do receptor androgéneo permitiu identificar e definir, a nível atómico, a especificidade na ligação dos esteróides que lhe são próprios, condição fundamental para a sua selectividade. Permitiu também interpretar diferentes comportamentos de novos compostos e racionalizar a sua acção como agonistas ou antagonistas. A investigação estendeu-se a 14 mutações conhecidas envolvidas em cancro da próstata ou do síndroma de insensibilidade ao androgéneo. De entre estes o estudo estrutural de um duplo mutante do receptor de androgéneo permitiu compreender a actividade glucocorticóide observada numa linha celular independente de cancro.

A caracterização estrutural dos dois complexos proteicos, o receptor nativo e o duplo mutante com ligandos agonistas, permitiu o desenvolvimento de novas drogas anti-câncer, investigação seguida na Schering e noutras empresas farmacêuticas.

Um indicador do sucesso desta investigação em toda a comunidade académica e industrial é o número de citações recebidas desde a publicação de parte deste trabalho em 2000¹, que ascende agora a um total de 286, tendo ainda recebido 17 em 2009 e 16 em 2010, sendo um dos “top 1% highly cited papers” (Essential Indicators of Web of Knowledge) dos últimos 10 anos da Universidade Nova de Lisboa.

Uma segunda indicação de sucesso consiste no facto de o IBET continuar a trabalhar com o grupo Bayer Schering Pharma, após fusão ocorrida há cerca de três anos, ultrapassando o meio milhão de euros anuais o valor das colaborações em curso.

(Depoimento prestado por Manuel Teixeira Carrondo, IBET)

¹ Matias PM, Donner P, Coelho R, Thomaz M, Peixoto C, Macedo S, Otto N, Joschko S, Scholz P, Wegg A, Basler S, Schafer M, Egner U and Carrondo MA. "Structural evidence for ligand specificity in the binding domain of the human androgen receptor – implications for pathogenic gene mutations" J Biol. Chem. (2000) 275, 26164-26171.

DEVELOP A METHOD TO INCREASE THE SHELF LIFE OF MINIMALLY PROCESSED VEGETABLES.

Improve The Shelf Life, Quality And Stability Of Vegetables By Using Edible Films, Both Alone And Alone Combined With Modified Atmosphere Packaging (Map).

PARTNERS

MAIN PARTNER PT - CAMPOTEC S.A.

PT - ISA - Instituto Superior de Agronomia - Universidade Técnica de Lisboa

PT - INIA - Instituto Nacional de Investigação Agrária

ES - CRYOVAC - Grace Packaging

ES - CSIC - Instituto del Frio/Dep. de Metabolismo y Nutrición - Consejo Superior de Investigaciones Científicas

“Sem dúvida que o projecto GREENTEC foi relevante para a empresa. A partir dele foi criada uma unidade de raiz para produção de vegetais de IV Gama pioneira em Portugal.

A realização do projecto permitiu não só a criação dessa unidade como o estabelecimento de fortes laços entre industria e unidades científico-tecnológicas permitindo aumentar largamente o conhecimento da empresa sobre os produtos recentemente criados e a partir dai realizaram-se muitos mais projectos de parceria com vista ao reforço do conhecimento e à melhoria da qualidade e capacidade produtiva da unidade o que logicamente levou ao aumento da competitividade por parte da Campotec.

A criação desta unidade permitiu à empresa escoar produtos que de outra forma não seriam vendidos ao mercado criando novos produtos e portanto aumentando o leque de ofertas e alterando o tipo de cliente pois os produtos de 4ª gama destinaram-se inicialmente apenas à restauração e catering e só posteriormente à grande distribuição.

(Depoimento prestado por Jorge Soares, Campotec)

E! 1975 EUROAGRI GREENTEC

START DATE >
01-02-1999

TOTAL COST >
0.4 M€



E! 2001 MISFA

START DATE >
15-11-1998

TOTAL COST >
0.9 M€



MICROBIAL SPECIALTY FEED FOR AQUACULTURE

The Aim Is To Create A New Feed Alternative For Hatcheries Which Will Consist Of A Concentrated Microalgae Paste Enriched With Selected Bacteria Which Has A Stimulating Growth Effect And Improves The Health Of Organisms.

PARTNERS

MAIN PARTNER PT - NECTON - COMPANHIA PORTUGUESA DE CULTURAS MARINHAS S.A.

SE - Biosolv AB

CN - South China Sea Institute of Oceanography, Academia Sinica

"O MISFA permitiu à Necton desenvolver uma tecnologia de produção de microalgas inexistente na empresa, os fotobioreactores, possibilitando o desenvolvimento de novos produtos que a empresa ainda comercializa com a marca PhytoBloom, através do projecto NOVALGAS, financiado pela ADI. A empresa até ao momento conduzia a sua produção em tanques abertos, a mudança de tecnologia abriu um sem número de novas possibilidades, possibilitando à empresa a produção de dezenas de espécies de microalgas que tem vindo a comercializar. Estas tecnologias foram sendo afinadas e melhoradas pela empresa que de momento possui fotobioreactores "state-of-the-art", em aplicações tão inovadoras como a fixação de CO₂ emitido pela indústria pesada, com produção de biomassa de microalgas, projecto empresarial do spin-out da Necton, a A4F – Algafuel, SA.

A chancela EUREKA aparece numa altura em que a palavra inovação se encontrava perdida no fundo do léxico português; apesar do ciclo económico favorável, a obtenção de financiamento para actividades inovadoras era difícil, a credibilização que a chancela E! conferiu aos diversos projectos da empresa, foi determinante. O MISFA funcionou um pouco como uma chave de conforto e um excelente cartão de apresentação.

(Depoimento prestado por João Navalho, Necton)

MONITORING SYSTEM FOR AIRPORT VEHICLES

The Project Aims At Implementing The Eurocontrol A-Smgcs Recommendations In An Operating System Of Surveillance And Control Of Airport Surface Vehicles (Policemen, Firemen, Service Vehicles, Etc.).

PARTNERS

MAIN PARTNER FR - M3 SYSTEMS

PT - INESC Inovação, Instituto de Novas Tecnologias
PT - ANA - Aeroportos de Portugal S.A.

"Tratou-se de um projecto de IDE que levou ao desenvolvimento de uma solução piloto operacional que permitiu criar conhecimento e acumular competências nas áreas de:

Comunicações móveis de dados para elevadas exigências de mobilidade e com elevados tempos de resposta e disponibilidade

Sistemas EGNOS/GALILEO, incluindo SISNET, com elevadas exigências de requisitos de posicionamento e integridade

Cartografia WGS84 adequada à utilização da aplicação EGNOS/GALILEO

Apoio à decisão

Está na base da sua implementação-piloto em dois aeroportos da rede ANA.

É alvo de iniciativas de comercialização internacional sob uma marca própria registada e é potencialmente aplicável a outras actividades de gestão: Portuária, Rodoviária, Ferroviária, de Plataformas logísticas, de Frotas de handling, de Segurança operacional, de Crises e emergências.

Serve de base de teste, validação e demonstração para outros projectos de I&D que desenvolvem actualmente algumas componentes específicas destinadas especialmente a certos stakeholders, ou a necessidades específicas de gestão e controlo.

Serve como plataforma de projecção da competência e credibilidade da empresa em matéria de IDE, permitindo alargar o seu leque de interfaces relevantes nesta área.

Esteve na origem de várias publicações técnicas e científicas.

Esteve na origem do prémio ANIMEE - ASSOCIAÇÃO PORTUGUESA DAS EMPRESAS DO SECTOR ELÉCTRICO E ELECTRÓNICO de Criatividade e Inovação, aos colaboradores da empresa participantes no projecto em 2007.

(Depoimento prestado por Luís Castanho, ANA)

E! 3142 SAFE DRIVE

START DATE >
01-04-2004

TOTAL COST >
1.51 M€



E! 3747
EUROAGRI+
IPM-RICE

START DATE >
02-01-2006

TOTAL COST >
0.3 M€



INTEGRATED PEST MANAGEMENT OF RICE FOR CONSUMPTION

Monitoring Insects And Fungi In Stored Rice From The Field To Industrial Areas, As Part Of Risk Assessment And As A Decision-Making Tool. Application Of Alternative Less Noxious Control Methods Than Traditional Ones.

PARTNERS

MAIN PARTNER PT - IICT - INSTITUTO DE INVESTIGAÇÃO CIENTÍFICA TROPICAL (TROPICAL RESEARCH INSTITUTE OF PORTUGAL)

PT - Sociedade Europeia de Arroz - SEAR, S.A.
PT - APARROZ - Agrupamento de Produtos de Arroz do Vale do Sado, Lda
PT - SALUDÃES - Produtos Alimentares S.A.
ES - Irta (Cabrils) - Instituto de Recerca Y Tecnologia Agroalimentaria
ES - Sociedad Espanola De Carburos Metalicos
GR - Agricultural University Of Athens / Department Of Plant Science / Laboratory Of Agricultural Zoology And Entomology
IT - Universita' Degli Studi Del Molise
De - Biologische Bundesanstalt Fuer Land-Und Forstwirtschaft / Institute for Stored Product Protection
IL - Food Technology International Consultancy Ltd. (Ftic)
US - United States Department of Agriculture - Agriculture Research Service, Grain Marketing and Production Research Centre/Biological Research Unit

"A Saludães foi a empresa que conseguiu obter mais benefícios do projecto. Com base nas tecnologias desenvolvidas no âmbito do projecto conseguiu produto final de melhor qualidade, com o selo EUREKA e reduziu significativamente a quantidade de lotes rejeitados por causa de insectos, com impacto económico também significativo. Os seus resultados têm sido divulgados, nacional e internacionalmente, entre a comunidade de especialistas na protecção dos cereais armazenados.

No projecto IPM-Rice estiveram envolvidas duas indústrias de arroz, a SEAR e a Saludães, e uma Associação de agricultores, a Aparroz. Para as estas este projecto contribui para o desenvolvimento de produtos de melhor qualidade e na introdução de tecnologias inovadoras quer para indústria Portuguesa quer europeia, como o caso da utilização de armadilhas electrónicas para monitorização de infestações.

A Saludães foi, no entanto, a empresa que conseguiu obter mais benefícios do projecto: foi pioneira na Europa da aplicação de atmosferas modificadas em arroz armazenado (casca e polido) em silos e bigbags. Implementou planos de amostragem de insectos em todo o processo permitindo assim identificar os períodos e locais de maior risco de infestações e só tratar quando necessário. Com base nestas tecnologias conseguiu produto final de melhor qualidade, com o selo EUREKA, e reduziu significativamente a quantidade de lotes rejeitados por causa de insectos, com impacto económico também significativo.

A Sear e a Saludães, assim como a Aparroz, têm o reconhecimento internacional dentro da comunidade de especialistas que trabalham na protecção dos cereais armazenados. Têm interagido com essa comunidade e continuam a trabalhar na melhoria da gestão do cereal armazenado mesmo depois do projecto.

(Depoimento prestado por Maria Otília Carvalho, IICT)

OPTICAL SEPARATION OF QUARTZ, FELDSPAR AND LEPIDOLITE (LITHIUM).

The Process Of Optical Separation Of Quartz, Feldspar And Lepidolite (Lithium), Lies In The Industrial Separation Of These Minerals, Through The Contrast Of Colours, Brightness And Geometry Of The Particle.

PARTNERS

MAIN PARTNER PT - FELMICA MINERAIS INDUSTRIAIS, S A
DE - MOGENSEN GMBH & CO. KG

"A Felmica para além de um laboratório que está constantemente a controlar a qualidade dos nossos produtos, também procede à investigação/desenvolvimento de novos produtos que vão ao encontro das solicitações dos clientes (cliente como inovador!). Em muitas ocasiões um problema do nosso cliente pode levar ao desenvolvimento de um novo produto.

O caso concreto do projecto Separoptica superou as nossas expectativas em vários aspectos:

a) Incremento da competitividade - Conseguimos ter um melhor aproveitamento das nossas reservas mineiras uma vez que, a partir de escombreiras (produto não vendável), conseguimos por Separação Óptica ter vários produtos vendáveis e em certos casos produtos "extra".

b) Lançamento de novos produtos - conseguimos não só lançar novos produtos - quartzo, mas também entrar em novos segmentos de mercado - aglomerados. Até esta data a empresa estava praticamente só ligada ao sector da Cerâmica.

c) O mercado dos aglomerados (quartzo) trouxe também novos clientes para a empresa.

d) A empresa internacionalizou-se. Até esta data as exportações da empresa tinham um peso muito reduzido no volume de negócios da empresa. Actualmente (dados de final de Abril) as exportações representam 10% do Volume de Negócios."

(Depoimento prestado por José Manuel Henriques, Felmica)

**E! 4991
SEPAROPTICA**

START DATE >
01-01-2008

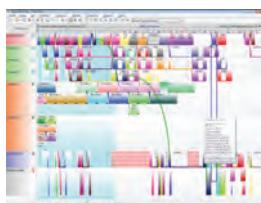
TOTAL COST >
1.2 M€



E! 3288 EUREKA IZARO

START DATE >
01-01-2004

TOTAL COST >
1.89 M€



EUREKA-IZARO, INFORMATION SYSTEM ERP II EXTENDED

To Enlarge Global Information Systems And Enhance Accessibility And Mobility So That Information Flows Become Manageable. Planning For Optimising Services, Productivity And Knowledge Management.

PARTNERS

MAIN PARTNER **ES - INFORMATICA 68, S.A.**
PT - SOFTI9 Inovação Informática, LDA

"O Projecto IZARO foi estratégico para a Softi9. Os produtos daí resultantes (nomeadamente o Escalonador e Optimizador da Produção Izaro APS) permitiram-lhe reposicionar-se de uma forma inovadora e competitiva, não só a nível nacional, como a nível mundial. Portanto, o projecto foi muitíssimo relevante.

O desenvolvimento do ecossistema de Soluções a que nos propusemos, com especial destaque para o IZARO APS, permitiu-nos criar uma estrutura, em permanência, dentro da Softi9, dedicada em exclusividade ao I&D+i, que se mantém até aos dias de hoje, com perspectivas de ser certificada a breve trecho. Desta forma, e como consequência directa do referido projecto, a empresa começou por reorganizar as poucas actividades que I&D que fazia até então para rapidamente se ver mergulhada numa cultura de inovação. Toda a I&D+i que passou a desenvolver foi enquadrada nas normativas já estabelecidas pelo nosso parceiro espanhol (que leva dez anos de vantagem em I&D+i sobre nós) e nas boas práticas de gestão em vigor no INESC Porto, que teve como resultado melhores práticas de desenvolvimento e controlo, com implicações directas no aumento da competitividade.

Do projecto resultaram novos produtos que pudemos apresentar ao mercado, tendo o Izaro APS sido reconhecido, em 2006, com o Prémio de Inovação Nacional Leonardo da Vinci. Pelas suas características inovadoras e mais-valias que traz para os nossos Clientes, bem como pela excelente relação preço-qualidade, o Izaro APS abriu as portas para a internacionalização da Softi9. Esta iniciou-se em 2008 para o mercado alemão (que estamos a reforçar neste ano de 2010), continuando em 2009 para a Polónia (actualmente com dois parceiros locais) e já este ano para o mercado brasileiro (cujo contrato de parceria foi estabelecido no mês passado com duas empresas, uma tecnológica e outra comercial, com presença em todo o território do Brasil). Temos uma estratégia de internacionalização bem definida, com mercados claramente identificados para o curto e para o médio prazo.

A aposta no networking tem sido outra das vertentes que se iniciou com o E! 3288 – EUREKA IZARO, através da nossa colaboração com o INESC Porto, mas que cedo se alargou a outras entidades do SCTN (tal como a Universidade de Aveiro, com a qual já colaborámos no desenvolvimento de outros produtos, ou a Universidade do Minho, Universidade de Coimbra ou Instituto Politécnico de Setúbal, todas entidades com que mantemos relações a nível académico).

Noutras áreas, estabelecemos acordos de trabalho com empresas tecnológicas, também, nalguns casos, software houses que vêm no Izaro APS um complemento para o seu leque de soluções. Passámos a trabalhar de uma forma muito mais estreita com a Adl, com o AICEP e com o IAPMEI, que nos têm vindo a proporcionar um apoio, a diferentes níveis, que consideramos fundamental.

Por fim, passámos a aceder a mercados, sectores de actividade e/ou empresas com grandes especificidades nas áreas de produção, por passarmos a ter uma solução compatível com as suas necessidades, tantas vezes complexas.

Um aspecto intangível de toda esta evolução foi a melhoria da nossa imagem, com o acréscimo de valor que tal facto acarreta.

Como conclusão, poder-se-ia afirmar que o projecto E! 3288 – EUREKA IZARO foi o impulsor de uma nova realidade para a Softi9. Através do desenvolvimento de produtos inovadores, a Softi9 passou a competir e a marcar presença no mercado global."

(Depoimento prestado por Jorge Serrano Pinto, SOFTI9)

ROUND THE CLOCK - 24 HOURS COLLABORATIVE PRODUCT DEVELOPMENT WORK PROJECT.

To Achieve 24 Hour, Non-Stop Work Based On Collaborative Work Between Companies Established In Different Parts Of The World Using The Most Efficient Communication Techniques.

PARTNERS

MAIN PARTNER PT - SETSA - SOC. DE ENGENHARIA E TRANSF. S.A. (IBEROMOLDES)

PT - CEN. TEC. da Indústria de Moldes e Ferramentas Esp. e Plast. (CENTIMFE)

MX - IBEROTEC S.A.

DE - Olho-Technik-Olef-Holtmann, Ohg

CN - GMI - Guangdong Research Institute of Machinery of Ghanghou

CN - DSC - Dongguan Science and Technology Commission

"O projecto E! 1977 – Factory "Round-the-Clock" foi um projecto de enorme sucesso e extrema relevância para a IBEROMOLDES na medida em que nos permitiu criar uma metodologia de trabalho completamente inovadora na área da Concepção e Desenvolvimento do Produto, baseada em trabalho colaborativo permanente – nas 24 horas do dia - entre empresas e instituições tecnológicas localizadas em diferentes partes do globo, separadas por cerca de 8 horas de diferença horária e transformar distância e diferença horária em valor acrescentado.

Pode-se dizer que ainda hoje a IBEROMOLDES nas suas actividades quotidianas e na resposta ao Mercado usa a metodologia e sente os impactos de ter participado neste projecto. O "Round-the-Clock" continua a ser um projecto de referência. As actividades de I&DT desenvolvidas no âmbito deste projecto e o networking "estendido" que gerou, permitiram à IBEROMOLDES ganhos de competitividade a vários níveis: na flexibilidade e agilidade da comunicação inter-grupos de trabalho e maior envolvimento das pessoas em trabalho de equipas multiculturais; organização, gestão e planeamento de tarefas mais eficiente; recurso a conhecimento distribuído; mapeamento de conhecimentos e especializações diversas distribuídos pelo mundo; partilha do conhecimento; utilização de plataformas comuns em sistemas CAD, CAE e CAM, e aplicação de metodologias de Engenharia Simultânea baseados em sistemas e métodos de comunicação avançada.

Os benefícios deste projecto traduziram-se fundamentalmente na maximização do uso de recursos técnicos e tecnológicos de "baixo-custo", no efeito e benefícios económicos do "just-in-time" e da resposta assertiva ao mercado, pelo uso das 24 horas de trabalho contínuo de interparcer em regime de equipas virtuais distribuídas por três zonas horárias do mundo.

No que se refere aos benefícios tecnológicos registou-se uma optimização dos sistemas de comunicação já em uso, mas com intensiva focalização na optimização de metodologias de trabalho colaborativo e pelo desenvolvimento de metodologias de controlo e de planeamento de tarefas em ambiente distribuído e multicultural. Os benefícios económicos e de proximidade ao mercado ganharam uma nova dimensão e potencialidade. Registou-se uma redução do período de desenvolvimento de produto, lançamento mais rápido do produto no mercado, produto mais próximo das necessidades do mercado, uma redução de custos em geral e adensou-se o trabalho em rede colaborativa com potencialidades de acesso a novos saberes e competências de forma "estendida" – virtualizada mas sempre acessível.

Em termos genéricos, este projecto permitiu gerar uma rede internacional de cooperação entre entidades de nacionalidades diferentes, nomeadamente Portugal, Alemanha, México e China, tendo sido mais tarde estendida ao Brasil. Também no campo da investigação organizacional, este projecto deu lugar à tese de doutoramento do Prof. João Vieira da Cunha na Sloan School Of Management em Organizational Improvisation e à publicação de trabalhos e livros de referência."

(Depoimento prestado por Joaquim Menezes, Iberomoldes)

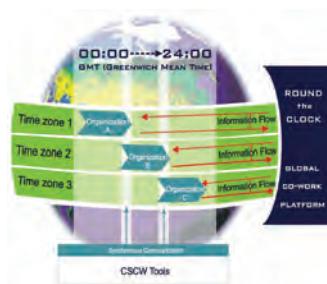
E! 1977 FACTORY ROUND THE CLOCK

START DATE >

01-07-1998

TOTAL COST >

4.24 M€



E! 4519 SAFE LUGGAGE

START DATE >
01-09-2008

TOTAL COST >
0.6 M€



SAFE LUGGAGE PROJECT

To Create A Tracking And Tracing System For Luggage. This Can Be Made Possible With The Incorporation Of An Identification Device In The Bag. This System Will Be Inviolable, Compatible With International Standards And Use State-Of-The-Art Technologies.

PARTNERS

MAIN PARTNER PT - SETSA - SOC. DE ENGENHARIA E TRANSF. S.A. (IBEROMOLDES)

PT - Critical Software S.A.

PT - ANA - Aeroportos de Portugal S.A.

PT - INESC Inovação, Instituto de Novas Tecnologias

PT - TECMIC - Tecnologias de Microelectrónica, S.A.

PT - PIEP ASSOCIAÇÃO - Polo de Inovação em Engenharia de Poímeros

CH - International Air Transport Authority (IATA)

"O projecto E! 4519 - Safe Luggage ainda se encontra em execução. No entanto, este projecto tem vindo a permitir desenvolver competências ao nível da conceção de produtos com componentes electrónicos embutidos, consolidando áreas de engenharia, desenvolvimento e produção de ferramentas para termoplásticos, assim como ao nível da injecção de termoplásticos sobre esse tipo de componentes.

Em termos de impacto, o presente projecto pode já perspectivar interessantes áreas de aplicação adicional e classificá-lo como bastante positivo na medida em que permite alavancar e ganhar outras competências técnicas e nichos de aplicação, e reforçar o posicionamento que a nossa empresa já detém no mercado onde se insere.

Procuramos a diferenciação dos nossos produtos e serviços. Assim, a diferenciação é uma busca permanente, incentivando-se de forma horizontal a organização a inovar - "create uncontested market space and make the competition irrelevant".

Desde a sua fundação – no seu próprio processo de criação enquanto grupo empresarial - o Grupo IBEROMOLDES apostou na Inovação. Pensar, desenvolver e aplicar Inovação é muito mais do que participar em projectos de I&DT, é cultivar pela discussão e transportar para dentro da organização as experiências e os novos saberes decorrentes dessas actividades, convertendo-os em produtos e serviços de valor acrescentado e diferenciação no mercado.

O projecto E! 4519 - Safe Luggage tem permitido aumentar competências pelo contacto com outras tecnologias e processos inovadores, que reforçam a nossa capacidade de trabalho em contextos até agora alheios ao core business do Grupo proporcionando abertura de outras oportunidades de negócio em novas áreas, altamente competitivas.

O sucesso deste projecto está a ser alcançado pela oportunidade de se estar a desenvolver um produto completamente inovador, tanto em termos de design como em termos funcionais, e pelo facto de ser um projecto em que a parceria com outras Empresas e entidades do Sistema Científico e Tecnológico, nos permite exercitar uma das principais características do nosso Grupo – o trabalho em rede. Este último nível permite à empresa continuar a desenvolver plataformas de conhecimento e promover em partilha de interesse comum a transferência de conhecimento no seio da colaboração activa com as outras Empresas e entidades do Sistema Científico e Tecnológico.

De um modo geral, o lançamento desta nova aplicação e a sua implementação numa funcionalidade distinta num "velho" produto, alicerçado em actividades de I&DT, permitirá ao consórcio um posicionamento privilegiado, catapultando a imagem, credibilidade e competitividade das entidades promotoras."
(Depoimento prestado por Joaquim Menezes, Iberomoldes)

AN OPEN PLATFORM FOR THE SEMANTIC WEB

OpenSem aims at gathering and leveraging the best of “Semantic Web” technologies (Computer Service interoperability, Meaning Extraction, NL Computer Interaction or XML schema to describe taxonomies) to dramatically improve web content richness end-users experience.

PARTNERS

MAIN PARTNER FR – EXALEAD S.A.

PT – PRIBERAM Informática, S.A.
FR – SYNAPSE Developpement

“Embora só termine no segundo trimestre de 2011, o balanço até agora é positivo, enquadrando-se o projecto naquela que é hoje a área de negócio em que a Priberam mais tem investido nos últimos anos: os motores de pesquisa semânticos.

A participação no OpenSem teve como resultado a manutenção de um conjunto de actividades de I&D e até mesmo o seu reforço em algumas áreas, que seriam difíceis de prosseguir, no contexto actual, sem o enquadramento num projecto desta natureza.

Por outro lado, a troca de ideias e experiências feita entre os parceiros no âmbito do projecto tem permitido melhorar o Priberam Search, o motor de pesquisa da Priberam, tornando-o cada vez mais competitivo. Já no decurso do projecto, o Priberam Search foi integrado nos sites de dois dos maiores grupos de média portugueses.

O facto de a Exalead estar presente em vários mercados, será também uma forma de a Priberam poder chegar a alguns deles nomeadamente aos de língua espanhola quer na Europa quer na América (do Sul e do Norte).

Embora a Priberam já tenha conseguido incorporar alguns resultados do projecto em produtos, nomeadamente o Priberam Search, prevemos que no espaço de um ano após o fim do projecto estejamos em condições de vir a integrar outros resultados mais ambiciosos, como a análise de sentimentos.

(Depoimento prestado por Carlos Amaral, Priberam)

A

E! 4276
OPENSEM

START DATE >
01-07-2008

TOTAL COST >
1.61 M€



ANEXOS | APPENDICES

| | |
|--|------------|
| I - Declaração de Hannover (1985) <i>I - Hannover Declaration</i> | 073 |
| II – EUREKA Annual Review 2010 (link a documento) <i>II – EUREKA Annual Review 2010 (link to document)</i> | 083 |
| III – Imagens dos 25 anos na Iniciativa EUREKA <i>III – Images of 25 years in the EUREKA Initiative</i> | 085 |
| IV - Projectos EUREKA com Participação portuguesa (1985 -2010) <i>IV - List of EUREKA projects with Portuguese participants</i> | 089 |
| V - Entidades portuguesas que participaram em Projectos EUREKA <i>V - List of Portuguese entities that took part in EUREKA projects</i> | 225 |

DECLARAÇÃO DE HANNOVER (1985)

HANNOVER DECLARATION

Reprint of Annex 1 to Communiqué of Hanover MC

6 November 1985

Declaration of Principles relating to EUREKA
adopted at Hannover, 6 November 1985

EUREKA was established by a Conference of Ministers of 17 countries and Members of the Commission of the European Communities, meeting in Paris on 17 July 1985.

Meeting in Hannover on 5 and 6 November 1985, Ministers of 18 countries and a Member of the Commission of the European Communities agreed as follows:

I. Objective

The objective of EUREKA is to raise, through closer cooperation among enterprises and research institutes in the field of advanced technologies, the productivity and competitiveness of Europe's industries and national economies on the world market, and hence strengthen the basis for lasting prosperity and employment: EUREKA will enable Europe to master and exploit the technologies that are important for its future, and to build up its capability in crucial areas.

This will be achieved by encouraging and facilitating increased industrial, technological and scientific cooperation on projects directed at developing products, processes and services having a world-wide market potential and based on advanced technologies.

EUREKA projects will serve civilian purposes, and be directed both at private and public sector markets.

- 2 -

II. Focus and criteria

1. EUREKA projects will initially relate primarily to products, processes and services in the following areas of advanced technology: information and telecommunication, robotics, materials, manufacturing, biotechnology, marine technology, lasers, environmental protection and transport technologies.
EUREKA will also embrace important advanced technology research and development projects aimed at the creation of the technical prerequisites for a modern infrastructure and the solution of transboundary problems.
2. EUREKA is open to all efficient capacities including those existing in small and medium-sized enterprises as well as in smaller research institutes, in which many of the innovative technological products and processes are initiated.
3. The exchange of technologies between European enterprises and institutes is a prerequisite for a high technological standard of European industry. EUREKA projects will encourage and enlarge this exchange.
4. EUREKA projects will satisfy the following criteria:
 - Compliance with the objectives set out above,
 - cooperation between participants (enterprises, research institutes) in more than one European country,
 - some identified expected benefit from pursuing the project on a cooperative basis,
 - the use of advanced technologies,
 - the aim of securing a significant technological advance in the product, process or service concerned,
 - appropriately qualified participants - technically and managerially,
 - adequate financial commitment by participating enterprises.

- 3 -

III. General conditions

1. EUREKA will receive suitable support by the Governments of the participating countries and by the European Communities.
2. The establishment of a large homogeneous, dynamic and outward-looking European economic area is essential to the success of EUREKA.
3. Completion of the internal market of the European Communities and the implementation of the Luxembourg declaration between the European Communities and EFTA countries will therefore benefit EUREKA.

In particular this means that EUREKA should lead to an acceleration of ongoing efforts to

 - elaborate joint industrial standards at an early stage,
 - eliminate existing technical obstacles to trade, inter alia by the mutual recognition of inspection procedures and certificates,
 - open up the system of public procurement.
4. The European Communities and the Governments of the countries participating in EUREKA will examine the possibility of additional supportive measures for EUREKA.
5. Actions in the framework of EUREKA will be carried out in accordance with the principles of international free competition.

IV. Project implementation and co-ordination

1. The projects

- 1.1 EUREKA projects will be prepared by an intensive exchange of information among enterprises, institutes and - where appropriate - potential users. In this context the establishment of industrial fora in certain sectors could help to identify possible EUREKA projects.
- 1.2 Governments and the Commission will support the exchange of information so as to inform all interested parties of / envisaged projects.
- 1.3 EUREKA projects finally will result from the consultations among relevant parties. The enterprises/institutes concerned will carry out the projects in groups chosen by them.
- 1.4 The parties to a EUREKA project will determine the form of co-operation according to the specific requirements. The parties will likewise be responsible for determining the nature of the project management and for providing their own administrative support.
- 1.5 The enterprises/institutes participating in a EUREKA project will finance the project from their own funds, the capital market and any public funds made available to them.
- 1.6 Governments of countries of enterprises/institutes participating in an agreed project, and the Commission of the European Communities when appropriate, will establish its compliance with the objectives and criteria laid down for EUREKA. They will then jointly inform the

...

- 5 -

Conference of Ministers through the High Representatives meeting as a group. Such information will include a project description, an analysis of compliance with the objectives and criteria of EUREKA, and an indication of any additional measures involving third parties. Projects requiring such additional measures may be discussed by the High Representatives on the request of any one of them. The procedures will be reviewed in the light of the experience gained.

- 1.7 After such notification EUREKA projects should, however, remain open to other parties, should the project partners so desire.

2. Organization

- 2.1 The co-ordinating body is the EUREKA Conference of Ministers. Its members will be representatives of Governments of the participating countries and of the Commission of the European Communities.

At the end of each meeting the Conference of Ministers will choose the chairman of the next meeting. The chairman will ensure continuation of the work.

It will be the responsibility of the Conference of Ministers to develop further the substance, structures and goals of EUREKA and to assess the results.

- 2.2 High Representatives of each of the participating countries and of the Commission of the European Communities will meet when necessary as a group in order to assist the Conference of Ministers in carrying out its tasks and prepare its meetings, including a briefing on projects to be notified to the Conference of Ministers.

The chairman of the group will have the same nationality as the chairman of the next Conference of Ministers.

The High Representatives, in accordance with national procedures, will make suitable arrangements to

- promote the necessary flow of information in their own country,
- arrange contacts between enterprises and institutes in countries participating in EUREKA, provide the requisite information and promote the implementation of projects,
- inform the other High Representatives and point out sectors, technologies, products or services for which there is a declared interest in co-operation,
- provide the other High Representatives with information on the preparation of EUREKA projects,
- discuss with other High Representatives solutions to any problems and exchange views on project funding.

Meetings of the High Representatives concerned may be held to discuss specific projects.

2.3 A small and flexible EUREKA secretariat or task force under the responsibility of the EUREKA Conference of Ministers will be established to enhance the transparency and efficiency of EUREKA^{*)}. Among its tasks will be

- to collect and to disseminate information, thus offering the services of a clearing house
- to assist enterprises and institutes in establishing contacts with partners for EUREKA projects

^{*)} The High Representatives acting as a group, are requested to discuss ways of setting up such a secretariat by the end of January 1986.

...

- 7 -

- to give support to meetings of the Conference of Ministers and of the High Representatives
- to provide for continuity in the tasks to be performed.

The composition of the Secretariat should reflect the participation of EC and non-EC members in EUREKA. The relationship with the European Communities as well as possible support by industry from participating countries should be taken into account.

V. Relationship between EUREKA, the European Communities and existing European co-operative arrangements

1. EUREKA projects are not intended as a substitute for existing European technological co-operation, such as programmes sponsored by the European Communities, COST, CERN, ESA projects, bilateral or multilateral co-operative projects, or its further development. Their purpose is instead to extend or supplement it.
2. The European Communities may participate as a partner in EUREKA, e. g. through their own research capacity, research and development programmes and financial facilities.
3. The creation of suitable general conditions in the European Communities and in the participating countries concerned and of an environment conducive to technological co-operation is a particular prerequisite for success of the EUREKA initiative.

EUREKA ANNUAL REVIEW 2010
EUREKA ANNUAL REVIEW 2010

CLIQUE NA IMAGEM | CLICK ON THE IMAGE



EUREKA Annual Review 2010



IMAGENS DOS 25 ANOS NA INICIATIVA EUREKA

*IMAGES OF 25 YEARS
IN THE EUREKA INITIATIVE*

IMAGENS DOS 25 ANOS NA INICIATIVA EUREKA | IMAGES OF 25 YEARS IN THE EUREKA INITIATIVE

CLIQUE NAS IMAGENS | CLICK ON THE IMAGES



25 years of EUREKA:
A New ERA of European Innovation



1^a Presidência da Iniciativa EUREKA
97 / 98



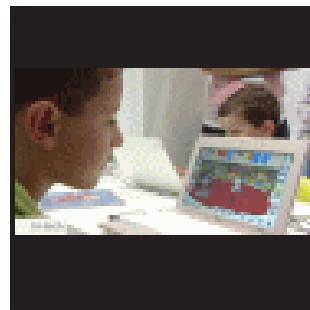
PORTUGAL
2008/09
PORTUGUESE CHAIRMANSHIP



1^a Presidência Portuguesa
da Iniciativa EUREKA – 1997/98



2^a Presidência Portuguesa
da Iniciativa EUREKA – 2008/09



EUREKAmetsASIA



(1985 -2010)
PROJECTOS EUREKA COM
PARTICIPAÇÃO PORTUGUESA
*LIST OF EUREKA PROJECTS WITH
PORTUGUESE PARTICIPANTS*



COMMUNICATIONS

ANNOUNCED T. Cost (M€)

| | | | | | |
|----------------|--|---|--|---------------|-------|
| E! 1977 | FACTORY ROUND THE CLOCK | ROUND THE CLOCK - 24 HOURS COLLABORATIVE PRODUCT DEVELOPMENT WORK PROJECT. | To Achieve 24 Hour, Non-Stop Work Based On Collaborative Work Between Companies Established In Different Parts Of The World Using The Most Efficient Communication Techniques. | 98 LISBON | 4,24 |
| E! 4948 | MOBILE-GEO PPP | HIGH PRECISION POSITIONING PRODUCT WITH ENHANCED MOBILE INTERFACES FOR SURVEYING | The Mobile-Geo Ppp Aims To Develop A Product For High-Precision Positioning In Mobile Devices To Be Applied In Surveying (Topography And Cadastral) Which Includes Enhanced Graphical Front-End (Mobile-Geo Positioning) And A Receiver Based On Precision Real-Time Techniques (Ppp). | 09 LISBON | 0,59 |
| E! 8 | COSINE | COOPERATION FOR OPEN SYSTEMS INTERCONNECTION NETWORKING IN EUROPE | Integrated Computer Communication Network/Associated Server/ Equipment Transcending National Borders Using Public Data Networks Provided By European Ptts To Support Research Collaboration Between Universities/ Research Organisations | 85 HANOVER | 36,93 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|---|---------|----------------------|------------------|
| SETSA - SOC. DE ENGENHARIA E TRANSF. S.A. (IBEROMOLDES) | Main | Large company | PORTUGAL |
| CEN.TECN. DA INDUSTRIA DE MOLDES E FERRAMENTAS ESP. E PLAST. (CENTIMFE) | Partner | Research Institute | PORTUGAL 53 |
| OLHO-TECHNIK-OLEF-HOLTMANN, OHG | Partner | SME | GERMANY 15 |
| IBEROTEC S.A. | Partner | SME | MEXICO 15 |
| GMI - GUANGDONG RESEARCH INSTITUTE OF MACHINERY OF GHANGHOU | Partner | Research Institute | CHINA |
| DSC - DONGGUAN SCIENCE AND TECHNOLOGY COMMISSION | Partner | Governm./Nat. Admin. | CHINA 17 |
| EVOLVE SPACE SOLUTIONS, LDA | Main | SME | PORTUGAL |
| ESTEREOFOTO, GEOENGENHARIA S.A. | Partner | SME | PORTUGAL 49 |
| SEPTENTRIOSATELLITE NAVIGATION NV | Partner | SME | BELGIUM 51 |
| THE EUROPEAN COMMISSION - DG XIII | MAIN | Governm./Nat Admin. | UE 45 |
| BUNDESMINISTERIUM FUER WISSENSCHAFT UND FORSCHUNG (BMFW) | Partner | Governm./Nat. Admin. | AUSTRIA 4,3 |
| OFFICE OF FEDERAL SCIENCE POLICY / POD WETENSCHAPSBELEID / SSP POLITIQUE SCIENTIFIQUE | Partner | Governm./Nat. Admin. | BELGIUM 3,4 |
| BUNDESAMT FUER BILDUNG UND WISSENSCHAFT | Partner | Governm./Nat. Admin. | SWITZERLAND 4,7 |
| DFN-VEREIN | Partner | Large company | GERMANY 7,2 |
| UNI-C (EDB-CENTER FOR FORSKNING OG UDDANNELSE) | Partner | Research Institute | DENMARK |
| MINISTRY OF RESEARCH AND TECHNOLOGY | Partner | Governm./Nat. Admin. | DENMARK 0,89 |
| SECRETARIA DE ESTADO DE UNIVERSIDADES E INVESTIGACION | Partner | Governm./Nat. Admin. | SPAIN 3,2 |
| MINISTRY OF EDUCATION | Partner | Governm./Nat. Admin. | FINLAND 1,6 |
| SECRETARIAT D'ETAT A LA RECHERCHE | Partner | Governm./Nat. Admin. | FRANCE 3 |
| DEPARTMENT OF TRADE AND INDUSTRY (DTI) | Partner | Governm./Nat. Admin. | U. KINGDOM |
| DEPARTMENT OF TRADE AND INDUSTRY (DTI) | Partner | Governm./Nat. Admin. | U. KINGDOM 6,1 |
| MIN.OF INDUSTRY, ENERGY & TECHNOLOGY/GEN.SEC. F.RES. & TECH. | Partner | Governm./Nat. Admin. | GREECE 0,3 |
| ENTERPRISE IRELAND | Partner | Governm./Nat. Admin. | IRELAND |
| UCD - ADVANCED MANUFACTURING TECHNOLOGY CENTRE UNIVERSITY COLLEGE DUBLIN | Partner | University | IRELAND 0,25 |
| UNIVERSITY OF ICELAND COMPUTER CENTRE | Partner | University | ICELAND |
| SURIS (ASSOCIATION FOR RESEARCH NETWORKING IN ICELAND) | Partner | Research Institute | ICELAND 0 |
| CNUCE-CENTRO NAZIONALE UNIVERSITARIO DI CALCOLO ELETTRONICO | Partner | Research Institute | ITALY 7,2 |
| MINISTÈRE DES AFFAIRES CULTURELLES | Partner | Governm./Nat. Admin. | LUXEMBOURG |
| MINISTÈRE DE L'EDUCATION NATIONALE ET DE LA JEUNESSE | Partner | Governm./Nat. Admin. | LUXEMBOURG 0,06 |
| MINISTERIE VAN WETENSCHAP EN ONDERWIJS | Partner | Governm./Nat. Admin. | NETHERLANDS 4,2 |
| MINISTRY OF EDUCATION AND SCIENTIFIC AFFAIRS | Partner | Governm./Nat. Admin. | NORWAY 2,2 |
| LABORATORIO NACIONAL DE ENGENHARIA CIVIL | Partner | Research Institute | PORTUGAL |
| UNIVERSIDADE DO MINHO/DEPARTAMENTO DE INFORMATICA | Partner | University | PORTUGAL 0,49 |
| INFOLOGICS AB (STOCKHOLM) | Partner | Large company | SWEDEN |
| TELIA RESEARCH AB/KGS | Partner | Governm./Nat. Admin. | SWEDEN 4,9 |
| INSTITUTE JOZEF STEFAN / ELECTRONIC CERAMICS DEPARTMENT (K5) | Partner | Research Institute | SLOVENIA 1 |

COMMUNICATIONS

| | | | ANNOUNCED | T. Cost (M€) |
|----------------|-----------|--|--|-----------------------|
| E! 151 | HQ CODEC | HIGH QUALITY SPEECH CODECS AT MEDIUM To LOW BIT RATES | Speech Coding Schemes For High Quality Speech. Evaluation Of Algorithms By Simulation. Study Scheme Requirements With Respect To Application-Specific Integrated Circuits (Asics). | 88 COPENHAGEN 1 |
| E! 325 | GALILEO | GALILEO | New Generation Computerized Distribution System To Meet The Total Future Needs Of The Travel Industry. | 89 VIENNA 69 |
| E! 1061 | EUROCAIRN | EUROPEAN COOPERATION FOR ACADEMIC AND INDUSTRIAL RESEARCH NETWORKING | To Improve Pan-European Computer Networks For Researchers By Introducing Advanced Network Technologies (At 34 Mbit/S And And Beyond)/Applications; Improving The Quality Of Services And Establishing An Appropriate Management Environment. | 93 PARIS 0,92 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|---|---------|----------------------|------------------|
| PHILIPS-KOMMUNIKATIONS-INDUSTRIE AG | Main | Large company | GERMANY |
| UNIV. ERLANGEN-NUERNBERG/LEHRSTUHL FUER NACHRICHTENTECHNIK | Partner | University | GERMANY |
| RWTH - LEHRSTUHL FUER INFORMATIK IV RHEINISCH-WESTFAELISCHE TECHNISCHE HOCHSCHULE | Partner | University | GERMANY |
| RUB - LEHRSTUHL FUER NACHRICHTENTECHNIK RUHR UNIVERSITAET BOCHUM | Partner | University | GERMANY |
| INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES (LISBOA) | Partner | Research Institute | PORTUGAL |
| GALILEO INTERNATIONAL / GALILEO CENTRE EUROPE | Main | Large company | U. KINGDOM |
| AUSTRIAN AIRLINES | Partner | Large company | AUSTRIA |
| SWISSAIR AG | Partner | Large company | SWITZERLAND |
| BA - BRITISH AIRWAYS | Partner | Large company | U. KINGDOM |
| OLYMPIC AIRWAYS | Partner | Large company | GREECE |
| AER LINGUS | Partner | Large company | IRELAND |
| ALITALIA S.P.A. | Partner | Large company | ITALY |
| KLM - ROYAL DUTCH AIRLINES N.V. | Partner | Large company | NETHERLANDS |
| TAP AIR PORTUGAL - DIRECCAO COMERCIAL | Partner | Large company | PORTUGAL |
| COVIA CORPORATION | Partner | Large company | U.S.A. |
| THE EUROPEAN COMMISSION - DG XIII | Main | Governm./Nat. Admin. | UE |
| BUNDESMINISTERIUM FUER WISSENSCHAFT UND FORSCHUNG (BMFW) | Partner | Governm./Nat. Admin. | AUSTRIA |
| OFFICE OF FEDERAL SCIENCE POLICY / POD WETENSCHAPSBELEID / SSP POLITIQUE SCIENTIFIQUE | Partner | Governm./Nat. Admin. | BELGIUM |
| UNIVERSITE DE GENEVE/CENTRE UNIVERSITAIRE D'INFORMATIQUE | Partner | University | SWITZERLAND |
| BUNDESMINISTERIUM FUER BILDUNG UND FORSCHUNG | Partner | Governm./Nat. Admin. | GERMANY |
| CSIC - RED IRIS / CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS | Partner | Research Institute | SPAIN |
| MINISTRY OF EDUCATION | Partner | Governm./Nat. Admin. | FINLAND |
| JOINT INFORMATION SYSTEMS COMMITTEE | Partner | Governm./Nat. Admin. | U. KINGDOM |
| HUNGARIAN ACADEMY OF SCIENCES/R&D INFORM. INFRASTRUCT. PROG. | Partner | Research Institute | HUNGARY |
| ENTERPRISE IRELAND | Partner | Governm./Nat. Admin. | IRELAND |
| CNUCE-CENTRO NAZIONALE UNIVERSITARIO DI CALCOLO ELETTRONICO | Partner | Research Institute | ITALY |
| MINISTRY OF EDUCATION AND RESEARCH | Partner | Governm./Nat. Admin. | LUXEMBOURG |
| MINISTERIE VAN WETENSCHAP EN ONDERWIJS | Partner | Governm./Nat. Admin. | NETHERLANDS |
| ROYAL NORWEGIAN MIN. OF EDUCATION, RESEARCH & CHURCH AFFAIRS | Partner | Governm./Nat. Admin. | NORWAY |
| FCCN - NATIONAL FOUNDATION FOR SCIENTIFIC COMPUTATION | Partner | Research Institute | PORTUGAL |
| ADI - AGENCIA DE INOVACAO | Partner | Governm./Nat. Admin. | PORTUGAL |
| UMDAC - SWEDISH UNIVERSITY NETWORK (SUNET) | Partner | Governm./Nat. Admin. | SWEDEN |
| MINISTRY OF ECONOMY - SECTOR FOR TECHNOLOGICAL DEVELOPMENT AND INNOVATION | Partner | Governm./Nat. Admin. | SLOVENIA |
| TUBITAK - SCIENTIFIC & TECHNICAL RESEARCH COUNCIL OF TURKEY (TUBITAK) | Partner | Governm./Nat. Admin. | TURKEY |

COMMUNICATIONS

ANNOUNCED

T. Cost (M€)

| | | | | | | |
|----------------|-------------------------|---|--|----|--------|------|
| E! 1585 | ALTERN | REMOTELY-CONTROLLED POWER SUPPLY FOR DIGITAL NETWORKS | Highly Reliable Power Supply For Telecommunication Systems And All Kinds Of Equipment For Digital Networks. | 97 | LONDON | 1,35 |
| E! 1792 | MULTIMEDIA MERCURIO | INTEGRATED LOGISTICS MANAGEMENT VIA THE INTERNET | Creating A Computer Application And Virtual Space On The Internet That Will Provide A Meeting Point For Companies Involved In Distribution And Commerce And So Improve The Work Of The Logistics Operator. | 98 | LISBON | 1,3 |
| E! 1943 | MULTIMEDIA TOURIST-GEST | TOURIST INTEGRAL MANAGEMENT SYSTEM VIA INTERNET | A Flexible Information Interchange System For Tourism, Based On Internet/Intranet Technologies. | 98 | LISBON | 0,91 |

ENERGY TECHNOLOGY

ANNOUNCED

T. Cost (M€)

| | | | | | | |
|----------------|----------------|---|---|----|--------|------|
| E! 1995 | MAGESCLI | SMALL POWER SOLAR AND GAS REVERSIBLE ABSORPTION COOLING MACHINE. | Development Of An Ammonia/Water-Based Absorption Nh ₃ /H ₂ O Reversible And Air Cooled Machine For Air Conditioning In Small Power Applications - 6kw; Operation With Cpc Technology And Natural Gas. | 98 | LISBON | 0,82 |
| E! 4555 | SAFENERGY | INCREASED LIFETIME SAFETY AND RELIABILITY OF CONVENTIONAL AND NUCLEAR POWER GENERATION PLANTS | To Provide The Foundation To Enable The Development Of Novel Ndt Techniques For Inspection Of Power Generation Plants, Including The Development Of Inspec Systems Based On A Combination Of Tofd And Phased Array. Ventilation Systems For Inspection Based On Cheaper Carbon Absorbers Will Be Developed. | 09 | LISBON | 3 |
| E! 4937 | NANOSI-PVCELLS | DEVELOPMENT OF NANO-STRUCTURED, HYBRID AND FLEXIBLE HIGH EFFICIENCY AND LOW COST SOLAR CELLS. | To Develop Photovoltaic Solar Modules And Production Processes For: *Large Area/Low Cost Innovative Nano-Structured Si Pin Devices Increasing Efficiencies From 7 To Above 10%; *Hybrid Junctions To Take Efficiencies Further And Gain Other Product Characteristics Like Transparency; *Flexible Pv. | 10 | BERLIN | 3,59 |
| E! 4949 | ENERESCOLAS | ENERESCOLAS | The Intended Project Proposes To Create A Multi Utility Solution For Energy Monitoring - Electricity, Water And Gas - In School Buildings. This Information Will Be Crossed With Weather Information And Will Be Available To The Students Through Developed Pedagogical Software. | 09 | LISBON | 0,74 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|--|---------|--------------------|------------------|
| NOUVELLE SOCIETE SATEL S.A. | Main | SME | FRANCE 51,1 |
| TECNITROM | Partner | SME | PORTUGAL 48,9 |
| CENOCLAP LIMITED S.L. | Main | SME | SPAIN 70 |
| MEGALANDIA - MANUTENCAO E SERVICOS INFORMATICOS S.A. | Partner | SME | PORTUGAL |
| ASSOCIACAO DESENVOLVIMENTO DAS TELECOM. E TEC.DE INFORMATICA | Partner | Research Institute | PORTUGAL 3 |
| PORTMAR AGENCIA DE NAVEGACAO LDA. | Partner | Large company | PORTUGAL |
| CONSORCIO EUROPEO DE TECNOLOGIAS TURISTICAS CETT, S.A. | Main | SME | SPAIN 52,26 |
| SISTEMA DE INTERCAMBIO TURISTICO LDA. | Partner | SME | PORTUGAL 47,74 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|--|---------|--------------------|------------------|
| METALECEIA LDA. | Main | Large company | PORTUGAL |
| AO SOL ENERGIAS RENOVAVEIS LDA. | Partner | SME | PORTUGAL 63 |
| INSTITUTO SUPERIOR TECNICO/DEPARTAMENTO DE FISICA | Partner | University | PORTUGAL |
| BAYERISCHES ZENTRUM FUER ANGEWANDTE ENERGIEFORSCHUNG E.V. | Partner | Research Institute | GERMANY |
| BEKON GMBH | Partner | SME | GERMANY 37 |
| ISQ - INSTITUTO DE SOLDADURA E QUALIDADE | Main | Research Institute | PORTUGAL |
| REQUIMTE, Universidade Nova de Lisboa Faculdade Ciencia e Tecnologia | Partner | University | PORTUGAL 60 |
| EDP - Gestao da Producao de Energia, S.A. | Partner | Large company | PORTUGAL |
| ISQ Internacional | Partner | Research Institute | PORTUGAL |
| Georgian Technical University | Partner | University | GEORGIA 10 |
| OP 'Atomenergomash' | Partner | Large company | UKRAINE |
| Zaporizhzhya Nuclear Power Plant | Partner | Large company | UKRAINE |
| Electrod Ltd. | Partner | SME | UKRAINE 10 |
| Ukrainian State Research Institute of Geology / NATIONAL ACADEMY OF SCIENCES OF UKRAINE | Partner | Research Institute | UKRAINE |
| ASIGMA - Asesoria Servicios de Ingenieria,S.A. | Partner | SME | SPAIN 10 |
| CETE APAVE SUDEUROPE | Partner | Large company | FRANCE 10 |
| Solar Plus, Producao de Paineis Solares S.A. | Main | SME | PORTUGAL 75 |
| FCT-UNL-CENIMAT | Partner | Research Institute | PORTUGAL |
| F.O.R.T.H. / INSTITUTE OF ELECTRONIC STRUCTURES AND LASERS(IESL) | Partner | Research Institute | GREECE 25 |
| ISA - Intelligent Sensing Anywhere SA | Main | SME | PORTUGAL 65 |
| Take the Wind | Partner | SME | PORTUGAL |
| Sensinode OY | Partner | SME | FINLAND |
| Vaisala Corporation | Partner | Large company | FINLAND 35 |

ENERGY TECHNOLOGY

ANNOUNCED

T. Cost (M€)

| | | | | | |
|----------------|-----------|--|--|--------------|------|
| E! 2247 | SOLARTECH | DEVELOPMENT OF INTEGRATED, RENEWABLE ENERGY SYSTEMS TO MAKE INDUSTRIAL PROCESSES SELF-SUFFICIENT IN ENERGY. | Design And Development Of Combined Systems Of Renewable Energies That, Based On The Development Of New Collectors And Solar Panels, Integrate Thermal And Photovoltaic Solar Energy,Making Industrial Processes Self-Sufficient In Energy | 01 MADRID | 0,85 |
| E! 2491 | STG-FAN | GAS WATER HEATER WITH A STEAM-TURBINE-GENERATOR (STG) DEVELOPMENT TO SUPPLY POWER TO A FAN. | The Aim Is To Develop A Steam-Generator To Supply Power To A Gas Water Heater Equipped With A Fan. The Hdg-Fan Will Apply Kinetic Energy From A Steam Turbine To Generate Electric Energy For The Fan, Ignition And Electronic Control. | 01 MADRID | 1,12 |
| E! 4493 | ALGANOL | PRODUCTION OF BIOFUELS FROM MICRO-ALGAE WITH A HIGH CONTENT OF STARCH AND LIPIDS USING FLUE GAS CO ₂ AS A CARBON SOURCE | Combustion Carbon Dioxide From Municipal Waste Incinerators Will Be Converted Into Micro-Algal Biomass. Controlled Enhancement Of Algal Starch And Lipid Synthesis Enables Exploitation Of The Biomass As A Raw Material For Biofuel Production. | 09 LISBON | 1,36 |

ENVIRONMENT

ANNOUNCED

T. Cost (M€)

| | | | | | |
|---------------|-------------------|--|--|--------------|------|
| E! 367 | EUROCARE GRANITIX | STUDIES ON CONSERVATION OF GRANITIC ROCKS. APPLICATION TO THE MEGLITHIC MONUMENTS OF THE IBERIAN PENINSULA | Contribute To A Better Knowledge Of The Degradation Phenomena And Conservation Procedures Of Granitic Rocks In General And Megalithic Monuments In Particular. | 89 VIENNA | 3,67 |
|---------------|-------------------|--|--|--------------|------|

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|--|---------|--------------------|-------------------|
| INKOA SISTEMAS S.L. | Main | SME | SPAIN 70 |
| AO SOL ENERGIAS RENOVAVEIS LDA. | Partner | SME | PORTUGAL 15 |
| KINETRON B.V. | Main | SME | NETHERLANDS 62 |
| VULCANO TERMO-DOMESTICOS S.A. | Partner | Large company | PORTUGAL 38 |
| TERMIZO A.S. | Main | SME | CZECH REPUBLIC |
| ACADEMY OF SCIENCES / INST. OF MICROBIOLOGY | Partner | Research Institute | CZECH REPUBLIC |
| INSTITUTE OF CHEMICAL TECHNOLOGY (ICT) | Partner | University | CZECH REPUBLIC 81 |
| FUEL RESEARCH INSTITUTE | Partner | Research Institute | CZECH REPUBLIC |
| Zurich University of Applied Sciences (ZHAW) / Inst of Biotechnology (IBT) | Partner | University | SWITZERLAND 6 |
| UNIVERSIDADE DO MINHO/Centre of Biological Engineering | Partner | University | PORTUGAL 13 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|--|---------|----------------------|------------------|
| | Main | Research Institute | PORTUGAL |
| LABORATORIO NACIONAL DE ENGENHARIA CIVIL | | | |
| IICT - CENTRO DA CRISTOFOGRAFIA E MINERALOGIA (CCM) INSTITUTO DE INVESTIGACAO CIENTIFICA TROPICAL | Partner | Research Institute | PORTUGAL |
| Dept of Radiation Protection and Nuclear Safety Nuclear and Technological Institute | Partner | Research Institute | PORTUGAL |
| SIKA - INDUSTRIA QUIMICA S.A. (PORTO) | Partner | Large company | PORTUGAL 73 |
| UNIVERSIDADE DE EVORA/DEPARTAMENTO DE FISICA | Partner | University | PORTUGAL |
| INST.PORT.DO PATRIMONIO CULT./ARQUITECTONICO E ARQUEOLOGICO | Partner | Governm./Nat. Admin. | PORTUGAL |
| IRC - INSTITUTO BENTA DA ROCHA CABRAL/FACULDADE DE CIENCIAS | Partner | University | PORTUGAL |
| WACKER QUIMICA PORTUGESA S.A. | Partner | Large company | PORTUGAL |
| MATESICA - MATERIAIS SINTETICOS PARA CONSTRUCAO S.A. | Partner | Large company | PORTUGAL |
| UO - DEPARTAMENTO DE GEOLOGIA (DG) UNIVERSIDAD DE OVIEDO | Partner | University | SPAIN 27 |

ENVIRONMENT

ANNOUNCED

T. Cost (M€)

| | | | | | | |
|----------------|-------------------|--|--|----|-------------|------|
| E! 1121 | CAMICO | CONTROL OF ANAEROBIC MICROBE CORROSION, EFFECT OF BIOCIDES AT ENZYME, CELL AND BIOFILM LEVELS | Control Of Microbe Biocorrosion Process. Targets: Search For Mechanism In Biocorrosion; The Effect Of Biocides Of Industrial Interest At Different Levels (Enzymes/Cells/Bio-Films); Study Of Extracellular Polymeric Substances. | 94 | LILLEHAMMER | 0,23 |
| E! 1180 | CORKSORB | SUPER-ABSORBENT POLYMERS FOR AFFORESTATION IN ERODED ECOSYSTEMS | Optimization Of Super-Absorbent Polymer Synthesis Processes For Transplantation And Survival Of Young Cork Oaks In Forest Ecosystems Prone To Drought And Erosion. | 94 | LILLEHAMMER | 1,47 |
| E! 1697 | HFO | SIMULTANEOUS REMOVAL OF CARBON AND NUTRIENTS FROM WASTE WATER THROUGH HIGH FREQUENCY OXYGEN OSCILLATIONS (HFO) | Implement A Single Continuous Flow Process For Carbon And Nutrient Removal Through Hfo, Creating Transient Aerobic Zones In Biofilms/Aggregates. Process Control Optimization Through Mathematical Modelling, Validated At Lab./Full Scale | 97 | LONDON | 0,39 |
| E! 1850 | EUROMAR CARAVELA | DEVELOPMENT OF THE CAPACITY FOR LONG RANGE MISSION, TELE-MANAGED, AUTONOMOUS RESEARCH VESSEL LAUNCHING | Development And Production Of A Low-Cost Autonomous Research Vessel For Long Range Open Ocean Operation, Through A Resident, Pre-Programmed And/Or Tele-Managed Mission Plan, Using Standard Oceanographic Data Acquisition Equipment. | 98 | LIŠBON | 2,43 |
| E! 1893 | EUROMAR RADSEANET | RADAR MONITORING NETWORK OF THE STATE OF THE SEA IN THE COASTAL WATERS OF THE IBERIAN PENINSULA. | Set Up A Pilot Remote Sensing Sea State Monitoring Network Based On Coastal Radars. This Involves Setting Up Seven Radar Stations In Portugal Providing Real-Time Information And Connecting Them To The Existing Spanish Network. | 98 | LIŠBON | 1,1 |

| PARTICIPANTS | ROLE | CONTRIBUTION (%) |
|---|------------------------------|------------------|
| | Main Research Institute | PORUGAL |
| INSTITUTO DE BIOLOGIA EXPERIMENTAL E TECNOLOGIA | | |
| UNL - FACULDADE DE CIENCIAS E TECNOLOGIA (FCT) UNIVERSIDADE NOVA DE LISBOA | Partner University | PORUGAL 71 |
| CENTRO DE TECNOLOGIA QUIMICA E BIOLOGICA | Partner Research Institute | PORUGAL |
| GRACE DEARBORN S.A. | Partner Large company | SPAIN 5 |
| UNIVERSITY OF PORTSMOUTH/CHEMISTRY DEPARTMENT | Partner University | U. KINGDOM 24 |
| ICTPOL NUCLEO HOEPOR | | |
| ERENA LDA. | Partner SME | PORUGAL 85 |
| ESTACAO FLORESTAL NACIONAL | Partner Governm./Nat. Admin. | PORUGAL |
| TERRACOTTEM N.V. | Partner SME | BELGIUM 15 |
| INSTITUTO DE BIOLOGIA EXPERIMENTAL E TECNOLOGIA | | |
| GERAR - GESTAO DE REDES DE AGUAS E RESIDUOS, LDA. | Partner SME | PORUGAL 42 |
| CENTRO DE TECNOLOGIA QUIMICA E BIOLOGICA | Partner Research Institute | PORUGAL |
| UNIV.ROVIRA I VIRGILI/ESCOLA TEC. SUP. D'ENGINYERIA QUIMICA | Partner University | SPAIN 7 |
| HIFO-TECH A.S. | Partner SME | NORWAY 51 |
| UNIVERSITY OF AZORES/MARINE ENVIRONMENT & TECHNOLOGY LAB. | | |
| IST/DEPARTMENT OF ELECTRICAL ENGINEERING & COMPUTER SCIENCE INSTITUTO SUPERIOR TECNICO | Partner University | PORUGAL 70 |
| CONAFI - CONSTRUCAO NAVAL DE FIBRAS S.A. | Partner SME | PORUGAL |
| RINAIVE - REGISTRO INTERNACIONAL NAVAL S.A. | Partner SME | PORUGAL |
| ST - SYSTEM TECHNOLOGIES (SWIFT 943 LTD.) | Partner SME | U. KINGDOM 10 |
| SIMRAD A/S FISHERIES RESEARCH | Partner Large company | NORWAY 20 |
| IST - MARINE TECHNOLOGY AND ENGINEERING UNIT INSTITUTO SUPERIOR TECNICO/UNIVERSIDADE TECNICA DE LISBOA | | |
| INSTITUTO DE NOVAS TECNOLOGIAS | Partner Governm./Nat. Admin. | PORUGAL 58 |
| ADMNISTRACAO DO PORTO DE SINES | Partner SME | PORUGAL |
| OCEAN SENSWARE GKSS TECHNOLOGIEZENTRUM | Partner SME | GERMANY 1 |
| CLIMA MARITIMO | Partner Governm./Nat. Admin. | SPAIN 41 |

ENVIRONMENT

ANNOUNCED

T. Cost (M€)

| | | | | | |
|---------|------------------------------------|---|--|----------------|------|
| E! 1920 | INTELAIR | HYBRID SYSTEM FOR URBAN AIR POLLUTION MANAGEMENT: ARTIFICIALLY INTELLIGENT AND TRADITIONAL MODELLING | Two Approaches For The Calculation Of Air Concentrations In Urban Areas - Traditional (Gaussian Model) And A New Technique Using Artificial Intelligence Methods. They Will Be Combined In A Hybrid System For Air Quality Prediction. | 98 LISBON | 0,5 |
| E! 1974 | EUROAGRI RESINAS | REDUCING EFFLUENTS IN THE SUGAR INDUSTRY: NEW ALTERNATIVE SYSTEMS. | Develop Processes In Order To Decrease Effluents From Ion Exchange Resins Decolourisation In The Sugar Industry. These Processes Include Effluent Treatment With White-Rot Fungus And A New Resin Regeneration System. | 98 LISBON | 1,5 |
| E! 1981 | EUROMAR AQUACULTURE OFFSHORE | DEVELOPMENT OF OFFSHORE AQUACULTURE TECHNOLOGIES FOR HOSTILE ENVIRONMENTS. | The Aim Of The Project Is To Develop Offshore Aquaculture Technologies Adapted To Hostile Environments. The Test Area Will Be The Portuguese Coast, Off Peniche. A Marketable Prototype Cage Will Be Obtained. | 98 LISBON | 0,85 |
| E! 1992 | EUROCARE ANCIENT RENDERS | METHODOLOGIES FOR CHARACTERISATION MAINTENANCE AND REPAIR OF RENDERS FOR ANCIENT BUILDINGS. | Characterisation And Analysis Of Ancient Renders, Taking Into Account The Historic, Architectonic And Technological Aspects. Identification And Quantification Of The Main Characteristics To Be Reproduced. Test Methods. | 98 LISBON | 0,5 |
| E! 2054 | EUROENVIRON SURVEYOR | ON-LINE SURVEYING OF MULTIPLE, AUTOMATIC ANALYSING STATIONS TO IMPROVE WASTEWATER MANAGEMENT AND ENVIRONMENT. | Development Of Equipment, Procedures And Methods To Monitor Liquid Emissions In Wastewater Plants. Data Are Transmitted On-Line To A Distant Control Post, As Well As Plant Control So That Corrections Can Be Made In Due Time. | 99 ISTANBUL | 1,2 |

| PARTICIPANTS | ROLE | | | CONTRIBUTION (%) |
|---|---------|----------------------|------------|------------------|
| | Main | SME | PORTUGAL | |
| W. S. ATKINS PORTUGAL, CONSULTORES E PROJ. INTERNACION. LDA. | | | | |
| IDAD - INSTITUTO DO AMBIENTE E DESENVOLVIMENTO/ENVIRONMENT | Partner | University | PORTUGAL | 67,5 |
| UNIVERSITY OF MACAU/FACULTY OF SCIENCE AND TECHNOLOGY | Partner | University | CHINA | |
| NORTHEAST ELECTRIC POWER GROUP CORPORATION OF CHINA | Partner | SME | CHINA | |
| COMPANHIA DE ELECTRICIDADE DE MACAU, S.A.R.L. | Partner | Large company | CHINA | 15 |
| PEKING UNIVERSITY/INSTITUTE OF ENVIRONMENTAL ENGINEERING | Partner | University | CHINA | |
| UNITED KINGDOM METEOROLOGICAL OFFICE - CONSULTANT GROUP | Partner | Governm./Nat. Admin. | U. KINGDOM | 17,5 |
| RAR - REFINARIAS DE ACUCAR REUNIDAS S.A. | Main | Large company | PORTUGAL | 33 |
| LIGHT AND CHEMICAL INDUSTRY INSTITUTE | Partner | University | CHINA | 20 |
| SAINT LOUIS SUCRE | Partner | Large company | FRANCE | |
| APPLEXION | Partner | SME | FRANCE | 47 |
| OESNOR - PRODUCAO AQUICOLA S.A. | Main | SME | PORTUGAL | |
| PESCAGEST - PRODUCAO E GESTAO S.A. | Partner | SME | PORTUGAL | |
| INST.DE SCIENCIAS BIOMEDICAS ABEL SALZAR, DEP. PRODUCAO AQ. | Partner | University | PORTUGAL | 75 |
| IST - MARINE TECHNOLOGY AND ENGINEERING UNIT INSTITUTO SUPERIOR TECNICO/UNIVERSIDADE TECNICA DE LISBOA | Partner | University | PORTUGAL | |
| MARINTEK (NORWEGIAN MARINE TECHNOLOGY RESEARCH INSTITUTE) | Partner | Research Institute | NORWAY | |
| HELGELAND PLAST A/S | Partner | Large company | NORWAY | 25 |
| LABORATORIO NACIONAL DE ENGENHARIA CIVIL | Main | Research Institute | PORTUGAL | |
| STAP - REPARACAO, CONSOLIDACAO E MODIFICACAO DE ESTRUT. LDA. | Partner | SME | PORTUGAL | |
| MONUMENTA - CONS. E RESTAURO DO PATRIMON.ARQUITECTONICO LDA. | Partner | SME | PORTUGAL | 59 |
| OZ-DIAGN.,LEVANTAM.E CONTR.DE QUALE.M ESTRUTURAS E FUND.LDA. | Partner | SME | PORTUGAL | |
| LJUBLJANA UNIVERSITY/CIVIL ENGINEERING INSTITUTE (ZRMK) | Partner | University | SLOVENIA | |
| GRAS D.O.O. | Partner | SME | SLOVENIA | 35 |
| CENTRO DE ESTUDIOS Y EXPERIMENTACION DE OBRAS PUBLICAS LAB. CENTRAL DE ESTRUCTURAS Y MATERIALES | Partner | SME | SPAIN | 6 |
| CENTRO TECHN. DAS INDUSTRIAS TEXTEIS E DO VESTUARIO DE PORT. (Technological Centre for Textile and Clothing) | Main | Research Institute | PORTUGAL | |
| ARCOTEXTEIS-EMPRESA INDUSTRIAL DE SANTO TIRSO S.A. | Partner | Large company | PORTUGAL | 55 |
| TITURARIA E ACABAMENTOS VALE DE TABUAS LDA. | Partner | Large company | PORTUGAL | |
| MARMARA RESEARCH CENTER - ENERGY SYSTEM AND ENVIRONMENTAL | Partner | Research Institute | TURKEY | |
| ALTINYILDIZ TEXTILE AND APPAREL INC. | Partner | Large company | TURKEY | 45 |

ENVIRONMENT

ANNOUNCED

T. Cost (M€)

| | | | | | |
|----------------|------------------------------|---|---|--------------|-------|
| E! 4521 | EUROENVIRON CIVTRHI | INTEGRATED CENTRE FOR RECYCLING AND TREATMENT OF MEDICAL AND INDUSTRIAL HAZARDOUS WASTE | To Provide Environmentally Friendly Hazardous Waste Recycling And Treatment Services By Means Of An Integrated Centre (Carbon Free Pyrolysis Incineration, Energy Production And Recycling). The Location In Chamusca Ecopark Will Help Promote Local Industrial Symbiosis. | 09 LISBON | 28,83 |
| E! 4554 | PETROFUTURE | SAFE AND RELIABLE PETROCHEMICAL PLANTS FOR THE FUTURE | The Risk Of Failure In Industrial Plants, From Petrochemical To Power Production Sectors, Has A Wide Range Of Environmental And Economic Consequences. The Scope Of Petrofuture Is To Build A Dynamic Model And Specific Standards, For Accurate And Constant Upgrade R&B Approach. | 09 LISBON | 1,66 |
| E! 4997 | EUROAGRI+ State-of-the-olive | OLIVE OIL FOR THE WORLD | This Project Has As Leader The Portuguese Company Sovena Group And Has Six Participants From Eu And Non-Eu Countries. It Covers 6 Main R&D Areas Which Are Key In An Environment Of Continuous Process Of Optimisation And Adding Value Within The Olive Oil Chain (From Farm To Worldwide Distribution). | 09 LISBON | 3,1 |
| E! 5016 | iTEAMS | INTEGRATED TRANSPORTATION AND ENERGY ACTIVITY-BASED MODEL AND SIMULATION | To Develop An Integrated Model Of Land Use, Transportation, Resource-Consumption And Energy For The Evaluation Of A Range Of "Green Policies" Aimed At Enhancing Sustainability And Well-Being. | 09 LISBON | 0,2 |

| PARTICIPANTS | ROLE | CONTRIBUTION (%) |
|--|---------|----------------------------|
| SUCH | Main | Governm/Nat. Admin. |
| Eco-Partner S.A. | Partner | SME |
| INSTITUTO DE BIOLOGIA EXPERIMENTAL E TECNOLOGIA | Partner | Research Institute |
| LNEG | Partner | Research Institute |
| ENVIKRAFT A/S | Partner | SME |
| ISQ - INSTITUTO DE SOLDADURA E QUALIDADE | Main | Research Institute |
| ISQ Internacional | Partner | Research Institute |
| CIRES Companhia Industrial de Resinas Sintetics | Partner | Large company |
| ARGOS Ingenieria y Tecnologia de Materiales | Partner | SME |
| HIDROELECTRICA DEL CANTABRICO S.A. | Partner | Large company |
| SOVENA Group - S.G.P.S., S.A. | Main | SME |
| Logoplaste - Consultores Tecnicos, SA | Partner | Large company |
| INSTITUTO DE BIOLOGIA EXPERIMENTAL E TECNOLOGIA | Partner | Research Institute |
| BA Vidro. S.A. | Partner | Large company |
| ELAIA S.A. | Partner | SME |
| Soprolives | Partner | SME |
| University of Glasgow / Department of Plant Products and Human Nutrition | Partner | University |
| FCT-UC / FACULTADE DE CIENCIAS E TECNOLOGIA UNIVERSIDADE DE COIMBRA | Main | University |
| UNIVERSIDADE DE PORTO/FACULDADE DE ENGENHARIA | Main | University |
| Instituto Superior Tecnico / Universidade Tecnica de Lisboa (UTL) | Partner | University |
| EPFL - Ecole Polytechnique Federale de Lausanne | Partner | University |
| Massachusetts Institute of Technology | Partner | University |

ENVIRONMENT

ANNOUNCED

T. Cost (M€)

E! 7

EUROTRAC

EXPERIMENT
ON TRANSPORT/
TRANSFORMATION OF
ENVIRONMENTALLY
RELEVANT TRACE
CONSTITUENTS IN
THE TROPOSPHERE IN
EUROPE.

Experimental And Theoretical Determination Of The Distribution Of Primary And Secondary Air Pollutants In Order To Understand And Predict Their Chemical Transformation And Their Transport Over Europe.

85
HANOVER

100

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|---|---------|-------------------------|------------------|
| FRAUNHOFER-INSTITUT FUER ATMOSPHAERISCHE UMWELTFORSCHUNG | Main | Research Institute | GERMANY |
| UNI WIEN/INSTITUT FUER METEOROLOGIE UND GEOPHYSIK/UNIVERSITAET WIEN | Partner | University | AUSTRIA |
| TU WIEN/INSTITUT FUER EXPERIMENTALPHYSIK/TECHNISCHE UNIVERSITAET WIEN | Partner | University | AUSTRIA |
| TU WIEN/INSTITUT FUER ANALYTISCHE CHEMIE/TECHNISCHE UNIVERSITAET WIEN | Partner | University | AUSTRIA |
| AUSTRIAN RESEARCH CENTRES SEIBERSDORF GES.M.B.H. | Partner | Research Institute | AUSTRIA |
| UNIVERSITAET INNSBRUCK/INST. F. METEOROLOGIE UND GEOTECHNIK | Partner | University | AUSTRIA |
| ULG - INSTITUT D'ASTROPHYSIQUE/UNIVERSITE DE LIEGE | Partner | University | BELGIUM |
| KUL - DEPARTMENT OF CHEMISTRY/KATHOLIEKE UNIVERSITEIT LEUVEN | Partner | University | BELGIUM |
| UNIVERSITEIT ANTWERPEN/CHEMISTRY DEPARTMENT | Partner | University | BELGIUM |
| INSTITUT D'AERONOMIE SPATIALE | Partner | Research Institute | BELGIUM |
| RUG - INSTITUTE FOR NUCLEAR SCIENCES/RIJKS UNIVERSITEIT GENT | Partner | University | BELGIUM |
| UCL - INSTITUT D'ASTRONOMIE ET DE GEOPHYSIQUE UNIVERSITE CATHOLIQUE DE LOUVAIN | Partner | University | BELGIUM |
| VUB - DEPARTMENT OF ANALYTICAL SCIENCES (ANCH) /VRIJE UNIVERSITEIT BRUSSEL | Partner | University | BELGIUM |
| INSTITUT ROYAL DE METEOROLOGIE - AEROMETRIE | Partner | Research Institute | BELGIUM |
| RUG - LABORATORY FOR PHYSICAL AND RADIobiological CHEMISTRY RIJKS UNIVERSITEIT GENT | Partner | University | BELGIUM |
| ULB - LABORATOIRE DE PHOTOPHYSIQUE MOLECULAIRE/UNIVERSITE LIBRE DE BRUXELLES | Partner | University | BELGIUM |
| UNIVERSITAET BERN / PFLANZENPHYSIOLOGISCHES INSTITUT | Partner | University | SWITZERLAND |
| PAUL SCHERRER INSTITUT / LAB. FUER UMWELT UND SYSTEMTECHNIK | Partner | Research Institute | SWITZERLAND |
| CANTON TICINO/DIPARTIMENTO AMBIENTE | Partner | Governm./Nat. Admin. | SWITZERLAND |
| ETHZ - INSTITUT FUER ATMOSPHERENPHYSIK/EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZUERICH | Partner | University | SWITZERLAND |
| EIDG. ANSTALT F. WASSERVERS., ABWASSERREININGUNG U.GEW.SCHUTZ | Partner | University | SWITZERLAND |
| EPFL - LABORATOIRE DE POLLUTION ATMOSPHERIQUE ET SOL (LPAS) ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE | Partner | Research Institute | SWITZERLAND |
| METEOTEST AG | Partner | Large company | SWITZERLAND |
| EPFL - INSTITUT DE GENIE DE L'ENVIRONNEMENT ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE | Partner | Research Institute | SWITZERLAND |

ENVIRONMENT

ANNOUNCED

T. Cost (M€)

E! 7

EUROTRAC

**EXPERIMENT
ON TRANSPORT/
TRANSFORMATION OF
ENVIRONMENTALLY
RELEVANT TRACE
CONSTITUENTS IN
THE TROPOSPHERE IN
EUROPE.**

Experimental And Theoretical Determination Of The Distribution Of Primary And Secondary Air Pollutants In Order To Understand And Predict Their Chemical Transformation And Their Transport Over Europe.

85
HANOVER

100

| PARTICIPANTS | ROLE | CONTRIBUTION (%) |
|--|---------|--------------------|
| TU-DARMSTADT/ANORGANISCHE CHEMIE III/ TECHNISCHE HOCHSCHULE DARMSTADT | Partner | University |
| INSTITUT FUER TROPOSPHAERENFORSCHUNG | Partner | Research Institute |
| UNIVERSITAET BREMEN/INSTITUT FUER FERNERKUNDUNG/FACHB.PHYSIK | Partner | University |
| UNIVERSITAET STUTTGART/INSTITUT FUER NAVIGATION | Partner | University |
| UNI KARLSRUHE/INSTITUT FUER CHEMISCHE TECHNIK | Partner | University |
| UNI KARLSRUHE/ENGLER-BUNTE INST./BEREICH GAS, ERDOEL,U.KOHLE | Partner | University |
| UNIVERSITAET HOHENHEIM/INSTITUT FUER PHYSIK | Partner | University |
| MAX-PLANCK-INSTITUT FUER TERRESTRISCHE MIKROBIOLOGIE | Partner | Research Institute |
| UNIVERSITAET HEIDELBERG / INSTITUT FUER UMWELTPHYSIK | Partner | University |
| JOHANNES GUTENBERG-UNIV./INSTITUT F. PHYSIK DER ATMOSPHARE | Partner | University |
| UNIVERSITAET ESSEN-GESAMTHOCHSCHULE/KRAFTWERKTECHNIK | Partner | University |
| UNI KARLSRUHE/INSTITUT FUER METEOROLOGIE UND KLIMAFAORSCHUNG | Partner | University |
| MAX-PLANCK-INSTITUT FUER CHEMIE | Partner | Research Institute |
| FRAUNHOFER-INSTITUT FUER TOXIKOLOGIE UND AEROSOLFORSCHUNG | Partner | Research Institute |
| GKSS-FORSCHUNGZENTRUM GEESTHACHT GMBH | Partner | Research Institute |
| UNIV.WITTEN-HERDECKE / INSTITUT FUER ANORGANISCHE CHEMIE | Partner | University |
| METEOROLOGISCHES INSTITUT DER UNIVERSITAET MUENCHEN | Partner | University |
| FORSCHUNGZENTRUM JUELICH GMBH/INST.F.ATMOSPH.CHEM. (ICH 3) | Partner | Research Institute |
| FRAUNHOFER-INSTITUT FUER PHYSIKALISCHE MESSTECHNIK | Partner | Research Institute |
| MAX-PLANCK-INSTITUT FUER METEOROLOGIE | Partner | Research Institute |
| METEOROLOGIE CONSULT GMBH | Partner | Large company |
| FRAUNHOFER-INSTITUT - AUSENSTELLE FOR LUFTCHEMIE | Partner | Research Institute |
| BERGISCHE UNIV. WUPPERTAL/INSTITUT FUER PHYSIKALISCHE CHEMIE | Partner | University |
| TU-DARMSTADT/ANORGANISCHE CHEMIE UND KERNCHEMIE TECHNISCHE HOCHSCHULE DARMSTADT | Partner | University |
| UNIV. ESSEN/INSTITUT F. PHYSIKALISCHE U. THEORETISCHE CHEMIE | Partner | University |
| FORSCHUNGZENTRUM KARLSRUHE - PROJEKTTRAEGER PRODUKTION UND FERTIGUNGSTECHNOLOGIEN | Partner | Research Institute |
| FORSCHUNGZENTRUM JUELICH GMBH/INSTITUT FUER CHEMIE (ICH 2) | Partner | Research Institute |
| METEOROLOGISCHES OBSERVATORIUM HOHENPEISSENBERG | Partner | Research Institute |

42,3

ENVIRONMENT

ANNOUNCED T. Cost (M€)

E! 7

EUROTRAC

EXPERIMENT
ON TRANSPORT/
TRANSFORMATION OF
ENVIRONMENTALLY
RELEVANT TRACE
CONSTITUENTS IN
THE TROPOSPHERE IN
EUROPE.

Experimental And Theoretical Determination Of The Distribution Of Primary And Secondary Air Pollutants In Order To Understand And Predict Their Chemical Transformation And Their Transport Over Europe.

85
HANOVER

100

| PARTICIPANTS | ROLE | CONTRIBUTION (%) |
|---|---------|-------------------------|
| UNIVERSITAET BONN / INSTITUT FUER PHYSIKALISCHE CHEMIE | Partner | University |
| J.W.GOETHE-UNIVERSITAET/INST.F.PHYSIKALISCHE U.THEORET.CHEM. | Partner | University |
| UNIVERSITAET KOELN/INSTITUT FUER GEOPHYSIK UND METEOROLOGIE | Partner | University |
| FACHHOCHSCHULE KOELN/INSTITUT F. GEOPHYSIK UND METEOROLOGIE | Partner | University |
| UNIVERSITAET KIEL/INSTITUT FUER PHYSIKALISCHE CHEMIE | Partner | University |
| DEUTSCHER WETTERDIENST/METEOROLOGISCHES OBSERV.(POTSDAM) | Partner | Research Institute |
| TU BRAUNSCHWEIG/INSTITUT FUER ORGANISCHE CHEMIE TECHNISCHE UNIVERSITAET BRAUNSWEIG | Partner | University |
| UNIVERSITAET HAMBURG / GEOLOGISCHES INSTITUT | Partner | University |
| UNIV.STUTTGART/INST.F.ENERGIEWIRTSCHAFT U.RAT.ENERGIEANWEND. | Partner | University |
| J.W.GOETHE-UNIVERSITAET/ZENTRUM FUER UMWELTFORSCHUNG (ZUF) | Partner | University |
| UNI STUTTGART/INSTITUT F.KERNENER TECHNIK U.ENERGIESYSTEME | Partner | University |
| RISOE NATIONAL LABORATORY/CHEMICAL DEPARTMENT | Partner | Research Institute |
| NAT.ENVIRONMENTAL RESEARCH INST./EMISSIONS AND AIR POLLUTION | Partner | Research Institute |
| RISOE NATIONAL LABORATORY / METEOROLOGY & WIND ENERGY DEPT. | Partner | Governm./Nat. Admin. |
| UNIVERSIDAD DE VALLADOLID/DEP. DE FISICA APLICADA I LABORATORIO DE CONTAMINACION ATMOSFERICA | Partner | University |
| UPM/ENVIRONMENTAL MODELLING AND SOFTWARE GROUP UNIVERSIDAD POLITECNICA DE MADRID | Partner | University |
| JRC - ENVIRONMENT INSTITUTE JOINT RESEARCH CENTRE | Partner | Research Institute |
| JRC - CHEMISTRY DIVISION JOINT RESEARCH CENTRE | Partner | Research Institute |
| FINNISH METEOROLOGICAL INSTITUTE | | |
| C.N.R.S. - CENTRE DE FAIBLES RADIOACTIVITES | Partner | Research Institute |
| UG-LABORATOIRE GLACIOLOGIE ET GEOPHYSIQUE DE L'ENVIRONNEMENT UNIVERSITE DE GRENOBLE | Partner | University |
| C.N.R.S.- CHIMIE DE LA COMBUSTION ET DES HAUTES TEMPERATURES | Partner | Research Institute |
| UNIV. DE STRASBOURG/ECOLE EUROPEENNE. CHIMIE POLYMERES MATERIAUX | Partner | University |
| C.N.R.S. - SERVICE D'AERONOMIE | Partner | Research Institute |
| C.N.R.S. - SERVICE D'AERONOMIE UNIVERSITE DE PIERRE ET MARIE CURIE (UNIVERSITE DE PARIS VI) | Partner | University |
| UNIVERSITE DE PARIS/LAB. PHYSICO-CHIMIE DE L'ENVIRONNEMENT UNIVERSITE DE PARIS XII | Partner | University |

ENVIRONMENT

ANNOUNCED

T. Cost (M€)

E! 7

EUROTRAC

**EXPERIMENT
ON TRANSPORT/
TRANSFORMATION OF
ENVIRONMENTALLY
RELEVANT TRACE
CONSTITUENTS IN
THE TROPOSPHERE IN
EUROPE.**

Experimental And Theoretical Determination Of The Distribution Of Primary And Secondary Air Pollutants In Order To Understand And Predict Their Chemical Transformation And Their Transport Over Europe.

85
HANOVER

100

| PARTICIPANTS | ROLE | CONTRIBUTION (%) |
|---|---------|--------------------|
| UNIVERSITE DE REIMS/FAC.DES SCIENCES EXACTES ET NATURELLES | Partner | University |
| UNIVERSITE DES SCIENCES ET TECHNIQUES DE LILLE LABORATOIRE CINETIQUE ET CHIMIE DE LA COMBUSTION | Partner | University |
| UNIVERSITE DE CLERMONT-FERRAND II - CNRS-LAMP LABORATOIRE ASSOCIE DE METEOROLOGIE PHYSIQUE | Partner | University |
| UNIV.DE BORDEAUX 1/LAB. PHOTOPHYSIQUE/PHOTOCHEM.MOLECULAIRE | Partner | University |
| INST.NAT.POLYTECHNIQUE/LAB. DE CHIMIE ET DE L'ENVIRONNEMENT | Partner | University |
| UNIV. DE PARIS VII/LAB. DE PHYSICO-CHIMIE DE L'ATMOSPHERE UNIVERSITE DE PARIS VII | Partner | University |
| CEA - LABORATOIRE DE MODELISATION DU CLIMAT ET L'ENVIRONNEMENT. COMMISSARIAT A L'ENERGIE ATOMIQUE | Partner | Research Institute |
| CITEPA | Partner | Research Institute |
| UNIV.P.SABATIER/LABORATOIRE DE PHYSIQUE DES AEROSOLS ERA 378 | Partner | University |
| UNIVERSITE JOSEPH FOURIER - IUT CHEMIE, GRECA (CNRS) | Partner | University |
| UNIVERSITE LOUIS PASTEUR /CENTRE DE GEOCHIMIE DE LA SURFACE | Partner | University |
| ECOLE CENTRALE DE LYON / EQUIPE C.N.R.S. PHOTOCATALYSE | Partner | Research Institute |
| ENSM - LABORATOIRE DE MECANIQUE DES TRANSFERTS/TURBINES ECOLE NATIONALE SUPERIEURE DE MECANIQUE | Partner | Research Institute |
| UNIVERSITE PAUL SABATIER/LABORATOIRE D'AEROLOGIE | Partner | University |
| UNIV.PIERRE ET MARIE CURIE/LAB.DE MECANIQUE PHYSIQUE-URA 879 | Partner | University |
| DR. PETER SIMMONDS (INDEPENDENT CONSULTANT) | Partner | Research Institute |
| UNIV. OF LANCASTER/INST.OF ENVIRONMENTAL/BIOLOGICAL SCIENCES | Partner | University |
| UNIVERSITY OF LEEDS/SCHOOL OF CHEMISTRY | Partner | University |
| INSTITUTE OF TERRESTRIAL ECOLOGY-EDINBURGH RESEARCH STATION | Partner | Research Institute |
| UNIVERSITY OF BIRMINGHAM/SCHOOL OF BIOLOGICAL SCIENCES INSTITUTE FOR PUBLIC AND ENVIRONMENTAL HEALTH | Partner | University |
| IMPERIAL COLLEGE, ATMOSPHERIC CHEMISTRY RESEARCH UNIT | Partner | University |
| OXFORD UNIVERSITY/PHYSICAL & THEORETICAL CHEMISTRY LAB. | Partner | University |
| UMIST - DEPARTMENT OF ATMOSPHERIC PHYSICS UNIVERSITY OF MANCHESTER INSTITUTE OF SCIENCE AND TECHNOLOGY | Partner | University |
| NATIONAL PHYSICAL LABORATORY/QUANTUM METEOROLOGY DIVISION | Partner | Research Institute |
| COOKRIDGE RADIATION RESEARCH CENTRE/UNIVERSITY OF LEEDS | Partner | University |
| UNIVERSITY OF EAST ANGLIA/SCHOOL OF ENVIRONMENTAL SCIENCES | Partner | University |
| DEPARTMENT OF TRADE & INDUSTRY - WARREN SPRING LABORATORY | Partner | Research Institute |

6

8

ENVIRONMENT

ANNOUNCED

T. Cost (M€)

E! 7

EUROTRAC

**EXPERIMENT
ON TRANSPORT/
TRANSFORMATION OF
ENVIRONMENTALLY
RELEVANT TRACE
CONSTITUENTS IN
THE TROPOSPHERE IN
EUROPE.**

Experimental And Theoretical Determination Of The Distribution Of Primary And Secondary Air Pollutants In Order To Understand And Predict Their Chemical Transformation And Their Transport Over Europe.

85
HANOVER

100

| PARTICIPANTS | ROLE | CONTRIBUTION (%) |
|---|---------|----------------------|
| HUNGARIAN METEOROLOGICAL SERVICE | Partner | Governm./Nat. Admin. |
| HUNGARIAN ACADEMY OF SCIENCES KFKI ATOMIC ENERGY RESEARCH INSTITUTE | Partner | Research Institute |
| UCD - UNIVERSITY COLLEGE DUBLIN / CHEMICAL DEPARTMENT | Partner | University |
| UNIVERSITY COLLEGE GALWAY / PHYSICS DEPARTMENT | Partner | University |
| C.N.R. - ISTITUTO DI COSMOGEOFISICA (ICGF) | Partner | Research Institute |
| C.N.R. - ISTITUTO FISBAT/CHIMICA D.BASSA/ALTA ATMOSFERA | Partner | Research Institute |
| ENEA - C. R. FRASCATI/ /ENTE PER LE NUOVE TECNOLOGIE, L'ENERGIA, L'AMBIENTE | Partner | Governm./Nat. Admin. |
| ARS-ENI S.P.A. | Partner | Large company |
| ENEL S.P.A. CENTRO DI RICERCA TERMICA E NUCLEARE (MILANO) ENTE NAZIONALE PER L'ENERGIA ELETTRICA | Partner | Research Institute |
| ENEA-EUR - ROMA/ /ENTE PER LE NUOVE TECNOLOGIE, L'ENERGIA, L'AMBIENTE | Partner | Research Institute |
| C.N.R. - ISTITUTO SULL'INQUINAMENTO ATMOSFERICO (IIA) | Partner | Research Institute |
| ENEA - C. R. E. CASACCIA / ENTE PER LE NUOVE TECNOLOGIE, L'ENERGIA, L'AMBIENTE | Partner | Research Institute |
| IST. DI RICERCA SULLE Onde ELETTROMAGNETICHE NELLO CARRERA | Partner | Research Institute |
| KUN - MOLECULAR AND LASER PHYSICS DEPARTMENT / KATHOLIEKE UNIVERSITEIT NIJMEGEN | Partner | University |
| KONINGLIJK NATIONAAL METEOREOLOGISCH INSTITUUT (KNMI) | Partner | Research Institute |
| TNO-FEL - PHYSICS AND ELECTRONICS LABORATORY | Partner | Research Institute |
| NATIONAL INSTITUTE OF PUBLIC HEALTH & ENVIRONMENTAL HYGIENE AIR RESEARCH LABORATORY | Partner | Research Institute |
| ECN - ENERGIEONDERZOEK CENTRUM NEDERLAND | Partner | Research Institute |
| KEMA NEDERLAND B.V. | Partner | Large company |
| TNO-IMW - INSTITUTE OF ENVIRONMENTAL SCIENCES | Partner | Research Institute |
| UNIVERSITY OF BERGEN/DEPARTMENT OF METEOROLOGY | Partner | University |
| UNIVERSITY OF OSLO / INSTITUTE OF GEOPHYSICS | Partner | University |
| POLISH ACADEMY OF SCIENCES/INSTITUTE OF PHYSICAL CHEMISTRY | Partner | Research Institute |
| UNIVERSIDADE DE AVEIRO/DEPT. DE AMBIENTE E ORDENAMENTO | Partner | University |
| INSTITUTO NACIONAL DE METEOROLOGIA E GEOFISICA | Partner | Research Institute |

ENVIRONMENT

ANNOUNCED

T. Cost (M€)

E! 7

EUROTRAC

**EXPERIMENT
ON TRANSPORT/
TRANSFORMATION OF
ENVIRONMENTALLY
RELEVANT TRACE
CONSTITUENTS IN
THE TROPOSPHERE IN
EUROPE.**

Experimental And Theoretical Determination Of The Distribution Of Primary And Secondary Air Pollutants In Order To Understand And Predict Their Chemical Transformation And Their Transport Over Europe.

85
HANOVER

100

E! 316

EUROCARE COPAL

**TECHNOLOGIES FOR
CONSERVATION
OF COPPER ALLOY
MONUMENTS**

Investigation Of Corrosion Processes Of Different Copper Alloys According To Certain Environments, And Develop Special Conservation Therapies. (Outdoor Bronze Monuments Selected).

89
VIENNA

1

| PARTICIPANTS | ROLE | CONTRIBUTION (%) |
|---|---------|----------------------|
| ENVIRONMENTAL PROTECTION AGENCY TIMISOARA WATER, FOREST AND ENVIRONMENTAL PROTECTION MINISTRY | Partner | Governm./Nat. Admin. |
| | | ROMANIA |
| | | 0,01 |
| RUSSIAN ACADEMY OF SCIENCES/INSTITUTE FOR ATMOSPHERIC OPTICS | Partner | Research Institute |
| | | RUSSIAN FED. |
| | | 0,01 |
| UNIVERSITY OF STOCKHOLM / METEOROLOGY DEPARTMENT | Partner | University |
| | | SWEDEN |
| LTH - PHYSICS DEPARTMENT LUND INSTITUTE OF TECHNOLOGY | Partner | University |
| | | SWEDEN |
| IVL (ENVIRONMENTAL RESEARCH INSTITUTE) (GOETEBORG) | Partner | Research Institute |
| | | SWEDEN |
| NATIONAL ENVIRONMENTAL PROTECTION BOARD/AIR RESEARCH LAB. | Partner | Governm./Nat. Admin. |
| | | SWEDEN |
| LTH - DEPARTMENT OF INORGANIC CHEMISTRY 1 / LUND INSTITUTE OF TECHNOLOGY | Partner | University |
| | | SWEDEN |
| GOETEBORG UNIVERSITY/DEPARTMENT OF INORGANIC CHEMISTRY | Partner | University |
| | | SWEDEN |
| NATIONAL INSTITUTE OF CHEMISTRY | Partner | Research Institute |
| | | SLOVENIA |
| LJUBLJANA UNIVERSITY/NATURAL SCIENCES & TECHNOLOGY FACULTY | Partner | University |
| | | SLOVENIA |
| DOKUZ EYLUL UNIVERSITY/ENGINEERING & ARCHITECTURAL FACULTY | Partner | University |
| | | TURKEY |
| UNIVERSITY OF ULUDAG/FACULTY OF EDUCATION | Partner | University |
| | | TURKEY |
| | | 0,01 |
| BAYERISCHES LANDESAMT FUER DENKMALPFLEGE (MUENCHEN) | Main | Governm./Nat. Admin. |
| | | GERMANY |
| FORSCHUNGZENTRUM KARLSRUHE - PROJEKTTRAEGER PRODUKTION UND FERTIGUNGSTECHNOLOGIEN | Partner | Research Institute |
| | | GERMANY |
| | | 15 |
| HOCHSCHULE FUER ANGEWANDTE KUNST IN WIEN INSTITUT FUER SILIKATCHEMIE UND ARCHAEOOMETRIE (ISCA) | Partner | University |
| | | AUSTRIA |
| | | 45 |
| SVUOM PRAHA A.S. | Partner | SME |
| | | CZECH REPUBLIC |
| | | 5 |
| BAY ZOLTAN FOUNDATION/MATERIALS SCIENCE & TECHNOLOGY INST. | Partner | Research Institute |
| | | HUNGARY |
| BUDAPEST GALERIA | Partner | Large company |
| | | HUNGARY |
| | | 5 |
| ISTITUTO CENTRALE PER IL RESTAURO | Partner | Governm./Nat. Admin. |
| | | ITALY |
| | | 5 |
| ENEA - C. R. E. CASACCIA / ENTE PER LE NUOVE TECNOLOGIE, L'ENERGIA, L'AMBIENTE | Partner | Research Institute |
| | | ITALY |
| | | 5 |
| LABORATORIO NACIONAL DE ENGENHARIA CIVIL | Partner | Research Institute |
| | | PORTUGAL |
| | | 5 |
| RUSSIAN SCIENTIFIC RESEARCH INSTITUTE OF RESTORATION | Partner | Research Institute |
| | | RUSSIAN FEDERATION |
| | | 15 |
| GOETEBORG UNIVERSITY/DEPARTMENT OF INORGANIC CHEMISTRY | Partner | University |
| | | SWEDEN |
| | | 5 |

ENVIRONMENT

ANNOUNCED

T. Cost (M€)

| | | | | | |
|---------|----------------------|--|--|-------------------|------|
| E! 396 | EUROCARE PROMOS | IMPROVED METHODS AND PRODUCTS FOR CLEANING/REMOVAL/ ORGANISM GROWTH PREVENTION/ RESTORATION OF ROMAN MOSAICS | Roman Mosaics In Southern Europe Are Severely Damaged By Lichens. Research On Improved Methods For Cleaning, Removal And Prevention Of Lichen Growth On Mosaics Is Needed; Should Deliver Basic Information On Methods And Products To Be Used | 89 VIENNA | 0,32 |
| E! 429 | EUROMAR OPMOD (EXP) | OPERATIONAL MODELLING OF REGIONAL SEAS AND COASTAL WATERS | Development Of An Integrated Software System For The Operational Modelling And Short Term Forecasts Of Transport Processes In Regional Seas And Coastal Waters. | 90 ROME | 5,63 |
| E! 1165 | EUROENVIRON AQUALERT | CONTINUOUS WATER QUALITY MULTIPARAMETER ANALYSER WITH DATA PROCESSING AND TELEMETRY | Development Of Mechanical Parts, Pumping/Filtration Systems, Electronic Hardware; Specific Control And Communication Software To Produce A Continuous Water Quality Multi- Parameter Field Analyser With Data Processing & Telemetry. | 94 LILLEHAMMER | 0,67 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|--|---------|----------------------|------------------|
| INSTITUTO DE RECURSOS NATURALES Y AGROBIOLOGIA, S.C.I.C. | Main | Research Institute | SPAIN |
| UNIVERSIDAD DE SEVILLA / FACULTAD DE FARMACIA | Partner | University | SPAIN |
| MINISTERIO DE CULTURA | Partner | Research Institute | SPAIN |
| UPM/INSTITUTO DE GEOLOGIA ECONOMICA/DEPARTAMENTO RETROLOGIA UNIVERSIDAD POLITECNICA DE MADRID | Partner | University | SPAIN |
| CONJUNTO ARQUEOLOGICO DE ITALICA | Partner | Governm./Nat. Admin. | SPAIN |
| INSTITUTO DE CIENCIAS DE LA CONSTRUCCION "EDUARDO TORROJA" | Partner | Research Institute | SPAIN |
| MUSEU MONOGRAFICO DE CONIMBRIGA | Partner | Governm./Nat. Admin. | PORUGAL |
| HYDROMOD SCIENTIFIC CONSULTING GBR | Main | SME | GERMANY |
| INSTITUT FUER MEERESKUNDE DER UNIVERSITAET HAMBURG | Partner | University | GERMANY |
| CENTRE D'ESTUDIS AVANCATS DE BLANES | Partner | Research Institute | SPAIN |
| EURO PROJECT S.A. | Partner | Large company | SPAIN |
| ENVIRONMENTAL IMPACT ASSESSMENT CENTRE OF FINLAND LTD. (EIA) | Partner | Research Institute | FINLAND |
| MERENTUTKIMUSLAITOS (FINNISH INSTITUTE FOR MARINE RESEARCH) | Partner | Research Institute | FINLAND |
| SOGREAH (SOGREAH GROUP) | Partner | SME | FRANCE |
| NANSEN ENVIRONMENTAL AND REMOTE SENSING CENTER | Partner | Research Institute | NORWAY |
| OCEANOR A/S - OCEANOGRAPHIC COMPANY OF NORWAY | Partner | SME | NORWAY |
| IST - CEMUL - LASER MATERIALS PROCESSING LABORATORY INSTITUTO SUPERIOR TECNICO/UNIVERSIDADE TECNICA DE LISBOA | Partner | University | PORUGAL |
| SWEDISH METEOROLOGICAL & HYDROGRAPHICAL INST. (NORRKOEPING) | Partner | Governm./Nat. Admin. | SWEDEN |
| GEONICA S.A. | Main | SME | SPAIN |
| ORM, TECNOLOGIA E CIENCIA NA INDUSTRIA LDA. | Partner | SME | PORUGAL |
| SERRALHARIA MECANICA LDA. (SEMECA) | Partner | Large company | PORUGAL |

ENVIRONMENT

ANNOUNCED T. Cost (M€)

E! 1489

EUROTRAC-2

TRANSPORT AND
TRANSFORMATION OF
ENVIRONMENTALLY-
RELEVANT
TRACE CONSTITUENTS
IN THE TROPOSPHERE
OVER EUROPE: 2ND
PHASE

Will Support Further Development Of Abatement Strategies Within Europe By Providing An Improved Scientific Basis For The Quantification Of Source-Receptor Relationships For Photo-Oxidants And Acidifying Substances.

96
BRUSSELS

124,84

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|--|---------|----------------------|---------------------|
| UNIVERSITY OF STUTTGART - IER | Main | University | GERMANY 25,56 |
| AUSTRIAN RESEARCH CENTRES SEIBERSDORF GES.M.B.H. | Partner | Research Institute | AUSTRIA 3,46 |
| INSTITUT D'AERONOMIE SPATIALE | Partner | Research Institute | BELGIUM 3,5 |
| PAUL SCHERRER INSTITUT/RADIO/ENVIRONMENTAL CHEMISTRY LAB. | Partner | Research Institute | SWITZERLAND 6,64 |
| BRNO UNIVERSITY OF TECHNOLOGY/MECHANICAL ENGINEERING FACULTY | Partner | University | CZECH REPUBLIC 0,07 |
| RISOE NATIONAL LABORATORY / METEOROLOGY & WIND ENERGY DEPT. | Partner | Governm./Nat. Admin. | DENMARK 4,08 |
| UPM/ENVIRONMENTAL MODELLING AND SOFTWARE GROUP UNIVERSIDAD POLITECNICA DE MADRID | Partner | University | SPAIN 0,81 |
| JRC - ENVIRONMENT INSTITUTE JOINT RESEARCH CENTRE | Partner | Research Institute | UE |
| THE EUROPEAN COMMISSION (HQ) | Partner | Governm./Nat. Admin. | UE 18,01 |
| FINNISH METEOROLOGICAL INSTITUTE | Partner | Research Institute | FINLAND 2,83 |
| INSTITUT NATIONAL DES SCIENCES DE L'UNIVERS - CNRS (PARIS) | Partner | Research Institute | FRANCE 5,41 |
| UNIVERSITY OF EAST ANGLIA/SCHOOL OF ENVIRONMENTAL SCIENCES | Partner | University | U. KINGDOM 4,49 |
| HUNGARIAN ACADEMY OF SCIENCES KFKI ATOMIC ENERGY RESEARCH INSTITUTE | Partner | Research Institute | HUNGARY |
| HUNGARIAN METEOROLOGICAL SERVICE | Partner | Governm./Nat. Admin. | HUNGARY 0,22 |
| UNIVERSITY COLLEGE GALWAY / EXPERIMENTAL PHYSICS | Partner | University | IRELAND 0,14 |
| C.N.R. - ISTITUTO FISBAT/CHIMICA D.BASSA/ALTA ATMOSFERA | Partner | Research Institute | ITALY |
| UNIVERSITA DEGLI STUDI DI BRESCIA/FACOLTA DI INGEGNERIA | Partner | University | ITALY 7,05 |
| C.N.R. - ISTITUTO SULL'INQUINAMENTO ATMOSFERICO (IIA) | Partner | Research Institute | ITALY |
| INSTITUTE OF PHYSICS/ENVIRONMENTAL PHYSICS & CHEMISTRY LABORATORY | Partner | Research Institute | LITHUANIA 0,07 |
| UNIVERSITY OF LATVIA/INST. OF ATOMIC PHYSICS & SPECTROSCOPY | Partner | University | LATVIA 0,04 |
| ECN - ENERGIEONDERZOEK CENTRUM NEDERLAND | Partner | Research Institute | NETHERLANDS 5,39 |
| NILU - NORWEGIAN INSTITUTE FOR AIR RESEARCH | Partner | Research Institute | NORWAY 1,01 |
| ACADEMY OF SCIENCES/PHYSICAL CHEMISTRY INSTITUTE | Partner | Research Institute | POLAND 0,23 |
| UNIVERSIDADE DE AVEIRO/DEPT. DE AMBIENTE E ORDENAMENTO | Partner | University | PORTUGAL 0,81 |
| IVL (ENVIRONMENTAL RESEARCH INSTITUTE) (GOETEBORG) | Partner | Research Institute | SWEDEN 3,59 |
| LUUBLJANA UNIVERSITY/CHEMISTRY & CHEMICAL TECHNOLOGY FACULTY DEPARTMENT OF ANALYTICAL CHEMISTRY | Partner | University | SLOVENIA 0,82 |
| NATIONAL INSTITUTE OF CHEMISTRY | Partner | Research Institute | SLOVENIA |
| MIDDLE EAST TECHNICAL UNIVERSITY/CHEMISTRY DEPARTMENT | Partner | University | TURKEY 0,46 |
| MAIN ASTRONOMICAL OBSERVATORY / NATIONAL ACADEMY OF SCIENCE OF UKRAINE | Partner | Governm./Nat. Admin. | UKRAINE 0,02 |
| ARISTOTLE UNIV.OF THESSALONIKI/LAB. HEAT TRANSFER/ENV.ENG. | Partner | University | GREECE 1,1 |
| BELGRADE UNIVERSITY/DEPARTMENT OF CHEMISTRY | Partner | University | SERBIA 0,44 |

ENVIRONMENT

ANNOUNCED

T. Cost (M€)

| | | | | | |
|----------------|-------------------------------|---|---|----------------|------|
| E! 2051 | EUROENVIRON TEXTEFUSE | MOST APPROPRIATE TECHNOLOGIES FOR THE RE-USE OF DYEING EFFLUENTS. | Investigate Technologies Suitable To Treat Textile Dyeing Effluents So That Most Can Be Re-Used In Dyeing And/Or Finishing Processes; Test Advanced Colours/Organics Removal; Select Most Appropriate Dissolved Solids Removal Systems. | 99 ISTANBUL | 0,8 |
| E! 2141 | ECOLEATHER | LEATHER PRODUCTION BY ALTERNATIVE PROCESSES LESS POLLUTANT THAN CHROME TANNING | In Order To Better Recycle Scraps And Depuration Sludges Generated In The Tanning Industry, Free-Chrome Compounds Will Be Utilised In The Industrial Process. | 00 HANOVER | 2,8 |
| E! 2164 | EUROENVIRON SLAUGHTERHOUSE | SLAUGHTERHOUSE WASTE WATER TREATMENT PLANT USING ULTRA- FILTERING AND COLLECTION BY MEANS OF INVERSE OSMOSIS. | Development Of A Treatment System Using Micro-Filtration Of Slaughterhouse Waste Water And Subsequent Inverse Osmosis Treatment So It Can Be Collected And Re-Used As Aseptic Water. | 99 ISTANBUL | 0,51 |
| E! 2301 | EUROAGRI SIGA | INTEGRAL TELEMANAGEMENT SYSTEM FOR WATER | Integral Automatic Watering System Allowing The Administration Of Water Consumption In Hydrographical Basins. | 00 HANOVER | 5,49 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|---|---------|----------------------|------------------|
| BOGAZICI UNIVERSITY/ENVIRONMENTAL SCIENCES INSTITUTE | Main | University | TURKEY |
| PISA TEKSTIL VE BOYAMA A.S. | Partner | SME | TURKEY |
| CENTRO TECHN. DAS INDUSTRIAS TEXTEIS E DO VESTUARIO DE PORT. (Technological Centre for Textile and Clothing) | Partner | Research Institute | PORTUGAL |
| F. DUARTE & DUARTE LDA. | Partner | SME | PORTUGAL |
| TINTROFA - TINTURARIA DA TROFA S.A. | Partner | SME | PORTUGAL |
| CONCERIA TRE GASSELLE S.R.L. | Main | SME | ITALY |
| HELLENIC LEATHER CENTER S.A. (EL.KE.DE.) | Partner | Research Institute | GREECE |
| ELKEDE TECHNOLOGY AND DESIGN CENTRE S.A. | Partner | Research Institute | GREECE |
| ENEA (PISA) ENTE PER LE NUOVE TECNOLOGIE, L'ENERGIA, L'AMBIENTE | Partner | Research Institute | ITALY |
| PRODERMA | Partner | SME | PORTUGAL |
| CURTUMES GAMA, S.A. | Partner | Research Institute | PORTUGAL |
| RASAJO | Partner | SME | PORTUGAL |
| LEATHER AND FOOTWEAR RESEARCH INSTITUTE (ICPI) | Partner | Research Institute | ROMANIA |
| PIELOREX S.A. | Partner | SME | ROMANIA |
| TRANSFORMACION GANADERA DE LEGANES S.A. | Main | SME | SPAIN |
| PROING INGENIERIA S.L. | Partner | SME | SPAIN |
| UNIVERSIDAD COMPLUTENSE DE MADRID/FACULTAD DE VETERINARIA DEPARTAMENTO DE TOXICOLOGIA Y FARMACOLOGIA | Partner | University | SPAIN |
| 3E ANALISIS Y GESTION MEDIOAMBIENTAL S.L. | Partner | Large company | SPAIN |
| S.S.L EQUIPAMENTOS INDUSTRIALIS LDA. | Partner | SME | PORTUGAL |
| TRAGSA - EMPRESA DE TRANSFORMACION AGRARIA S.A. | Main | Large company | SPAIN |
| CENTRO DE ESTUDOS DE ENGENHARIA RURAL - U.TECNICA DE LISBOA | Partner | University | PORTUGAL |
| UNTA DE AGRICULTORES DO LUCEFECIT | Partner | Governm./Nat. Admin. | PORTUGAL |
| MICRO I/O - SERVICOS DE ELECTRONICA, LDA | Partner | SME | PORTUGAL |
| TRANSFORMACOES AGRARIAS, S.A. (TRAPSA) | Partner | SME | PORTUGAL |

ENVIRONMENT

ANNOUNCED T. Cost (M€)

| | | | | | |
|---------|-------------------------|--|--|------------------|------|
| E! 2497 | EUROENVIRON BIOMAC | BIOREACTOR FOR INNOVATIVE MASS BACTERIA CULTURE | The Aim Is To Upgrade Conventional Cultivation Techniques For The Mass Production Of Bacterial Communities. The Microorganisms Will Perform A Cost-Effective Aerobic Biodegradation Of Target Xenobiotics And Organic Pollutants. | 01 MADRID | 1,5 |
| E! 3483 | LASCAN | ADVANCED LASER RENOVATION OF OLD PAINTINGS, PAPER, PARCHMENT AND METAL OBJECTS | The Project Objective Is The Development, Construction And Optimisation Of Advanced Laser Renovation Systems With Automatic Control Of Level Cleaning And Laser Beam Scanning. | 05 MAASTRICHT | 3 |
| E! 3728 | EUROENVIRON OMIM | ORGANIC MOLECULES INERTISATION MACHINE | To Construct A Factory Treating Residues Contaminated With Organic Molecules Of 3 Distinct Chemical Families (Phytosanitary, Pharmaceutical And Cytostatic). | 06 PRAGUE | 0,37 |
| E! 5021 | EUROAGRI+ EUproteinAqua | PROTEIN CONCENTRATES FOR AQUACULTURE | To Develop New Protein Concentrates (Lupins, Beans, Peas And Rapeseeds, All From Eu Crops) For Use In Aquafeeds. These Protein Sources Will Be Obtained By Novel Physical Methods (Micronisation And Air Classification) And Their Efficacy Validated In Trout And Gilthead Sea Bream. | 09 LISBON | 1,36 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|--|---------|----------------------|--------------------|
| EPFL - LABORATOIRE DE BIOTECHNOLOGIE ENVIRONNEMENTALE ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE | Main | Research Institute | SWITZERLAND |
| BELAIR BIOTECH LTD | Partner | SME | SWITZERLAND 35 |
| TU WIEN/INSTITUT FUER ANALYTISCHE CHEMIE / TECHNISCHE UNIVERSITAET WIEN | Partner | University | AUSTRIA 10 |
| EKOLOSKI INZENJERING D.O.O. | Partner | SME | CROATIA 30 |
| SOCIEDADE DE INNOVACAO AMBIENTAL LDA. (SIA) | Partner | SME | PORTUGAL 10 |
| RICARDO TEIXEIRA E VITOR FONSECA, ARQUEOLOGIA LDA | Partner | SME | PORTUGAL |
| SLOVAK TECHNICAL UNIVERSITY/CHEMICAL TECHNOLOGY FACULTY | Partner | University | SLOVAK REPUBLIC 15 |
| INST. OF OPTOELECTRONICS, MILITARY UNIVERSITY OF TECHNOLOGY | Main | University | POLAND |
| INTER-ACAD.INST.OF CONSERVATION/RESTORATION OF WORKS OF ART | Partner | University | POLAND 67 |
| BIURO OBROTU OBRABIAREK I MASZYN SP. Z.O.O., BOOM | Partner | SME | POLAND |
| LJUBLJANA UNIVERSITY/CHEMISTRY & CHEMICAL TECHNOLOGY FACULTY DEPARTMENT OF ANALYTICAL CHEMISTRY | Partner | University | SLOVENIA 9 |
| MORANA RTD D.O.O. | Partner | SME | SLOVENIA |
| RICARDO TEIXEIRA E VITOR FONSECA, ARQUEOLOGIA LDA | Partner | SME | PORTUGAL 3 |
| PANNONLASER CO-OPERATION RESEARCH CENTRE UNIVERSITY OF PECS | Partner | Research Institute | HUNGARY |
| ASSOCIATION OF THE HUNGARIAN RESTORERS | Partner | SME | HUNGARY |
| MICRO-MATERIAL RESEARCH AND DEVELOPMENT LTD | Partner | SME | HUNGARY 8 |
| MUSEUM OF FINE ARTS | Partner | Governm./Nat. Admin. | HUNGARY |
| UNIVERSITY OF VESZPREM - DEPARTMENT OF PHYSICS | Partner | University | HUNGARY |
| IFAC - ISTITUTO DI FISICA APPLICATA NELLO CARRARA | Partner | Research Institute | ITALY 8 |
| INSTITUTE OF PHYSICS/NON-LINEAR OPTICS & SPECTROSCOPY LAB. | Partner | Research Institute | LITHUANIA 8 |
| EKSPLA UAB | Partner | SME | LITHUANIA |
| ANDALUZA DE TRATAMIENTOS DE HIGIENE, S.A. | Main | SME | SPAIN 78 |
| ATHISA MAROC, SARL | Partner | SME | MOROCCO 5 |
| AMBIMED LTD | Partner | SME | PORTUGAL 17 |
| ESTEVE SANTIAGO, S.A. | Main | SME | SPAIN 61,72 |
| UTAD - University of Tras-os-Montes e Alto Douro / Analytical Chemistry Department | Partner | University | PORTUGAL 38,28 |
| SORGAL, SOCIEDADE DE OLEOS E RACOES S.A. | Partner | Large company | PORTUGAL |

INFORMATION TECHNOLOGY

| | | | ANNOUNCED | T. Cost (M€) |
|----------------|----------|---|--|-------------------|
| E! 90 | HIPERLAB | HIGH PERFORMANCE SIGNAL PROCESSING FOR LABORATORY ENVIRONMENTS | High Performance Analogue To Digital Convertors For Nuclear Electronics Applications And Signal Processors Compatible With Standard And Latest Generation Microcomputers (Ibm Pc, At, Vme And Vax). | 86 LONDON 0,6 |
| E! 708 | MUDIS | MULTI-LEVEL DISTRIBUTION INTEGRATION SYSTEM | This Is The Second Phase Of The Project, Consisting Of An Integrated Software Package For Support Of Logistic Activities In Fields Of Distribution Nets, Stocks Management, Forecasting And Transport. | 92 TAMPERE 0,76 |
| E! 1191 | H2SCORR | ADVANCED SYSTEM AND PROCEDURES ASSESSING AND MONITORING OF DEGRADATION OF MATERIALS SUBJECTED TO H2S ENVIRONMENT | Development Of Off-Line And On-Line Automated Corrosion Advisors And Monitoring Systems To Improvement Assessment Of H2s Damage Risk. Furthermore, This Could Help To Enhance Design/Maintenance Practices In Oil And Chemical Industries. | 95 INTERLAKEN 2,6 |
| E! 1746 | METHOD | METHODOLOGY FOR THE ANALYSIS OF CORROSION FAILURES IN THE MAINTENANCE OF INDUSTRIAL PLANTS | Development Of An Advanced Methodology For The Analysis Of Corrosion Problems, Integrated Into A Pc Software Tool, Using Knowledge-Based System (Kbs) Technology. | 97 LONDON 2,1 |
| E! 1864 | X-PLAN | A DECISION SUPPORT SYSTEM FOR THE AGGREGATE PLANNING OF DISTRIBUTION COMPANIES. | Development Of A Decision Support System For The Aggregate Planning Of Distribution Companies In The Cork Sector. This System Will Support The Supply Chain Logistics Planning And Control Of Cork Companies. | 98 LISBON 1 |
| E! 1890 | KMIM | KEEP MEMORY FOR MAINTENANCE | Development Of An Advanced Technology For The Analysis Of Quality Programmes, To Be Used During Lhc (Large Hadron Collider) Cern Construction. | 98 LISBON 0,45 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) | |
|--|-------------|---------------------------|------------------|-------------|
| UC - DEPARTAMENTO DE FISICA / CENTRO DE INSTRUMENTACAO UNIVERSIDADE DE COIMBRA | Main | University | PORTUGAL | 59 |
| PROTER LDA. | Partner | Large company | PORTUGAL | 59 |
| AEA TECHNOLOGY/NUCLEAR APPLICATIONS CENTRE | Partner | Research Institute | U. KINGDOM | 41 |
| FORDESI - FORMACAO, DESENVOLVIMENTO E INVESTIGACAO LDA | Main | SME | PORTUGAL | 74 |
| ICL DATA OY | Partner | Large company | FINLAND | 26 |
| PETROLEOS DE PORTUGAL - PETROGAL S.A. (LISBOA) | Main | Large company | PORTUGAL | 36 |
| INSTITUTO DE SOLDATURA E QUALIDADE INVESTIGACAO E DESENVOLVIMENTO/DIVISAO ENGENHARIA SISTEMAS | Partner | Research Institute | PORTUGAL | 36 |
| INTEGRIDADE,SERVICOS DE MANUTENCAO E INTEGR. ESTRUTURAL LDA. | Partner | SME | PORTUGAL | 36 |
| INSTITUT DE SOUDURE (Paris Nord2) | Partner | Research Institute | FRANCE | 35 |
| SOFRATEST S.A. | Partner | SME | FRANCE | 35 |
| PETROLEOS DO BRASIL S.A. | Partner | Large company | BRAZIL | 29 |
| FUNDACAO BRASILEIRA DE TECNOLOGIA DE SOLDAGEM | Partner | Research Institute | BRAZIL | 29 |
| INSTITUTO DE SOLDATURA E QUALIDADE INVESTIGACAO E DESENVOLVIMENTO/DIVISAO ENGENHARIA SISTEMAS | Main | Research Institute | PORTUGAL | 56,3 |
| INTEGRIDADE,SERVICOS DE MANUTENCAO E INTEGR. ESTRUTURAL LDA. | Partner | SME | PORTUGAL | 56,3 |
| METSEARCH B.V. | Partner | SME | NETHERLANDS | 10,7 |
| INNOVATION ENGINEERING CENTRE (COMPANY LTD) - SCUT | Partner | Research Institute | CHINA | |
| LUZHOU NATURAL GAS CHEMICAL INDUSTRIAL CORPORATION | Partner | Large company | CHINA | |
| COMPANHIA DE ELECTRICIDADE DE MACAU, S.A.R.L. | Partner | Large company | CHINA | |
| UNIVERSIDADE DE MACAU | Partner | University | CHINA | 14 |
| SINOPEC TECH - R&D CENTRE (CHINA PETROCHEMICAL CORPORATION) | Partner | Large company | CHINA | |
| ICPM - INSTITUTE OF CORROSION AND PROTECTION OF METALS, CAS | Partner | University | CHINA | |
| BEIJING UNIVERSITY OF CHEMICAL TECHNOLOGY (BUCT) | Partner | University | CHINA | |
| PETROLEOS DO BRASIL S.A. | Partner | Large company | BRAZIL | 19 |
| SUBERCOR | Main | SME | PORTUGAL | 65 |
| INESC-INST. DE ENGENHARIA DE SISTEMAS E COMPUTADORES (PORTO) | Partner | Research Institute | PORTUGAL | 65 |
| SANVICORK | Partner | Large company | SPAIN | |
| IPROCOR (THE CORK, WOOD AND VEGETAL COAL INSTITUTE) | Partner | Governm./Nat. Admin. | SPAIN | 35 |
| INSTITUTO DE SOLDATURA E QUALIDADE INVESTIGACAO E DESENVOLVIMENTO/DIVISAO ENGENHARIA SISTEMAS | Main | Research Institute | PORTUGAL | 59,1 |
| INTEGRIDADE,SERVICOS DE MANUTENCAO E INTEGR. ESTRUTURAL LDA. | Partner | SME | PORTUGAL | 59,1 |
| CETECOM - CENTRO DE TECNOLOGIA DE LA COMUNICACIONES S.A. | Partner | Large company | SPAIN | 15,44 |
| CERN - EUROPEAN LABORATORY FOR PARTICLE PHYSICS CENTRE EUROPEEN DE RECHERCHE NUCLEAIRE | Partner | Research Institute | EUROPEAN UNION | 25,46 |

INFORMATION TECHNOLOGY

| | | | | ANNOUNCED | T. Cost (M€) |
|----------------|------------------------|---|---|-----------------|--------------|
| E! 1892 | EUROENVIRON IQEM | INTEGRATED QUALITY AND ENVIRONMENTAL MANAGEMENT SYSTEM | The Aim Is To Develop Document Management, Expert System, Quality Control And Simulation Models Within An Internet/ Intranet Environment For Combined Iso 9000, Iso 14001 Emas, Safety And Hazardous Operations Management. | 98 LISBON | 0,51 |
| E! 1921 | JAMES | MANAGEMENT OF TELECOMMUNICATION AND DATA NETWORKS USING MOBILE AGENTS AND JAVA LANGUAGE. | The Main Goal Of This Project Is To Apply The Novel Concept Of Mobile Agents To The Management Of Telecommunication Systems And Data Networks. | 98 LISBON | 0,62 |
| E! 1988 | MULTIMEDIA ANTIGONA | ELECTRONIC COMMERCE AND EMAIL WITH VOICE RECOGNITION/ SYNTHESIS. | Development Of An Electronic Commerce Multimedia Solution And An Email Solution Based On A Voice Interface. | 98 LISBON | 1,52 |
| E! 1994 | DIGIGASPEC | IMPROVED GAS RADIATION DETECTOR SPECTROMETER USING DIGITAL SIGNAL PROCESSING TECHNIQUES. | Improved Gas Proportional Counter Based Spectrometer For X-Ray Analysis Will Be Developed Using Digital Pulse Processing Techniques. A Digital Pulse-Height Pc Board Will Be Developed For Gas Detection Based X-Ray Spectrometers. | 98 LISBON | 0,5 |
| E! 2073 | ICOMPLAS | IMPROVED COMMUNICATION AND VISUALISATION IN THE PLASTICS INDUSTRY | The Plastics Industry Suffers From High Overheads Due To Problems That Come To Light At A Later Stage Of The Product Development Process. The Necessary Re-Engineering Activities That Follow Can Be Envisaged By Collaborative 3d Design. | 99 I STANBUL | 2,5 |
| E! 2545 | EUROTURISM FORMATUR | VIRTUAL PLATFORM FOR INTERNET-BASED TRAINING | Creation Of A Management, Administration And Follow-Up Tool For In-Training Teachers And Pupils From Devices With Internet Access And In Real-Time Communication. | 01 MADRID | 0,94 |
| E! 4519 | Safe Luggage | SAFE LUGGAGE PROJECT | To Create A Tracking And Tracing System For Luggage. This Can Be Made Possible With The Incorporation Of An Identification Device In The Bag. This System Will Be Inviolable, Compatible With International Standards And Use State-Of-The-Art Technologies. | 09 LISBON | 0,6 |
| E! 4950 | QIzLearn | INTERACTIVE BOARDS IN LEARNING PROCESSES | The Project QIzlearn Aims To Develop Multimedia Contents For Exploration Of Interactive Boards (Qi) In Learning Processes. It Is Expected To Create A Practical Community, Mediated By Technology, For The Sharing, Reflecting On And Evaluation Of A Portfolio Of Contents For University Level. | 09 LISBON | 0,4 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|---|---------|----------------------|------------------|
| CHIRON, SISTEMAS DE INFORMACAO LDA. | Main | SME | PORTUGAL |
| | | | 60 |
| ESS - ENVIRONMENTAL SOFTWARE & SERVICES GMBH | Partner | SME | AUSTRIA |
| | | | 40 |
| SIEMENS S.A. | Main | Large company | PORTUGAL |
| UNIVERSIDADE DE COIMBRA/FACULTADE DE CIENCIAS E TECNOLOGIA | Partner | University | PORTUGAL |
| | | | 72 |
| SIEMENS AG | Partner | Large company | GERMANY |
| | | | 28 |
| NEOSIS, SISTEMAS E TECNOLOGIAS DE INFORMACAO S.A. | Main | SME | PORTUGAL |
| UNIVERSIDADE DE PORTO/FACULDADE DE ENGENHARIA | Partner | University | PORTUGAL |
| ESCOLA SUPERIOR DE TECNOLOGIA E GESTAO | Partner | University | PORTUGAL |
| CENTRO DE SERV. AVANZ. DE TELECOMMUNICACIONES DE GALACIA S.A. | Partner | SME | SPAIN |
| UNIVERSIDADE DE VIGO/TECHNOLOGY COMMUNICATION DEPARTMENT | Partner | University | SPAIN |
| | | | 55 |
| UC - DEPARTAMENTO DE FISICA / CENTRO DE INSTRUMENTACAO UNIVERSIDADE DE COIMBRA | Main | University | PORTUGAL |
| | | | 70 |
| CAPA ALFA, INSTRUMENTACAO E ANALISE LABORATORIAL LDA. | Partner | SME | PORTUGAL |
| | | | 70 |
| METOREX INTERNATIONAL OY | Partner | SME | FINLAND |
| | | | 30 |
| ASSOCIACAO DESENVOLVIMENTO DAS TELECOM. E TEC.DE INFORMATICA | Main | Research Institute | PORTUGAL |
| TECNIMOPLAS | Partner | SME | PORTUGAL |
| | | | 50 |
| UNIVERSIDAD DE LAS ISLAS BALEARES/COMPUTER SCIENCES DEPT. | Partner | University | SPAIN |
| | | | 50 |
| COMPENDITUR-ESTUDOS E FORM.EM HOTEL E TURISMO UNIPESSOAL.LDA | Main | SME | PORTUGAL |
| | | | 32,5 |
| DATA CONTROL FORMACION | Partner | SME | SPAIN |
| | | | 67,5 |
| DATA CONTROL SERVICIOS INFORMATICOS | Partner | SME | SPAIN |
| | | | 67,5 |
| LEVELCOM | Partner | SME | SPAIN |
| SETSA - SOC. DE ENGENHARIA E TRANSF. S.A. (IBEROMOLDES) | Main | Large company | PORTUGAL |
| ANA - AEROPORTOS DE PORTUGAL S.A. | Partner | Large company | PORTUGAL |
| Critical Software S.A. | Partner | SME | PORTUGAL |
| TECMIC - Tecnologias de Microelectronica, S.A. | Partner | SME | PORTUGAL |
| | | | 69,99 |
| INESC INOVACAO, INSTITUTO DE NOVAS TECNOLOGIAS | Partner | Research Institute | PORTUGAL |
| PIEP ASSOCIAÇÃO - POLO DE INOVACAO EM ENGENHARIA DE POLIMEROS | Partner | Research Institute | PORTUGAL |
| INTERNATIONAL AIR TRANSPORT AUTHORITY (IATA) | Partner | Governm./Nat. Admin. | SWITZERLAND |
| | | | 30,01 |
| NAUTILUS - IND E COM MOBILIARIO, SA | Main | SME | PORTUGAL |
| | | | 70 |
| UNIVERSIDADE CATOLICA PORT./ESCOLA SUPERIOR DE BIOTECNOLOGIA DA UCP | Partner | University | PORTUGAL |
| PROMETHEAN LTD | Partner | Large company | UNITED KINGDOM |
| | | | 30 |

INFORMATION TECHNOLOGY

ANNOUNCED

T. Cost (M€)

| | | | | | |
|----------------|-------------|--|---|--------------|-------|
| E! 4966 | PULSE | PULSE: REAL-TIME BUSINESS INTELLIGENCE | The Project Aims To Develop A Business Intelligence Product Capable Of Processing Thousands Of Events Per Second, Continuously Producing Updated Business Information. By Using Pulse, Companies Can Continuously Monitor Their Businesses, Reacting To New Information Proactively And In Real-Time. | 09 LISBON | 0,24 |
| E! 4982 | SKILLED ART | SKILLED ART - INTERFACES AND ASSOCIATED STRATEGIES FOR TRANSDISCIPLINARY COMMUNITIES OF KNOWLEDGE | Skilled Art Is A Project On Interface Research And Development And Associated Strategies For The Creation And Maintenance Of Transdisciplinary Communities Of Knowledge. Telematic Communication Between Physical Spaces, For Virtual Interaction In The Context Of E-Learning, Is Its Main Focus. | 09 LISBON | 0,59 |
| E! 5002 | SELL | SMART ENERGY FOR LEVERING LPG USE | Two New Informatics Platforms And A New Service Will Be Developed To Reduce Logistics Costs In The Lpg (Liquid Petroleum Gas) Distribution And To Offer Better Telemetry Services To The Lpg Final Consumers. | 09 LISBON | 0,89 |
| E! 379 | SOUR | SOFTWARE USE AND Re-USE: COMPUTERISED REQUIREMENTS AND METHOD | Method, Tools And Supporting Environment For Software Development, With The Specific Goal Of Making Re-Usability Practical And Effective. | 89 VIENNA | 14,11 |
| E! 524 | GENELEX | GENERIC LEXICON | Build Machine-Readable Mono-Lingual Dictionaries (One For Each Language) For Use In The Natural Language Processing (Nlp) Industry | 90 ROME | 35,7 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|---|-------------|--------------------|-------------------|
| | Main | SME | PORUGAL |
| FeedZai - Consultadaria e Inovacao Tecnologica | | | 75 |
| Kantega | Partner | SME | NORWAY 25 |
| Artshare - Investigacao, Tecnologia e Arte, Lda. | Main | SME | PORUGAL 74 |
| Universidade de Aveiro | Partner | University | PORUGAL 74 |
| University of Porto | Partner | University | PORUGAL 74 |
| Plymouth Univeristy / Faculty of Technology / THE PLANETARY COLLEGIUM - CAiiA hub | Partner | University | U. KINGDOM 26 |
| ISA - Intelligent Sensing Anywhere SA | Main | SME | PORUGAL 40 |
| Energy Optimizers Limited | Partner | SME | U. KINGDOM 60 |
| Efergy Limited | Partner | SME | U. KINGDOM 60 |
| OIS ITALIA S.P.A. | Main | Large company | ITALY 84 |
| INFOQUALITY | Partner | Large company | ITALY 84 |
| SYNTEX SISTEMI SOFTWARE S.P.A. | Partner | Large company | ITALY 84 |
| OLIVETTI INFORMATION SERVICES RICERCA S.C.P.A. | Partner | Large company | ITALY 84 |
| OLIVETTI INFORMATION SERVICES RICERCA S.C.P.A. (MILANO) | Partner | Large company | ITALY 84 |
| INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES (LISBOA) | Partner | Research Institute | PORUGAL 16 |
| SEMA GROUP FRANCE (MONTROUGE) | Main | Large company | FRANCE 55 |
| LEXIQUEST | Partner | SME | FRANCE 55 |
| HACHETTE S.A. | Partner | Large company | FRANCE 55 |
| I.B.M. FRANCE / CENTRE SCIENTIFIQUE (PARIS-LA DEFENSE) | Partner | Large company | FRANCE 55 |
| UNIV. DE PARIS/LAB AUTOMATION DE DOCUMENTAT. ET LINGUISTIQUE UNIVERSITE DE PARIS VII | Partner | University | FRANCE 55 |
| LEXICON S.R.L. | Partner | SME | ITALY 28 |
| UNIVERSITA DI SALERNO / ISTITUTO DI LINGUISTICA | Partner | University | ITALY 28 |
| UNIVERSITA DI PISA / DIPARTIMENTO DI INGEGNERIA | Partner | University | ITALY 28 |
| SERV.EDI S.R.L. | Partner | Large company | ITALY 28 |
| INSTITUTO DE LINGUISTICA TEORICA E COMPUTACIONAL | Partner | Research Institute | PORUGAL 1 |
| SALVAT EDITORES S.A. | Partner | SME | SPAIN 16 |
| UNIVERSITAT AUTONOMA DE BARCELONA / DEPT DE FILOGIA | Partner | University | SPAIN 16 |
| TECSIDEL | Partner | SME | SPAIN 16 |

INFORMATION TECHNOLOGY

ANNOUNCED

T. Cost (M€)

| | | | | | |
|--------|-------------|---|---|-----------------|-------|
| E! 579 | JAMIE | JOINT ANALOGUE MICROSYSTEM INITIATIVE OF EUROPE | A Concept For The Design And Production Of Mixed Analogue/ Digital Application-Specific Integrated Circuits (Asics). Goal: Achieve High Performance Functions On Short Channel Cmos Processes In A Technology Independent Design Style. | 91 THE HAGUE | 10,86 |
| E! 606 | ACROPOL | AUDITION OF CITIZENS AND RESEARCH OF THEIR PARTICIPATION IN ORGANISED CITY LIFE | Building And Testing Of Products Which Will Provide A New Generation Of Public Information Systems | 92 TAMPERE | 28,08 |
| E! 625 | VADIS (IMP) | VIDEO-AUDIO DIGITAL INTERACTIVE SYSTEM. DIGITAL TELEVISION AT BIT RATES UP TO ABOUT 10MBIT/S. | Development Of A European Enabling Technology For Digital Television At Bit Rates Up To About 10mbit/s, Including The Development Of Related Microelectronics. | 91 THE HAGUE | 48,49 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|---|---------|----------------------|------------------|
| PHILIPS SEMICONDUCTORS GRATKORN GMBH | Main | Large company | AUSTRIA 63,2 |
| AUSTRIA MIKRO SYSTEME INTERNATIONAL AG | Partner | Large company | AUSTRIA 63,2 |
| JOANNEUM FORSCHUNGS GMBH/ELECTRONIC SYSTEMS DESIGN INSTITUTE | Partner | Research Institute | AUSTRIA 63,2 |
| DOLPHIN INTEGRATION S.A. | Partner | SME | FRANCE 8,9 |
| ERA | Partner | Research Institute | U.KINGDOM 11,9 |
| IST - GRUPO DE CIRCUITOS E SISTEMAS INTEGRADOS INSTITUTO SUPERIOR TECNICO/UNIVERSIDADE TECNICA DE LISBOA | Partner | University | PORTUGAL 16 |
| BULL S.A. (LOUVECIENNES) | Main | Large company | FRANCE 50 |
| TDF-CCETT S.A. (CESSON-SEVIGNE) CENTRE COM.D'ETUDES DE TELEDIFFUSION ET DE TELECOMMUNICATION | Partner | Large company | FRANCE 50 |
| CITY COUNCIL OF NANCY | Partner | Governm./Nat. Admin. | FRANCE 50 |
| SILOGIA | Partner | SME | FRANCE 50 |
| SOCIETE INDUSTRIELLE D'AUTOMATISATION BANCAIRE S.A. (SIAB) | Partner | SME | FRANCE 50 |
| IFATEC (ST. QUENTIN-EN-YVELINES) | Partner | SME | FRANCE 50 |
| ROCHESTER CITY COUNCIL | Partner | Governm./Nat. Admin. | U. KINGDOM 6 |
| NTUA - C.M.S.U. / NATIONAL TECHNICAL UNIVERSITY OF ATHENS | Partner | University | GREECE 1 |
| AMMINISTRAZIONE COMUNALE DI BERGAMO | Partner | Governm./Nat. Admin. | ITALY 23 |
| OLIVETTI SYSTEMS & NETWORKS S.P.A. | Partner | Large company | ITALY 23 |
| F7 - CONSULTORIA EM ENGENHARIA E SISTEMAS S.A. | Partner | SME | PORTUGAL 15 |
| CAMERA DE CASCAIS | Partner | Governm./Nat. Admin. | PORTUGAL 15 |
| AYUNTAMIENTO DE VALLADOLID | Partner | Governm./Nat. Admin. | SPAIN 5 |
| CSELT-CENTRO STUDI E LABORATORI TELECOMUNICAZIONI S.P.A. | Main | Research Institute | ITALY 19,9 |
| RAI - RADIOTELEVISIONE ITALIANA S.P.A. / CENTRO RICERCHE | Partner | Governm./Nat. Admin. | ITALY 19,9 |
| ITALTEL - SOCIETA ITALIANA TELECOMUNICAZIONI S.P.A. | Partner | Large company | ITALY 19,9 |
| PHILIPS FIMI S.R.L. | Partner | Large company | ITALY 19,9 |
| TDF-CCETT S.A. (CESSON-SEVIGNE) CENTRE COM.D'ETUDES DE TELEDIFFUSION ET DE TELECOMMUNICATION | Partner | Large company | FRANCE 37,8 |
| ENST - ECOLE NATIONALE SUPERIEURE DES TELECOMMUNICATIONS | Partner | University | FRANCE 37,8 |
| SGS-THOMSON MICROELECTRONIQUES/LABORATOIRES ELECTRONIQUES | Partner | Large company | FRANCE 37,8 |
| LABORATOIRES D'ELECTRONIQUE PHILIPS LEP | Partner | Large company | FRANCE 37,8 |
| ASPEX MICROELECTRONICS LIMITED | Partner | SME | U. KINGDOM 12,5 |

INFORMATION TECHNOLOGY

| | | | ANNOUNCED | T. Cost (M€) |
|---------------|-------------|---|---|--------------|
| E! 625 | VADIS (IMP) | VIDEO-AUDIO DIGITAL INTERACTIVE SYSTEM. DIGITAL TELEVISION AT BIT RATES UP TO ABOUT 10MBIT/S. | Development Of A European Enabling Technology For Digital Television At Bit Rates Up To About 10mbit/S, Including The Development Of Related Microelectronics. 91 THE HAGUE | 48,49 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|--|---------|----------------------|------------------|
| SGS-THOMSON MICROELECTRONICS | Partner | Large company | U. KINGDOM |
| BRITISH BROADCASTING CORPORATION/R & D DEPARTMENT (TADWORTH) | Partner | Governm./Nat. Admin. | U. KINGDOM |
| PHILIPS RESEARCH LABORATORIES | Partner | Research Institute | U. KINGDOM |
| NATIONAL TRANSCOMMUNICATIONS LIMITED | Partner | Large company | U. KINGDOM |
| INTRACOM S.A. HELLENIC TELECOMMUNIC. & ELECTRONIC INDUSTRIES | Partner | Large company | GREECE |
| NTUA - DEPARTMENT OF ELECTRICAL ENGINEERING NATIONAL TECHNICAL UNIVERSITY OF ATHENS | Partner | University | GREECE |
| KPN - KONINKLIJKE PTT NEDERLAND N.V. (LEIDSCHENDAM) | Partner | Large company | NETHERLANDS |
| EUROPEAN SPACE AGENCY (ESTEC) | Partner | Governm./Nat. Admin. | NETHERLANDS |
| TELEVERKETS FORSKNINGSSINTITUTT (NORWEGIAN TELECOM) | Partner | Research Institute | NORWAY |
| INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES (LISBOA) | Partner | Research Institute | PORTUGAL |
| TELIA RESEARCH AB | Partner | SME | SWEDEN |
| BILKENT UNIV.OF ANKARA /ELECTRICAL & ELECTRONIC ENGINEERING | Partner | University | TURKEY |
| UCL - TELECOMMUNICATIONS & REMOTE SENSING LABORATORY UNIVERSITE CATHOLIQUE DE LOUVAIN | Partner | University | BELGIUM |
| KUL - ESAT MICAS / KATHOLIEKE UNIVERSITEIT LEUVEN | Partner | University | BELGIUM |
| BELGACOM S.A. | Partner | Large company | BELGIUM |
| EPFL - CENTRE DE CONCEPTION DE CIRCUITS INTEGRES (C3I) ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE | Partner | Research Institute | SWITZERLAND |
| DEUTSCHE TELEKOM BERKOM GMBH | Partner | Large company | GERMANY |
| INSTITUT FUER RUNDFUNKTECHNIK GMBH | Partner | Research Institute | GERMANY |
| TELENORMA UHREN GMBH | Partner | Large company | GERMANY |
| HEINRICH-HERTZ-INSTITUT FUER NACHRICHTENTECHNIK BERLIN GMBH | Partner | Research Institute | GERMANY |
| DEUTSCHE THOMSON-BRANDT GMBH (HANNOVER) | Partner | Large company | GERMANY |
| UPM/ESCUELA TECNICA SUPERIOR INGENIEROS DE TELECOMUNICACION UNIVERSIDAD POLITECNICA DE MADRID | Partner | University | SPAIN |
| ENTE PUBLICO RETEVISION S.A. | Partner | Governm./Nat. Admin. | SPAIN |
| TELEFONICA DE ESPANA S.A. | Partner | Governm./Nat. Admin. | SPAIN |
| NOKIA MATYKAPUHELIMET OY | Partner | Large company | FINLAND |
| MATRA NORTEL COMMUNICATIONS | Partner | Large company | FRANCE |

INFORMATION TECHNOLOGY

| | | | ANNOUNCED | T. Cost (M€) |
|---------------|-------------|--|---|------------------------|
| E! 676 | EUROLANG | EUROPEAN LANGUAGES | Develop A Second Generation, Machine-Aided Translation System In Three Years For Ten Language Pairs: French/English German/English, French/German, Spanish/English And Italian/English. | 92 TAMPERE 69,84 |
| E! 731 | GRAAL (IMP) | GRAMMARS WHICH CAN BE RE-USSED TO AUTOMATICALLY ANALYSE LANGUAGES (PHASE II) | Development Of A Set Of Grammars Which Can Be Re-Used In Many Different Application Areas Together With The Tools Which Will Support The Customization Of The Grammars And Their Integration Into A Special Application Environment | 93 PARIS 26 |

| PARTICIPANTS | ROLE | CONTRIBUTION (%) |
|---|---------|------------------|
| SONOVISION ITEP TECHNOLOGIES | Main | FRANCE |
| GETA | Partner | FRANCE |
| UNIV. DE PARIS/LAB.AUTOMATION DE DOCUMENTAT. ET LINGUISTIQUE UNIVERSITE DE PARIS VII | Partner | FRANCE |
| MATRA MARCONI SPACE FRANCE S.A. | Partner | FRANCE |
| CAP GEMINI INNOVATION (PARIS) | Partner | FRANCE |
| CENTRE NATIONAL D'ETUDES DES TELECOMMUNICATIONS (NLP) | Partner | FRANCE |
| CAP GEMINI INNOVATION (MONTROUGE) | Partner | FRANCE |
| KRUPP-FORDER TECHNIK TMBA (DUISBURG) | Partner | GERMANY |
| SIEMENS NIXDORF INFORMATIONSSYSTEME AG | Partner | GERMANY |
| THAMUS - CONSORZIO DI RICERCA INDUSTRIALE | Partner | ITALY |
| LEXICON S.R.L. | Partner | ITALY |
| GRUPPO DIMA | Partner | ITALY |
| UNIVERSITA DI SALERNO / ISTITUTO DI LINGUISTICA | Partner | ITALY |
| UNIVERSITA DI PISA/ISTITUTO DI LINGUISTICA COMPUTAZIONALE / CONSORZIO PISA | Partner | ITALY |
| INSTITUTO DE LINGUISTICA TEORICA E COMPUTACIONAL | Partner | PORTUGAL |
| PROMPT COMPANY | Partner | RUSSIAN FED. |
| RUSSIAN ACADEMY OF SCIENCES/INSTITUTE OF RUSSIAN LANGUAGE | Partner | RUSSIAN FED. |
| RUSSIAN ACADEMY OF SCIENCES/INFORM.TRANSMISSION PROBLINST. | Partner | RUSSIAN FED. |
| BASE DOCUMENTAL DE LA EMPRESA S.A. | Partner | SPAIN |
| UNIVERSITAT AUTONOMA DE BARCELONA / DEPT DE FILOGIA | Partner | SPAIN |
| UNIV.DE BARCELONA/GR. DE INVESTIGACION EN LING.COMPUTACIONAL | Partner | SPAIN |
| VOLVO DATA AB | Partner | SWEDEN |
| SIEMENS NIXDORF INFORMATIONSSYSTAM AB | Partner | SWEDEN |
| INFOLOGICS AB (GOETEBORG) | Partner | SWEDEN |
| SPRAKDATA | Partner | SWEDEN |
| LEXIQUEST | Main | FRANCE |
| ELECTRICITE DE FRANCE (CLAMART) | Partner | FRANCE |
| AEROSPATIALE S.N.I. S.A. - SIEGE (PARIS) | Partner | FRANCE |
| RENAULT VEHICULES INDUSTRIELS S.A. (SURESNES) | Partner | FRANCE |
| LINGSOFT OY | Partner | FINLAND |
| OY NOKIA AB - RESEARCH CENTRE | Partner | FINLAND |
| F.O.R.T.H. / INSTITUTE OF ELECTRONIC STRUCTURES AND LASERS(IESL) | Partner | GREECE |
| SARITEL | Partner | ITALY |
| INSTITUTO DE LINGUISTICA TEORICA E COMPUTACIONAL | Partner | PORTUGAL |
| UNIV. GENEVE/INST. DALLE MOLLE PER LES ETUDES SEM. ET COGN. | Partner | SWITZERLAND |

INFORMATION TECHNOLOGY

ANNOUNCED

T. Cost (M€)

| | | | | | |
|----------------|---------------------|--|---|-------------------|------|
| E! 993 | COSTAIM | COST MODELS FOR HOSPITALS AND LOCAL COMMUNITIES | Development Of Two Software Packages To Advise On Sharing Of Production Costs, To Give Decision Support And To Optimise Costs For Hospitals And Local Communities. | 93 PARIS | 13,6 |
| E! 1052 | SHOPPING 2000 (IMP) | IMPROVEMENT OF THE SALES PROCESS IN THE RETAIL SECTOR | Improvement Of Sales And Efficiency In All Parts Of The Retail Sector Through The Implementation And Further Development Of Information Technology Systems. | 94 LILLEHAMMER | 22 |
| E! 1135 | SCI | SOFTWARE COMPONENTS FOR INDUSTRY | A Software Component Policy Will Be Set Up And Demonstrated Through: Experimentation On Realistic Industrial Examples, Produced Software Components, Re-Use, Certification And Production And Evaluation Technology Developments. | 94 LILLEHAMMER | 6,43 |
| E! 1213 | DELTACOLD | ELECTRONIC SYSTEM FOR HANDLING AND STORING LARGE AMOUNTS OF INFORMATION | Software Designed For Storing, Handling And Visualising Large Quantities Of Lists In A User-Friendly, Cost Effective Mode. | 95 INTERLAKEN | 0,79 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|---|---------|----------------------|------------------|
| SOPRA S.A. (ECULLY) / SOCIETE DE PRODUCTION ET RECHERCHES APPLIQUEES | Main | Large company | FRANCE |
| HOPITAL UNIVERSITAIRE DE NANTES | Partner | Research Institute | FRANCE |
| HOPITAL GENERAL DE NEUILLY SUR SEINE | Partner | Research Institute | FRANCE |
| BULL S.A. (LOUVECIENNES) | Partner | Large company | FRANCE |
| CITY LIBERAL STUDIES | Partner | Research Institute | GREECE |
| EPSILON GROUP | Partner | SME | GREECE |
| MINISTERIO DA SAUDE - DIRECCAO GERAL DOS HOSPITAIS | Partner | Governm./Nat. Admin. | PORTUGAL |
| INESC-INST. DE ENGENHARIA DE SISTEMAS E COMPUTADORES (PORTO) | Partner | Research Institute | PORTUGAL |
| DESENVOLVE COMERCIALIZACAO DE TECNOLOGIAS DE INFORMACAO S.A. | Partner | Large company | PORTUGAL |
| NOVABASE - SISTEMAS DE INFORMACAO S.A. | Partner | SME | PORTUGAL |
| REGIAO SAUDE DE LISBOA E VALE TEJO | Partner | Governm./Nat. Admin. | PORTUGAL |
| SUB-REGIAO DE SAUDE DE SANTAREM | Partner | Governm./Nat. Admin. | PORTUGAL |
| HOSPITAL DE SAO FRANCISCO XAVIER | Partner | Research Institute | PORTUGAL |
| SUB-REGIAO DE SAUDE DE SETUBAL | Partner | Governm./Nat. Admin. | PORTUGAL |
| SUB-REGIAO DE SAUDE DE LISBOA | Partner | Governm./Nat. Admin. | PORTUGAL |
| BULL S.A. (LOUVECIENNES) | Main | Large company | FRANCE |
| SAMTER UND PARTNER | Partner | SME | GERMANY |
| M.V.M. | Partner | Large company | FRANCE |
| CONFORAMA MANAGEMENT SERVICES | Partner | Large company | FRANCE |
| GENCOD EAN FRANCE | Partner | SME | FRANCE |
| SIGMA INFORMATIQUE | Partner | SME | FRANCE |
| PAC S.A. | Partner | SME | FRANCE |
| LEROY MERLIN | Partner | Large company | FRANCE |
| COOPERATIVE IN- EN VERKOOPVERENIGING BECO B.A. | Partner | Large company | NETHERLANDS |
| AUCHAN GROUP | Partner | Large company | PORTUGAL |
| BULL PORTUGUESA COMPUTADORES LDA. | Partner | Large company | PORTUGAL |
| VERILOG S.A. | Main | Large company | FRANCE |
| INRIA (LE CHESNAY) / INST. NATIONAL DE RECHERCHE EN INFORMATIQUE ET AUTOMATIQUE | Partner | Research Institute | FRANCE |
| KEMA NEDERLAND B.V. | Partner | Large company | NETHERLANDS |
| NOVABASE - SISTEMAS DE INFORMACAO S.A. | Partner | SME | PORTUGAL |
| INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES (LISBOA) | Partner | Research Institute | PORTUGAL |
| PROCO S.A. | Main | SME | SPAIN |
| CALIBRA S.L. | Partner | SME | SPAIN |
| CENTRE DE ORGANIZACAO E MICROFILMAGEM LDA. | Partner | SME | PORTUGAL |

INFORMATION TECHNOLOGY

ANNOUNCED T. Cost (M€)

| | | | | | | |
|----------------|----------------------|---|---|----|----------|-------|
| E! 1299 | ADAGE | DECISION SUPPORT SYSTEM FOR SUSTAINABLE ENVIRONMENT MANAGEMENT | Provision Of A Complete Workbench To Develop Specific Decision Support Applications For Environmental Management. Evaluation Of Environmental Impact Of New Important Projects Such As: Transport Networks/Bridges/Highways/Airports, Etc. | 96 | BRUSSELS | 6,46 |
| E! 1507 | VIDEORATINGS | INTERACTIVE VIDEORATING SERVICE | Interactive On-Line Service Development: Presentation Environment For Video Frames/Audience Metrics, Production System (Storage/Format Conversion/Data Compression), Mm-Data Delivery (Dispatching): Service On Rsdi/Atm, As Cd-Rom Series | 96 | BRUSSELS | 0,75 |
| E! 1707 | STICK | DESIGN AND DEVELOPMENT OF A LOW-COST, POINT-OF-SALE (POS) TERMINAL | Development Of A Product Providing Computerised Management For Small Businesses, With Special Emphasis On To Public And Private Communication Networks (Home Banking, Electronic Recoveries (Payments), Databases, Etc.). | 97 | LONDON | 0,5 |
| E! 1887 | MULTIMEDIA TALLERNET | INTEGRAL MANAGEMENT APPLICATION FOR THE REPAIR SHOP SECTOR AT NATIONAL AND INTERNATIONAL LEVEL. | Development Of An Advanced Intranet Application For The Car Repair Shops Sector. | 98 | LISBON | 1,61 |
| E! 2231 | EUROTURISM TOPKITS | TOURISM PLANNING VIA KNOWLEDGE-BASED INFORMATION TECHNOLOGY UNDER SUSTAINABLE CONDITIONS. | This Project Will Assist Governmental Tourism Departments In Evaluation In Terms Of Sustainability And The Impact Of Tourism Projects In Their Definition Phase And Also Monitor Expected Sustainable Performance During The Execution Phase. | 00 | HANOVER | 1,6 |
| E! 2235 | IKF | INFORMATION AND KNOWLEDGE FUSION | The Aim Is To Develop A Distributed Infrastructure And Services System (Ikf Framework) With Appropriate Toolkits And Techniques, For Knowledge Discovery/Fusion And Presentation In Different Application Areas. | 00 | HANOVER | 14,14 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|--|---------|--------------------|------------------|
| ALCATEL SPACE INDUSTRIES (SIEGE) | Main | Large company | FRANCE |
| INSTITUT POUR LE DEVELOPPEMENT (IRD) | Partner | Research Institute | FRANCE |
| EID-EMPRESA DE INVESTIGACAO E DESENVOLV. DE ELECTRONICA S.A. | Partner | SME | PORTUGAL |
| INSTITUTO DE SOLDATURA E QUALIDADE INVESTIGACAO E DESENVOLVIMENTO/DIVISAO ENGENHARIA SISTEMAS | Partner | Research Institute | PORTUGAL |
| JRC - INSTITUTE FOR SYSTEMS ENGINEERING AND INFORMATICS JOINT RESEARCH CENTRE | Partner | Research Institute | EU |
| CORPORACION MULTIMEDIA S.A. | Main | SME | SPAIN |
| SOFRES AUDIENCIA DE MEDIOS | Partner | SME | SPAIN |
| ECOTEL PORTUGAL | Partner | SME | PORTUGAL |
| ELECTROVAC S.A. | Main | SME | SPAIN |
| BPM PORTUGAL - INFORMATICA LDA. | Partner | SME | PORTUGAL |
| ISONET S.A. | Main | SME | SPAIN |
| GICON-GABINETE DE SISTEMAS INFORMATICA E CONSULTADORES, LDA | Partner | SME | PORTUGAL |
| TAO TECNICS EN AUTOMATITZACIO D'OFICINES S.A. | Main | SME | SPAIN |
| PLANAD INTERNACIONAL | Partner | SME | PORTUGAL |
| NOMOS SISTEMA S.P.A. | Main | Large company | ITALY |
| ACSE S.R.L. | Partner | SME | ITALY |
| UNIVERSITY OF MILAN/COMPUTER SCIENCES DEPT./CREMA DIVISION | Partner | University | ITALY |

INFORMATION TECHNOLOGY

ANNOUNCED

T. Cost (M€)

| | | | | | |
|----------------|---------------------------|--|---|---------------|-------|
| E! 2235 | IKF | INFORMATION AND KNOWLEDGE FUSION | The Aim Is To Develop A Distributed Infrastructure And Services System (Ikf Framework) With Appropriate Toolkits And Techniques, For Knowledge Discovery/Fusion And Presentation In Different Application Areas. | 00 HANOVER | 14,14 |
| E! 2477 | MULTIMEDIA EUROKNOWNET | EUROPEAN KNOWLEDGE MANAGEMENT NETWORK | Development Of A Knowledge Management Platform To Create, Share And Exchange Knowledge And Expertise Within A Network Of Enterprises. The Platform Will Make It Possible To Build Learning Organisations. | 01 MADRID | 0,82 |
| E! 2524 | EUROTURISM ASITEC | ADVANCED SYSTEM LEADING TO THE INTRODUCTION OF INTELLIGENT ECOLOGICAL TECHNOLOGIES IN EUROPEAN TOURIST COUNCILS | New Technologies Will Be Developed/Applied In A Sustained And Integrated Way In Order To Obtain Better Quality Of Life For Citizens By Reducing The Negative Environmental Impact And Better Management Of Council Resources. | 01 MADRID | 9,68 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|--|---------|----------------------|------------------|
| C.N.R. - ISTITUTO DI SISTEMISTICA E BIOINGEGNERIA (LADSEB) | Partner | Research Institute | ITALY |
| SELESTA AUDITING S.R.L. | Partner | SME | ITALY |
| ELSAG BANKLAB S.P.A. | Partner | Large company | ITALY |
| O. GROUP TECHNOLOGY S.P.A. | Partner | Large company | ITALY |
| UNIVERSITY OF SANNIO/FACULTY OF ENGINEERING AT BENEVENTO | Partner | University | ITALY |
| MORPHOLOGIC LTD. | Partner | SME | HUNGARY |
| TECHNICAL UNIVERSITY OF BUDAPEST/MEASUREMENT & INFO SYS.DEPT | Partner | University | HUNGARY |
| BUDAPEST UNI.OF ECONOMIC SCIENCES/TECHNOLOGY TRANSFER CENTRE | Partner | University | HUNGARY |
| ML-CONSULTING AND COMPUTING LTD. | Partner | SME | HUNGARY |
| UNIVERSIDADE DO MINHO/DEPARTAMENTO DE INFORMATICA | Partner | University | PORTUGAL |
| SIDEREUS - SISTEMAS DE INFORMACAO E CONSULTORIA INFORM. LDA. | Partner | SME | PORTUGAL |
| PARADIGMAXIS - ARQUITECTURA A ENGENHARIA DE SOFTWARE S.A. | Partner | SME | PORTUGAL |
| GESTLUZ - CONSULTORES DE GESTAO LDA. | Partner | SME | PORTUGAL |
| AEP - ASSOCIACAO EMPRESARIAL DE PORTUGAL | Partner | Large company | PORTUGAL |
| IPACRI BUCHAREST SRL | Partner | SME | ROMANIA |
| ICI - NATIONAL INSTITUTE FOR RESEARCH AND DEVELOPMENT IN INFORMATICS | Partner | Research Institute | ROMANIA |
| IP DEVEL SRL | Partner | SME | ROMANIA |
| AUTOMATION PROCESS CONTROL/COMPUTER SCIENCES RESEARCH CENTRE | Partner | University | ROMANIA |
| UNIV. OF GRENADA/COMPUTER SCIENCE & ARTIFICIAL INTELLIGENCE | Partner | University | SPAIN |
| EMPRESA PUBLICA DE EMERGENCIAS EPES | Partner | Governm./Nat. Admin. | SPAIN |
| HOSPITAL CLINICO SAN CECILIO | Partner | Governm./Nat. Admin. | SPAIN |
| WORTHWHILEWEB LTD. | Partner | SME | UNITED KINGDOM |
| UWE - INTELLIGENT COMPUTER SYSTEMS CENTRE (ICSC) UNIVERSITY OF THE WEST OF ENGLAND AT BRISTOL | Partner | University | UNITED KINGDOM |
| NPOWER LTD. | Partner | SME | UNITED KINGDOM |
| OVERLAP CONSULTORES EN MARKETING Y FORMACION S.A. | Main | SME | SPAIN |
| HOMENS & SISTEMAS,ORGANAZACAO E DESENVOLVIMENTO DE EMPR.S.A. | Partner | SME | PORTUGAL |
| TOWN COUNCIL OF ADEJE (TENERIFE) | Main | Governm./Nat. Admin. | SPAIN |
| REGIAO DE TURISMO DO VERDE MINHO | Partner | Governm./Nat. Admin. | PORTUGAL |
| TUB - EMPRESA DE TRANSPORTES URBANOS DE BRAGA - E.M. | Partner | SME | PORTUGAL |
| AGERE - EMPRESA DE AGUAS, EFLUENTES E RESIDUOS DE BRAGA-E.M. | Partner | SME | PORTUGAL |

INFORMATION TECHNOLOGY

ANNOUNCED T. Cost (M€)

| | | | | | |
|----------------|---------------------|--|---|--------------------|------|
| E! 2620 | FACTORY E-MOULD | MOULD MAKING IN AN INTERNET-WORKED WORLD | E-Mould Aims To Undertake Research And Development On The Next Generation Of Mould Design Software, Concentrating On The Benefits Of Emerging Web Technology And Intelligent Automation. | O2 THESSALONIKI | 4,97 |
| E! 2786 | EMKT CENTER | E-MARKETING CENTRE FOR THE DEPLOYMENT OF INTERACTIVE TV-MARKETING SERVICES IN THE ENVIRONMENT OF DIGITAL TV. | E-Mkt Centre Constitutes A Platform Independent Solution InThe Environment Of Interactive Digital Tv, Whose Main Goal Is The Development Of A Set Of Tools For The Collection And Accurate Treatment Of Precise Audience Measurement Data. | O2 THESSALONIKI | 2,12 |
| E! 2964 | STEREOVISOR | CARTOGRAPHIC VISUALISOR | The Cartographic Visualisor Is An Independent Application That Enables Cartographic Data To Be Visualised For Raster Formats, Vectorial And Alphanumeric Information. | O4 PARIS | 1,05 |
| E! 3193 | EUROTURISM IRIS 100 | SOFTWARE DEVELOPMENT FOR A LEISURE PARK | By Means Of Cameras This System Coordinates The Number Of Pos (Point Of Sale) And Employers Who Are Supposed To Work At Each Restaurant, Reporting On Line About The Lack Of Staff. It Also Allows The Clients To Book A Table At Any Place In The Teme Park. | O4 PARIS | 1 |
| E! 3266 | WEBAIR | WEB-BASED AIR QUALITY ASSESSMENT AND MANAGEMENT | Webair Builds A Web-Based Real-Time Multi-Media Information And Decision Support System For Urban And Industrial Air Quality Assessment And Management Integrating On-Line Monitoring And Modelling, In Support Of Relevant European Directives. | O4 PARIS | 5,5 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|---|---------|----------------------|--------------------|
| DELCAM PLC | Main | SME | U. KINGDOM |
| ROSTI MOULD TOOLS (HASTINGS) LTD. | Partner | Large company | U. KINGDOM |
| ARRK PRODUCT DEVELOPMENT GROUP LTD. | Partner | SME | U. KINGDOM |
| WHITEHEAD PRECISION ENGINEERING LTD. | Partner | SME | U. KINGDOM |
| GAUGE AND TOOLMAKERS ASSOCIATION | Partner | Governm./Nat. Admin. | U. KINGDOM |
| MOLDECAR INDUSTRIA DE MOLDES LDA | Partner | SME | PORTUGAL |
| ASCAMM | Partner | Governm./Nat. Admin. | SPAIN |
| BYM BILGISAYAR ILE YONETIM VE MUHENDISLIK UYGULAMALARI A.S. | Partner | SME | TURKEY |
| FRESH INTERACTIVE TECHNOLOGIES S.A. RESEARCH AND DEVELOPMENT DEPARTMENT | Main | SME | SPAIN |
| INSTITUTO CATALAN DE TECNOLOGIA - ICT | Partner | Research Institute | SPAIN |
| SOLUCIONES DIGITALES INTERACTIVAS, S.L. | Partner | SME | SPAIN |
| MEDIAMONITOR, SOFTWARE E INFORMACAO PARA COMUNICACAO SOCIAL, LDA. | Partner | SME | PORTUGAL |
| GESELLSCHAFT ZUR DURCHFUEHRUNG VON FACHHOCHSCHULSTUDIENGAENGEN ST. POELTEN MBH | Partner | University | AUSTRIA |
| STEREODATA S.L. | Main | SME | SPAIN |
| GEOGLOBAL - SISTEMAS DE INFORMACAO GEOGRAFICA LDA. | Partner | SME | PORTUGAL |
| HELIBERICA FOTOGRAFOMETRIA S.L. | Partner | SME | SPAIN |
| INFORMATICA EL CORTE INGLES S.A. | Main | Large company | SPAIN |
| NEWVISION - SISTEMAS INTELIGENES PARA SOLUCOES DE ATENDIMENTO, LDA. | Partner | SME | PORTUGAL |
| ESS - ENVIRONMENTAL SOFTWARE & SERVICES GMBH | Main | SME | AUSTRIA |
| RUSSIAN ACADEMY OF SCIENCES/MATHEMATICAL MODELLING INSTITUTE OF RAS | Partner | Research Institute | RUSSIAN FEDERATION |
| ATLANTIS CONSULTING CYPRUS LTD | Partner | SME | CYPRUS |
| ORDEC SYS | Partner | Large company | SWITZERLAND |
| UNIVERSIDADE DE AVEIRO - GEMAC/DEPARTMENT OF ENVIRONMENT AND PLANNING | Partner | University | PORTUGAL |
| FINNISH METEOROLOGICAL INSTITUTE | Partner | Research Institute | FINLAND |
| HASSAN II MOHAMMADIA UNIVERSITY / FACULTY OF SCIENCES AND TECHNOLOGY MOHAMMADIA (UH2M-FSTM) | Partner | University | MOROCCO |

INFORMATION TECHNOLOGY

ANNOUNCED

T. Cost (M€)

| | | | | | |
|----------------|--------------|--|---|-------------|------|
| E! 3266 | WEBAIR | WEB-BASED AIR QUALITY ASSESSMENT AND MANAGEMENT | Webair Builds A Web-Based Real-Time Multi-Media Information And Decision Support System For Urban And Industrial Air Quality Assessment And Management Integrating On-Line Monitoring And Modelling, In Support Of Relevant European Directives. | 04 PARIS | 5,5 |
| E! 3288 | EUREKA IZARO | EUREKA-IZARO, INFORMATION SYSTEM ERP II EXTENDED | To Enlarge Global Information Systems And Enhance Accessibility And Mobility So That Information Flows Become Manageable. Planning For Optimising Services, Productivity And Knowledge Management. | 04 PARIS | 1,89 |
| E! 3325 | MINATUSE | MICRO NANO TECHNOLOGY USE BY SME'S | The Main Objective Is To Provide Scientific And Technological Support, And General Technical Assistance To European Smes Wishing To Integrate Micro And Nano Technology Into Their Products. Non-European Countries Will Also Be Made Aware Of Minatuse Activities. | 04 PARIS | 4,29 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|---|---------|----------------------|-------------------------------|
| INSTITUTE OF PHYSICS | Partner | Research Institute | LITHUANIA 2,73 |
| JOINT STOCK COMPANY ELTERA Centro de Simulacion y Modelos (CESIMO) | Partner | University | VENEZUELA 2,73 |
| SYRECO S.R.L. | Partner | SME | ITALY 2,73 |
| RESTRICTED LIABILITY SOCIETY AIDAIR | Partner | SME | RUSSIAN FEDERATION 2,73 |
| OIKON D.O.O. INSTITUTE FOR APPLIED ECOLOGY | Partner | SME | CROATIA 3,64 |
| ECM ECO MONITORING A.S. | Partner | SME | SLOVAK REPUBLIC 3,64 |
| BIOTEL CO. LTD. | Partner | SME | SOUTH KOREA 5,45 |
| AIRSHED PTY LTD. | Partner | SME | SOUTH AFRICA 3,64 |
| SLOVAK UNIVERSITY OF TECHNOLOGY IN BRATISLAVA / Faculty of Materials Science & Technology | Partner | University | SLOVAK REPUBLIC 0 |
| IT for sustainable development - EnMAGIS | Partner | SME | BULGARIA 6,36 |
| Air Quality Control Company (AQCC) | Partner | SME | IRAN 5,45 |
| Earth Link and Advanced Resources Development (ELARD) - Emirates Branch | Partner | SME | UNITED ARAB EMIRATES 10,91 |
| MMASTEC Engineering SDN BHD | Partner | SME | MALAYSIA 1,8 |
| Comite de Gestión de la Iniciativa de Aire Limpio para Lima y Callao | Partner | Governm./Nat. Admin. | PERU 30 |
| Miklautz.Gaetner ZT, architecture unlimited OG | Partner | SME | AUSTRIA 2,73 |
| Quality Systemtechnik FZC | Partner | SME | BAHRAIN 3,64 |
| Center for Atmospheric and Environmental Modelling | Partner | University | SOUTH KOREA 70 |
| INFORMATICA 68, S.A. | Main | SME | SPAIN 30 |
| SOFTI9 INOVACAO INFORMATICA, LDA | Partner | SME | PORTUGAL 17,23 |
| INTERUNIVERSITAIR MICRO-ELECTRONICA CENTRUM V.Z.W. (IMEC) | Main | Research Institute | BELGIUM |
| AUSTRIAN SOCIETY FOR MICROSYSTEM TECHNOLOGY (OGMS) | Partner | Governm./Nat. Admin. | AUSTRIA 13,96 |
| APTE ASSOCIATION | Partner | Large company | SWITZERLAND 11,39 |
| HSG-IMIT - INST. FUER MIKRO- UND INFORMATIONSTECHNIK DER HAHN-SCHICKARD-GESELLSCHAFT E.V. | Partner | SME | GERMANY 22,66 |
| CEA GRENOBLE - DTA/LETI (LAB. D'ELECTRONIQUE DE TECHNOLOGIE ET D'INSTRUMENTATION) | Partner | Research Institute | FRANCE 22,66 |
| ASSOCIATION JESSICA FRANCE | Partner | Governm./Nat. Admin. | FRANCE 11,39 |
| STEINBEIS-EUROPA-ZENTRUM | Partner | SME | GERMANY 13,96 |
| CSEM CENTRE SUISSE D'ELECTRONIQUE ET DE MICROMECHANIQUE S.A. | Partner | Research Institute | SWITZERLAND 1,96 |
| SETCCE - SECURITY TECHNOLOGY COMPETENCE CENTRE | Partner | Governm./Nat. Admin. | SLOVENIA 11,39 |
| FRAUNHOFER INSTITUTE IZM - MICRO MATERIALS CENTRE BERLIN | Partner | Research Institute | GERMANY 18,84 |
| NATIONAL INSTITUTE FOR RESEARCH AND DEVELOPMENT IN MICROMECHANICS - IMT BUCHAREST | Partner | Research Institute | ROMANIA 18,84 |

INFORMATION TECHNOLOGY

ANNOUNCED

T. Cost (M€)

| | | | | | |
|----------------|-------------------|--|---|---------------|------|
| E! 3325 | MINATUSE | MICRO NANO TECHNOLOGY USE BY SME'S | The Main Objective Is To Provide Scientific And Technological Support, And General Technical Assistance To European Smes Wishing To Integrate Micro And Nano Technology Into Their Products. Non-European Countries Will Also Be Made Aware Of Minatuse Activities. | 04 PARIS | 4,29 |
| E! 3604 | LOCOMON-BUS | SYSTEM OF LOCALISATION, CONTROL AND INFORMATION UNLOAD BY GPRS WITH MONETARY FUNCTIONALITY FOR BUSES | Development Of An Intelligent System To Control Bus Fleets And To Manage The Selling Of Tickets/Seats On Board Buses And At Bus Stations. | 05 MAASTRICHT | 0,45 |
| E! 3628 | HTP | HOTEL CHAIN TECHNOLOGY PLATFORM | We Will Develop An Integrative Technological Management Platform For A Hotel Environment. The Aim Is To Meet The Growing Needs In This Technological Market For Management And Control. | 06 PRAGUE | 0,94 |
| E! 3792 | ENIWEP TRIBOSTAND | STANDARDISATION OF TRIBOLOGICAL LABORATORY TESTS. | To Collate And Harmonise The Tribological Tests That Are Usually Conducted By The Participating Centres. The Objective Is To Establish A Test Service For These Centres. | 08 LJUBLJANA | |
| E! 3858 | PREVEN | SYSTEM FOR TRAINING IN THE PREVENTION OF OCCUPATIONAL RISKS IN BUILDINGS BY MEANS OF VIRTUAL REALITY SIMULATIONS | The Main Objective Is The Development Of An Integral Training System For The Prevention Of Occupational Risks By Means Of Incorporating The Latest Available Technologies, Simulators, And Self-Training And Self-Evaluation Systems. | 06 PRAGUE | 1,15 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|--|---------|--------------------|--------------------|
| ICPE S.A.(ADVANCED RESEARCH INSTITUTE FOR ELECTRICAL ENGINEERING) | Partner | Research Institute | ROMANIA 4,19 |
| UNIVERSITY OF LATVIA / INSTITUTE OF SOLID STATE PHYSICS (ISSP) | Partner | Research Institute | LATVIA 4,19 |
| LATVIAN ELECTROENGINEERING AND ELECTRIC INDUSTRY ASSOCIATION (LETERA) | Partner | Large company | LATVIA 7,3 |
| ISQ - INSTITUTO DE SOLDADURA E QUALIDADE | Partner | Research Institute | PORTUGAL 17,23 |
| CRIF LIEGE, MATERIALS TECHNOLOGY DEPARTMENT (ROR) | Partner | Large company | BELGIUM 17,23 |
| FLEMISH INSTITUTE FOR TECHNOLOGICAL RESEARCH (VITO) | Partner | Research Institute | BELGIUM 11,39 |
| INTERESSENGEEMEINSCHAFT ZUR VERBREITUNG VON ANWENDUNGEN DER MIKROSTRUKTURTECHNIKEN E.V. (IVAM) | Partner | Large company | GERMANY 2,47 |
| NCSR DEMOKRITOS - INSTITUTE OF MICROELECTRONICS (IMEL) | Partner | Research Institute | GREECE 17,23 |
| CERDT - CENTRE DE PROMOTION DE LA R & D ET DE LA VALORISATION DES TECHNOLOGIES EN HAINAUT | Partner | SME | BELGIUM 68,66 |
| AUTOBUSES JIMENEZ, S.L. | Main | SME | SPAIN 31,34 |
| AMI - COMERCIO DE EQUIPAMENTOS DE INFORMATICA, LTDA | Partner | SME | PORTUGAL 65 |
| FRACTALIA REMOTE SYSTEMS, SL | Main | SME | SPAIN 35 |
| VISUAL FORMA - FORMACAO E PROGRAMACAO EM NOVAS TECNOLOGIAS, LDA. | Partner | SME | PORTUGAL 48,66 |
| INSTITUTO DE TECNOLOGIA CERAMICA - AICE (ITC) | Main | Research Institute | SPAIN 48,66 |
| FUNDACION TEKNIKER | Partner | Research Institute | SPAIN |
| ASOCIACION DE LA INDUSTRIA NAVARRA (AIN) | Partner | Research Institute | SPAIN 32,51 |
| FALEX TRIBOLOGY N.V. | Partner | SME | BELGIUM 6,96 |
| INSTITUTO PEDRO NUNES - ASSOCIAÇÃO PARA A INOVACAO E DESENVOLVIMENTO EM CIENCIA E TECNOLOGIA | Partner | Research Institute | PORTUGAL 6,96 |
| FCT-UC / FACULTADE DE CIENCIAS E TECNOLOGIA UNIVERSIDADE DE COIMBRA | Partner | University | PORTUGAL 11,87 |
| TRIBOTECHNIC | Partner | SME | FRANCE 11,87 |
| CENTRALE RECHERCHE S.A. - ECOLE CENTRALE PARIS (CRSA-ECP) | Partner | University | FRANCE 32,51 |
| KUL - DEPARTMENT OF METALLURGY AND MATERIALS ENGINEERING (MTM) KATHOLIEKE UNIVERSITEIT LEUVEN | Partner | University | BELGIUM 65 |
| PREVIFOR SIMULATION, S.L. | Main | SME | SPAIN 65 |
| ANALISIS Y SIMULACION S.L. | Partner | SME | SPAIN 35 |
| CNOTINFOR - CENTRO DE NOVAS TECNOLOGIAS DA INFORMACAO, LDA. | Partner | SME | PORTUGAL 35 |
| ESCOLA SUPERIOR DE TECNOLOGIA E GESTAO DE PORTALEGRE INSTITUTO POLITECNICO DE PORTALEGRE | Partner | Research Institute | PORTUGAL |
| J. SERRA RAMOS LDA. | Partner | SME | PORTUGAL 70 |

INFORMATION TECHNOLOGY

| | | | ANNOUNCED | T. Cost (M€) |
|----------------|--------------------------------------|---|---|---------------------|
| E! 4009 | AEREO-FOTO-DIGITAL | TECHNOLOGICAL DEVELOPMENT OF A DIGITAL AERIAL PHOTOGRAPHY INTEGRATION AND PROCESSING SYSTEM | Carrying Out This Project Will Mean Achieving A Highly Innovative System For Processing Aerial Images In Digital Format And The Application Thereof To Certain Top-Priority Purposes Of High Importance. | 07 ROMA 0,9 |
| E! 4942 | EUREKA TOURISM 21st CENTURY HOTEL | THE 21ST CENTURY HOTEL PROJECT: THE 6s HOTEL | Aims At Radically Improving The Usability Of Hotels And Well-Being Of Guests, Assuring The Competitiveness Of The European Hotel Industry By Developing Technologies In The Areas Of Sensations, Simulation & Training, Sustainability, Safety And Security, Services, Wellness & Health. | 09 LISBON 0,3 |

LASER

| | | | ANNOUNCED | T. Cost (M€) |
|----------------|---------|---|---|---------------------------|
| E! 1164 | MILMATE | MAGNIFIER FOR INDUSTRIAL LASER MASKING TECHNIQUES | Development Of A Magnifier To Improve The Overall Efficiency Of Industrial Laser Surface Materials Removal By Masking Techniques. | 94 LILLEHAMMER 1,64 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|---|---------|------------------------|------------------|
| AZIMUT S.A. | Main | SME | SPAIN 30 |
| J. SERRA RAMOS LDA. | Partner | SME | PORUGAL 0,9 |
| Sociedad Estatal para la Gestión de la Innovación y las Tecnologías Turísticas, S.A. (SEGITTUR) | Main | Other | SPAIN |
| FUNDACION TECNOTUR | Partner | Research Institute | SPAIN |
| COMPASS MOBILE SOLUTIONS S.L. | Partner | SME | SPAIN |
| FUNDACION ROBOTIKER | Partner | Research Institute | SPAIN 70 |
| INSTITUTO DE BIOMECANICA DE VALENCIA | Partner | Research Institute | SPAIN |
| FUNDACION IBIT | Partner | Research Institute | SPAIN |
| FUNDACION LABEIN | Partner | Research Institute | SPAIN |
| FUNDACION CARTIF | Partner | Research Institute | SPAIN |
| FUNDACION INASMET | Partner | Research Institute | SPAIN |
| Asociacion CICTourGUNE | Partner | Research Institute | SPAIN 22,5 |
| Geosim Systems Ltd. | Partner | SME | ISRAEL |
| Correlation Systems Ltd.- | Partner | R and D Performing SME | ISRAEL 70 22,5 |
| AeroScout Ltd | Partner | R and D Performing SME | ISRAEL 7,5 |
| Expedita – Arquitectura e Gestão de Sistemas | Partner | SME | PORUGAL 23 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|--|---------|--------------------|------------------|
| LASINDUSTRIA S.A. | Main | SME | PORUGAL |
| INSTITUTO DE SOLDATURA E QUALIDADE INVESTIGACAO E DESENVOLVIMENTO/DIVISAO ENGENHARIA SISTEMAS | Partner | Research Institute | PORUGAL 33 |
| IPU - INSTITUTE FOR PRODUCT DEVELOPMENT | Partner | SME | DENMARK 57 |
| HOLO/OR LTD. | Partner | Large company | ISRAEL 10 |

PROJECTOS INDIVIDUAIS |

LASER

E! 194

EUROLASER CO2HP

INDUSTRIAL
APPLICATION
EVALUATION OF HIGH
POWER LASERS

High Power Laser Facilities Installation With Beam
Manipulation/Work Handling Equipment And High Power
Laser Instrumentation And Beam Diagnostic Equipment.
Setting Up A European Laser Co2 Network.

ANNOUNCED

T. Cost (M€)

87
MADRID

47,2

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|--|---------|----------------------|------------------|
| AEROSPATIALE S.N.I. S.A. - SIEGE (PARIS) | Main | Large company | FRANCE |
| GIAT INDUSTRIES S.A. (ST.-CHAMOND) | Partner | Large company | FRANCE |
| IREPA LASER (ILLKIRCH) ASSOC.INDUST.DES RECH.SUR LES PROCEDES ET LES APPL.DU LASER | Partner | Research Institute | FRANCE |
| ADRON SOURCES | Partner | SME | FRANCE |
| TWI LTD. | Partner | Research Institute | U. KINGDOM |
| NTUA - DEPARTMENT OF PHYSICS NATIONAL TECHNICAL UNIVERSITY OF ATHENS | Partner | University | GREECE |
| MIRTEC S.A. (EBETAM A.E.) METALLURGICAL INDUSTRIAL RES. AND TECHNOLOGICAL DEVELOP. CENTRE | Partner | SME | GREECE |
| ISTITUTO R.T.M. S.P.A. (IST.PER LE RECERCHE DI TECNOLOGIA MECCANICA PER L'AUTOM.) | Partner | Research Institute | ITALY |
| CISE - CENTRO INFORMAZIONE STUDI ED ESPERIENZE S.P.A. | Partner | Large company | ITALY |
| ENEA - C. R. E. CASACCIA ENTE PER LE NUOVE TECNOLOGIE, L'ENERGIA, L'AMBIENTE | Partner | Research Institute | ITALY |
| SINTEF | Partner | SME | NORWAY |
| INSTITUTO DE SOLDATURA E QUALIDADE INVESTIGACAO E DESENVOLVIMENTO/DIVISAO ENGENHARIA SISTEMAS | Partner | Research Institute | PORTUGAL |
| ALCATEL - ALSTROM - RECHERCHE | Partner | Large company | FRANCE |
| CLUB LASER ET PROCEDES | Partner | Governm./Nat. Admin. | FRANCE |
| ETABLISSEMENT TECHNIQUE CENTRAL DE l'ARMEMENT (ETCA-CREA) | Partner | Research Institute | FRANCE |
| SCHWEISSTECHNISCHE ZENTRALANSTALT WIEN | Partner | Research Institute | AUSTRIA |
| TU WIEN/INSTITUT FOR FORMING AND HIGH LASER TECHNOLOGY / ARGELAS TECHNISCHE UNIVERSITAET WIEN | Partner | University | AUSTRIA |
| ARGELAS - ARBEITSGEMEINSCHAFT LASERTECHNIK | Partner | Governm./Nat. Admin. | AUSTRIA |
| SBB - HAUPTABTEILUNG SICHERHEIT UND ZENTRALE AUFGABEN SCHWEIZERISCHE BUNDESBAHNEN | Partner | Governm./Nat. Admin. | SWITZERLAND |
| SULZER MARKETS AND TECHNOLOGY LTD. | Partner | Large company | SWITZERLAND |
| FRAUNHOFER-INSTITUT FUER LASERTECHNIK | Partner | Research Institute | GERMANY |
| TECLAS GMBH | Partner | Large company | GERMANY |
| FORCE TECHNOLOGY | Partner | Research Institute | DENMARK |
| INSTITUTO DE ESTRUCTURA DE LA MATERIA | Partner | Research Institute | SPAIN |
| CENTRO LASER S.R.L. | Partner | Research Institute | SPAIN |

LASER

ANNOUNCED T. Cost (M€)

E! 643EUROLASER
SAFETY-INDAL**SAFETY IN THE
INDUSTRIAL
APPLICATIONS OF
LASERS**

There Exists A Growing Need To Evaluate Potential Risks From Industrial Laser Applications And Develop Necessary Safety Techniques/Equipment. This Project Should Result In Safe Equipment/Workstations For Industrial Laser Applications.

91
THE HAGUE

18,84

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|--|---------|----------------------|------------------|
| CSIC - CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS | Partner | Research Institute | SPAIN 4 |
| LASER ZENTRUM HANNOVER E.V. (LZH) | Main | Research Institute | GERMANY 21 |
| FA. HEIZBOESCH WALTER BOESCH KG | Partner | Large company | AUSTRIA |
| TU WIEN/INSTITUT FOR FORMING AND HIGH LASER TECHNOLOGY / ARGELAS TECHNISCHE UNIVERSITAET WIEN | Partner | University | AUSTRIA 2 |
| AUSTRIAN RESEARCH CENTRES SEIBERSDORF GES.M.B.H. | Partner | Research Institute | AUSTRIA |
| LASER CUT GMBH | Partner | Large company | AUSTRIA |
| AUVA - ALLGEMEINE UNFALLVERSICHERUNGSANSTALT HUB | Partner | Governm./Nat. Admin. | AUSTRIA |
| BERUFSGENOSSENSCHAFTLICHES INSTITUT FUER ARBEITSSICHERHEIT | Partner | Governm./Nat. Admin. | GERMANY |
| ATZ-EVUS AUSSENSTELLE VILSECK APPLIK.U.TECHNIKZ.F.ENERGIEVERFAHR.UMWELT U-STROEMUNGSTECHN. | Partner | Research Institute | GERMANY |
| DLR - INSTITUT FUER TECHNISCHE PHYSIK | Partner | Research Institute | GERMANY |
| DEUTSCHES ZENTRUM FUER LUFT- UND RAUMFAHRT E.V. | Partner | Research Institute | GERMANY |
| FRAUNHOFER-INSTITUT FUER LASERTECHNIK | Partner | Research Institute | GERMANY |
| MUT-INSTITUT F. WERKZEUGMASCHINEN UND BETRIEBSWISSENSCHAFTEN TECHNISCHE UNIVERSITAET MUENCHEN | Partner | University | GERMANY 21 |
| FRAUNHOFER-INSTITUT FUER PRODUKTIONSTECHNOLOGIE (IPT) | Partner | Research Institute | GERMANY |
| UNIVERSITAETSKLINIKUM ESSEN | Partner | University | GERMANY |
| THYSSEN LASER TECHNIK GMBH (TLT) | Partner | Large company | GERMANY |
| BAM - BUNDESANSTALT FUER MATERIALFORSCHUNG UND PRUEFUNG | Partner | Governm./Nat. | GERMANY |
| AKADEMIE F. TECHNIKFOLGENABSCHAETZUNG IN BADEN-WUERTTEMBERG | Partner | Research Institute | GERMANY |
| FRAUNHOFER-INSTITUT WERKSTOFF- UND STRAHLTECHNIK | Partner | Research Institute | GERMANY |
| HEINZ-PIEST-INSTITUT FUER HANDWERKSTECHNIK | Partner | Research Institute | GERMANY |
| BREMER INSTITUT FUER ANGEWANDTE STRAHLTECHNIK GMBH (BIAS) | Partner | Research Institute | GERMANY |
| FORCE TECHNOLOGY | Partner | Research Institute | DENMARK 5 |
| IPU - INSTITUTE FOR PRODUCT DEVELOPMENT | Partner | SME | DENMARK |
| INSTITUTO NACIONAL DE SEGURIDAD E HIGIENE EN EL TRABAJO | Partner | Governm./Nat. Admin. | SPAIN |
| CENTRO TECNOLOGICO MADRID (CETEMA S.A.) | Partner | SME | SPAIN |
| AIDO - INST.TECNOLOGICO DE OPTICA/ASOCICION INDUST.DE OPTICA | Partner | Research Institute | SPAIN 4 |
| MAPFRE RE, COMPAÑIA DE REASEGUROS S.A. | Partner | Large company | SPAIN |
| INDUSTRIAS FAPP S.A. | Partner | Large company | SPAIN |
| INSTITUTE OF OCCUPATIONAL HEALTH (VANTAA) | Partner | Governm./Nat. Admin. | FINLAND 1 |

LASER

ANNOUNCED T. Cost (M€)

E! 643EUROLASER
SAFETY-INDAL**SAFETY IN THE
INDUSTRIAL
APPLICATIONS OF
LASERS**

There Exists A Growing Need To Evaluate Potential Risks From Industrial Laser Applications And Develop Necessary Safety Techniques/Equipment. This Project Should Result In Safe Equipment/Workstations For Industrial Laser Applications.

91
THE HAGUE

18,84

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|---|---------|--------------------|------------------|
| LAPPEENRANTA UNIVERSITY OF TECHNOLOGY/PRODUCTION ENGINEERING | Partner | University | FINLAND |
| CEA GRENOBLE - DTA/LETI (LAB. D'ELECTRONIQUE DE TECHNOLOGIE ET D'INSTRUMENTATION) | Partner | Research Institute | FRANCE |
| CETE APAVE OUEST | Partner | Research Institute | FRANCE |
| CEA - (FONTENAY-AUX-ROSES) COMMISSARIAT A L'ENERGIE ATOMIQUE | Partner | Research Institute | FRANCE |
| ETABLISSEMENT TECHNIQUE CENTRAL DE L'ARMEMENT (ETCA-CREA) | Partner | Research Institute | FRANCE |
| ALIS | Partner | SME | FRANCE |
| QUANTEL S.A. | Partner | SME | FRANCE |
| HOLO 3 - ASSN.P.LE.DEV.D.METH. & TECH. HOLOGR. ET CONNEXES | Partner | Research Institute | FRANCE |
| INDUSTRIAL QUANTEL LASERS S.A. (IQL) | Partner | SME | FRANCE |
| CEA - COMMISSARIAT A L'ENERGIE ATOMIQUE (GIF-SUR-YVETTE) | Partner | Research Institute | FRANCE |
| CAISSE REGIONALE D'ASSURANCE MALADIE D'AQUITAINE LABORATOIRE INTERREGIONAL DE CHIMIE DE LA CRAYA | Partner | Research Institute | FRANCE |
| INRS - TECHNICAL ASSISTANCE AGAINST CHEMICAL RISKS INSTITUT NATIONAL DE RECHERCHE ET DE SECURITE | Partner | Research Institute | FRANCE |
| MATRA DEFENSE | Partner | Large company | FRANCE |
| VOIR (ST.-MARTIN-D'HERES) | Partner | SME | FRANCE |
| THALES-CSF LASER | Partner | Large company | FRANCE |
| INST. NATIONAL DE L'ENVIRONNEMENT INDUSTRIEL ET DES RISQUES | Partner | Research Institute | FRANCE |
| CEA - CEB.3 (BRUYERES LE CHATEL) COMMISSARIAT A L'ENERGIE ATOMIQUE | Partner | Research Institute | FRANCE |
| IREPA LASER (ILLKIRCH) ASSOC.INDUST.DES RECH.SUR LES PROCEDES ET LES APPL.DU LASER | Partner | Research Institute | FRANCE |
| SOPRA S.A. (BOIS COLOMBES) SOCIETE DE PRODUCTION ET RECHERCHES APPLIQUEES | Partner | SME | FRANCE |
| LASO - LASOPTIC | Partner | SME | FRANCE |
| LEC - LECTRA SYSTEMES | Partner | SME | FRANCE |
| UNIVERSITE DE BRETAGNE OCCIDENTALE - LEIT LABORATOIRE D'ENERGIE LASER ET DE THERMOPHYSIQUE | Partner | University | FRANCE |
| OXFORD FRAMESTORE APPLICATIONS LIMITED (OFA) | Partner | SME | U. KINGDOM |
| LUT - DEPARTMENT OF MECHANICAL ENGINEERING LOUGHBOROUGH UNIVERSITY OF TECHNOLOGY | Partner | University | U. KINGDOM |
| URENCO LIMITED | Partner | Large company | U. KINGDOM |
| BOC LIMITED | Partner | Large company | U. KINGDOM |
| SLS WALES LTD. | Partner | SME | U. KINGDOM |

30

LASER

ANNOUNCED

T. Cost (M€)

E! 643EUROLASER
SAFETY-INDAL**SAFETY IN THE
INDUSTRIAL
APPLICATIONS OF
LASERS**

There Exists A Growing Need To Evaluate Potential Risks From Industrial Laser Applications And Develop Necessary Safety Techniques/Equipment. This Project Should Result In Safe Equipment/Workstations For Industrial Laser Applications.

91
THE HAGUE

18,84

| PARTICIPANTS | ROLE | CONTRIBUTION (%) |
|--|---------|------------------|
| UNIV. OF LIVERPOOL/ELECTRICAL ENGINEERING AND ELECTRONICS | Partner | U. KINGDOM |
| AEA TECHNOLOGY/SAFETY AND RELIABILITY DIRECTORATE | Partner | U. KINGDOM |
| EXITECH LIMITED | Partner | U. KINGDOM |
| BRITISH AEROSPACE PLC / SOWERBY RESEARCH CENTRE | Partner | U. KINGDOM |
| AEA TECHNOLOGY/THE LASER CENTRE | Partner | U. KINGDOM |
| BRITISH AEROSPACE (MILITARY AIRCRAFT) LIMITED | Partner | U. KINGDOM |
| LASER ECOSSE LIMITED (FERRANTI INDUSTRIAL ELECTRONICS) FERMERKY LASER GROUP | Partner | U. KINGDOM |
| LUMONICS LIMITED - EUROPEAN HEADQUARTERS | Partner | U. KINGDOM |
| PRO LASER CONSULTANTS | Partner | U. KINGDOM |
| BIOPTICA | Partner | U. KINGDOM |
| SWANSEA INST. OF HIGHER EDUCATION/ELECTRONIC ENGINEERING | Partner | U. KINGDOM |
| SIFAM LIMITED | Partner | U. KINGDOM |
| LASERMET LIMITED | Partner | U. KINGDOM |
| EDINBURGH INSTRUMENTS | Partner | U. KINGDOM |
| LUMONICS LIMITED C/O UNIVERSITY OF HULL | Partner | U. KINGDOM |
| CENTRO RICERCHE FIAT SOCIETA CONSORZIALE PER AZIONI (CRF) | Partner | ITALY |
| COMAU S.P.A., ROBOTICS DIVISION | Partner | ITALY |
| CISE - CENTRO INFORMAZIONE STUDI ED ESPERIENZE S.P.A. | Partner | ITALY |
| ENEA - C. R. E. CASACCIA ENTE PER LE NUOVE TECNOLOGIE, L'ENERGIA, L'AMBIENTE | Partner | ITALY |
| ISTITUTO R.T.M. S.P.A. (IST.PER LE RECERCHE DI TECNOLOGIA MECCANICA PER L'AUTOM.) | Partner | ITALY |
| CETENA S.P.A. (FINCANTIERI GROUP) | Partner | ITALY |
| UT - LABORATORY OF MECHANICAL ENGINEERING UNIVERSITEIT TWENTE | Partner | NETHERLANDS |
| UVA - CORONEL LAB. FOR OCCUPATIONAL & ENVIRONMENTAL HEALTH UNIVERSITEIT VAN AMSTERDAM | Partner | NETHERLANDS |
| TNO-NIPG PREVENTION AND HEALTH INSTITUTE | Partner | NETHERLANDS |
| INDUSTRIELE LASER TOEPASSINGEN B.V. | Partner | NETHERLANDS |
| DEMAR LASER B.V. | Partner | NETHERLANDS |
| IST - CEMUL - LASER MATERIALS PROCESSING LABORATORY INSTITUTO SUPERIOR TECNICO/UNIVERSIDADE TECNICA DE LISBOA | Partner | PORUGAL |
| LULEA UNIVERSITY OF TECHNOLOGY/MATERIALS & MFG. ENGINEERING | Partner | SWEDEN |

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20

2

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2

MEDICAL AND BIOTECHNOLOGY

| | | | ANNOUNCED | T. Cost (M€) |
|----------------|---------------------|---|---|--------------------------|
| E! 292 | LUPINPUR | PROCESSING OF BITTER LUPINS INTO HIGH PROTEIN FEED | Testing/Evaluation Of Commercial Enzyme Preparations In Bitter Lupin Seeds Treatment Prior To Processing; Evaluation Of 2 Extraction Processes To Obtain An Insoluble High-Protein Feed Component. Organic Growth-Promoting Agent. | 88 COPENHAGEN 0,75 |
| E! 781 | LIGANDS | DEVELOPMENT OF NEW LIGANDS LABELLED WITH BETA-EMITTERS FOR RESEARCH AND CLINICAL USE IN NUCLEAR MEDICINE | Development Of 99m Tc Complexes Useful As Diagnostic Radio-Pharmaceuticals. This Will Be Accomplished By Merging The Techniques And Expertise Of Radiochemistry With Those Of Imaging And Nuclear Medicine. | 93 PARIS 1,6 |
| E! 782 | EEG | HIGH PERFORMANCE ELECTRO-ENCEPHALOGRAPHY PROCESSING SYSTEM | Integration Of Advanced Electro-Encephalography System: Electronic Modules For Signal Acquisition/Data Processing With Digital Signal Processing/Transputers. User-Friendly System With Powerful Graphic And Data Storage Capability. | 92 TAMPERE 0,5 |
| E! 783 | NONINOCULAR | NON-INVASIVE DIAGNOSTIC OCULAR SPECTRAL ANALYSIS | Development Of Non-Invasive Diagnostic Instrumentation For Fluorescence Spectral Analysis And Characterization Of Fluorophores With Clinical Significance In The Eye And Other Human Tissues. | 92 TAMPERE 0,6 |
| E! 1243 | HIVAC | DEVELOPMENT OF VIRUS-LIKE PARTICLE (VLP) CANDIDATE FOR HIV PRODUCED BY BACULO MULTI-GENE EXPRESSION VECTORS | Development Of Use Of Vlp Technology For The Generation Of Candidate Vaccines Of Human Infections Agents In General. The Human Deficiency Virus (Hiv) Is Model System To Evaluate The Efficacy Of Vlps As Inducers Of Protective Immune Response. | 95 INTERLAKEN 0,97 |
| E! 1845 | EUROAGRI ECOPLUGMIC | APPLICATION OF ECO-FUNGIPLUG IN THE CONTROL OF PATHOGENIC FUNGI AND STUDIES ON ITS EFFECT ON MYCORRHIZAL FUNGI. | The Aim Is To Use The Eco-Fungiplug In The Elimination Of Pathogenic Fungi In Nursery Cultures And Under Field Conditions. The Use Of This Biodegradable Product Will Be Certified In Terms Of Its Interference With Mycorrhizas. | 98 LISBON 3,5 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|---|---------|----------------------|------------------|
| | MAIN | LARGE COMPANY | PORTUGAL |
| EUROPROTEINA S.A. | | | 0 |
| IST - LABORATORIO DE ENGENHARIA BIOQUIMICA INSTITUTO SUPERIOR TECNICO/UNIVERSIDADE TECNICA DE LISBOA | Partner | University | PORTUGAL |
| MITTEX ANLAGENBAU GMBH | Partner | Large company | GERMANY |
| UC - SERVICO DE BIOFISICA / FACULDADE DE MEDICINA UNIVERSIDADE DE COIMBRA | MAIN | UNIVERSITY | PORTUGAL |
| Dept of Radiation Protection and Nuclear Safety | Partner | Research Institute | PORTUGAL |
| Nuclear and Technological Institute | | | 8 |
| FARMA-APS | Partner | Large company | PORTUGAL |
| CIS BIO INTERNATIONAL | Partner | Large company | FRANCE |
| CENTRE HOSPITALIER UNIVERSITAIRE - HOPITAUX DE TOURS U.316 | Partner | University | FRANCE |
| UC - DEPARTAMENTO DE FISICA / CENTRO DE INSTRUMENTACAO UNIVERSIDADE DE COIMBRA | MAIN | UNIVERSITY | PORTUGAL |
| CENTRO PLURIDISCIPLINAR DE PATOLOGIA DO SONO (CPPS) | Partner | Research Institute | PORTUGAL |
| ISA - INSTRUMENTACAO E SISTEMAS DE AUTOMACAO, LDA. | Partner | Large company | PORTUGAL |
| HOSPITAL GREGORIO MARANON / UNIDADE DE SUENO | Partner | Research Institute | SPAIN |
| UC - DEPARTAMENTO DE FISICA / CENTRO DE INSTRUMENTACAO UNIVERSIDADE DE COIMBRA | MAIN | UNIVERSITY | PORTUGAL |
| JABA FARMACEUTICA S.A. | Partner | Large company | PORTUGAL |
| CENTRO DE OFTALMOLOGIA | Partner | Research Institute | PORTUGAL |
| UNIVERSITAT GIessen / INSTITUT FUER BIOPHYSIK | Partner | University | GERMANY |
| INSTITUTO DE BIOLOGIA EXPERIMENTAL E TECNOLOGIA | MAIN | RESEARCH INSTITUTE | PORTUGAL |
| INNOGENETICS N.V. | Partner | SME | BELGIUM |
| THE EUROPEAN COMMISSION - DG XIII (LUXEMBOURG) | Partner | Governm./Nat. Admin. | EUROPEAN UNION |
| LABORATORY OF PLANT BIOTECHNOLOGY (LPB-ICAT) | MAIN | RESEARCH INSTITUTE | PORTUGAL |
| CENASEF - DIRECCAO GERAL DAS FLORESTAS | Partner | Governm./Nat. Admin. | PORTUGAL |
| CASTANIA, SOCIEDADE AGROFLORESTAL S.A. | Partner | SME | PORTUGAL |
| ESCOLA SUPERIOR AGRARIO DE BRAGANCA | Partner | University | PORTUGAL |
| PLANSEL - VIVEIROS JORGE BOEHM LDA. | Partner | SME | PORTUGAL |
| CIS AB - CLEAN INJECTION SYSTEM | Partner | SME | SWEDEN |
| | | | 25 |

MEDICAL AND BIOTECHNOLOGY

| | | | ANNOUNCED | T. Cost (M€) |
|----------------|-----------------------|---|--|-----------------------|
| E! 1975 | EUROAGRI GREENTEC | DEVELOP A METHOD TO INCREASE THE SHELF LIFE OF MINIMALLY PROCESSED VEGETABLES. | Improve The Shelf Life, Quality And Stability Of Vegetables By Using Edible Films, Both Alone And Alone Combined With Modified Atmosphere Packaging (Map). | 98 LISBON 0,4 |
| E! 2001 | MISFA | MICROBIAL SPECIALTY FEED FOR AQUACULTURE | The Aim Is To Create A New Feed Alternative For Hatcheries Which Will Consist Of A Concentrated Microalgae Paste Enriched With Selected Bacteria Which Has A Stimulating Growth Effect And Improves The Health Of Organisms. | 98 LISBON 0,9 |
| E! 2282 | EUROAGRI GRASSMILK | ALTERNATIVE FORAGES FOR DAIRY COWS | 1. Increase Nutritive Value Of Grass Silage For Dairy Cows. 2. Introduce In North Portuguese Conditions The Best Legume Silage. 3. Survey Existing Silage Additives And Identify New Bacterial Strains For Use In Such A Product. | 00 HANOVER 0,3 |
| E! 2284 | GRAPEVINE | MERISTEMATIC CLEANING OF GRAPEVINE CLONES | With The Transfer Of Scientific Technology, We Intend To Sanitize From Virus Some Important Portuguese Grapevine Varieties By Meristematic Culture, In Order To Introduce Them Into The Certification Scheme. | 00 HANOVER 0,97 |
| E! 2315 | POLYBIUS | USE OF THE CRAB 'POLYBIUS HENSLOWI' AS FOOD FOR AQUACULTURE | Objectives Are To Study The Use Of An Unexplored Species (A Small Crab, Polybius Henslowi) As Food For Growing Octopus Vulgaris, To Determine The Viability Of Octopus Farming And Develop Processing Methods For These Species. | 00 HANOVER 1 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|---|-------------|----------------------|-------------------|
| | MAIN | SME | PORUGAL |
| CAMPOTEC S.A. | | | |
| INIA - INSTITUTO NACIONAL DE INVESTIGACAO AGRARIA | Partner | Research Institute | PORUGAL |
| ISA - INSTITUTO SUPERIOR DE AGRONOMIA UNIVERSIDADE TECNICA DE LISBOA | Partner | University | PORUGAL |
| CSIC - INSTITUTO DEL FRIO/DEP. DE METABOLISMO Y NUTRICION CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS | Partner | Research Institute | SPAIN |
| CRYOVAC-GRACE PACKAGING | Partner | Large company | SPAIN |
| NECTON - COMPANHIA PORTUGUESA DE CULTURAS MARINHAS S.A. | MAIN | SME | PORUGAL |
| BIOSOLV AB | Partner | SME | SWEDEN |
| SOUTH CHINA SEA INSTITUTE OF OCEANOGRAPHY, ACADEMIA SINICA | Partner | Research Institute | REPUBLIC P. CHINA |
| AGROS-UNIAO DAS COOP.DE PROD.DE LEITE DE ENTRE DOURO E MINHO E TRAS-OS-MONTES | MAIN | LARGE COMPANY | PORUGAL |
| IDARN -INST. PARA O DESENVOLVIMENTO AGRARIO DA REGIAO NORTE | Partner | Governm./Nat. Admin. | PORUGAL |
| ICETA-INST.DE CIENCIAS E TECNOL.AGRARIAS E AGRO-ALIMENTARES | Partner | University | PORUGAL |
| ISA - INSTITUTO SUPERIOR DE AGRONOMIA UNIVERSIDADE TECNICA DE LISBOA | Partner | University | PORUGAL |
| DRAEDM - DIR. REG. DE AGRICULTURA DE ENTRO DOURO E MINHO ESTACO REG.DE CULTURAS ARVENSES E DIV. DE PRODUCAO AGRICOLA | Partner | Governm./Nat. Admin. | PORUGAL |
| IGER -INSTITUTE OF GRASSLAND AND ENVIRONMENTAL RESEARCH | Partner | Research Institute | U. KINGDOM |
| PLANSEL - VIVEIROS JORGE BOEHM LDA. | MAIN | SME | PORUGAL |
| UNIVERSIDADE DO ALGARVE/DEPARTAMENTO DE FITAPATOLOGIA | Partner | University | PORUGAL |
| ESTACAO AGRONOMICA NACIONAL | Partner | Research Institute | PORUGAL |
| ESCOLA SUPERIOR AGRARIA DE SANTAREM (ESAS) | Partner | University | PORUGAL |
| BIOREBA S.A. | Partner | SME | SWITZERLAND |
| SANAMAR - COMERCIO, IMPORT.E EXPORT. DE PRODUTOS ALIMENTARES | MAIN | SME | PORUGAL |
| INST.DE SCIENCIAS BIOMEDICAS ABEL SALZAR, DEP. PRODUCAO AQ. | Partner | University | PORUGAL |
| USC - LABORATORIO DE TECNOLOGIA DE PRODUCTOS PESQUEROS | Partner | Research Institute | SPAIN |
| SALMO SALAR GALICIA, S.L. | Partner | SME | SPAIN |

MEDICAL AND BIOTECHNOLOGY

| | | | ANNOUNCED | T. Cost (M€) |
|----------------|-----------------------|---|---|----------------------|
| E! 3747 | EUROAGRI+ IPM-RICE | INTEGRATED PEST MANAGEMENT OF RICE FOR CONSUMPTION | Monitoring Insects And Fungi In Stored Rice From The Field To Industrial Areas, As Part Of Risk Assessment And As A Decision-Making Tool. Application Of Alternative Less Noxious Control Methods Than Traditional Ones. | 06 PRAGUE 0,3 |
| E! 4506 | WINE SULFUR FREE | EVALUATION OF NEW TECHNOLOGIES FOR THE REDUCTION OF SULPHUR DIOXIDE IN WINES | The Sulphites Present In Wines Are Known For Their Allergic Impact In More Sensitive People. The Project Therefore Aims To Develop A New Technology That Reduces Or Even Eliminates The Need To Use Sulphur Dioxide In Wines, Using Chitosane. | 10 BERLIN 0,25 |
| E! 4533 | TYPHIVAC | DEVELOPMENT OF A GMP PILOT SCALE PRODUCTION PROCESS FOR A BIVALENT VACCINE AGAINST TYPHOID & PARATYPHOID ENTERIC FEVERS | This Project, Promoted By Genibet, Ibet And Nvgh Aims To Implement The Gmp Production Processes Of Two Conjugated Antigens (Vi/Crm197 And O/Crm197) That Will Incorporate A Bivalent Vaccine Against Typhoid And Paratyphoid Enteric Fevers. | 09 LISBON 0,95 |
| E! 4944 | EUROAGRI+ EtanFareFun | BAKING PRODUCTS WITH FUNCTIONAL INGREDIENTS FOR THE HEALTHY FOOD NICHE MARKET | New Baking Products, From Bread To Pizza, Can Be Upgraded Into The Healthy Food Market By Adding Functional Ingredients With Beneficial Impact On Health By Being A Source Of Vitamin B, A Source Of Fibre And Digestible Protein And A Source Of Glutamic Acid. | 09 LISBON 0,75 |
| E! 4947 | Oncovir | DEVELOPMENT OF A GMP PILOT SCALE PROCESS FOR THE PRODUCTION OF CLINICAL GRADE ONCOLYTICAL ADENOVIRUS FOR CANCER THERAPY | Through This Project, Promoted By Genibet, Ibet And Institut Catala, Oncologia Aims To Implement The Gmp (Good Manufacturing Practice) Production Process Of An Oncolytic Adenovirus To Be Clinically Tested In Patients With Melanoma. | 09 LISBON 0,69 |
| E! 4990 | SIMCARD | CARDIOVASCULAR IMAGING, MODELLING AND SIMULATION | This Is A Highly Interdisciplinary Project Aiming At The Development, Analysis And Simulation Of Mathematical Models Of The Cardiovascular System. It Demands A Collective Expertise To Address Complex Problems And A Close Connection Between Mathematics, Scientific Computing And Clinical Experiments. | 09 LISBON 0,2 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|---|-------------|--------------------|------------------|
| | MAIN | RESEARCH INSTITUTE | PORTUGAL |
| IICT - INSTITUTO DE INVESTIGACAO CIENTIFICA TROPICAL (TROPICAL RESEARCH INSTITUTE OF PORTUGAL) | | | |
| SALUDAES - PRODUTOS ALIMENTARES S.A. | Partner | SME | PORTUGAL |
| SOCIEDADE EUROPEIA DE ARROZ - SEAR, S.A. | Partner | SME | PORTUGAL |
| APARROZ - AGRUPAMENTO DE PRODUTORES DE ARROZ DO VALE DO SADO, LDA | Partner | SME | PORTUGAL |
| BIOLOGISCHE BUNDESANSTALT FUER LAND-UND FORSTWIRTSCHAFT / INSTITUTE FOR STORED PRODUCT PROTECTION | Partner | Research Institute | GERMANY |
| AGRICULTURAL UNIVERSITY OF ATHENS / DEPARTMENT OF PLANT SCIENCE / LABORATORY OF AGRICULTURAL ZOOLOGY AND ENTOMOLOGY | Partner | University | GREECE |
| UNIVERSITA' DEGLI STUDI DEL MOLISE | Partner | University | ITALY |
| IRTA (CABRILS) INSTITUTO DE RECERCA Y TECNOLOGIA AGROALIMENTARIA | Partner | Research Institute | SPAIN |
| SOCIEDAD ESPANOLA DE CARBUROS METALICOS | Partner | Large company | SPAIN |
| FOOD TECHNOLOGY INTERNATIONAL CONSULTANCY LTD. (FTIC) | Partner | SME | ISRAEL |
| United States Department of Agriculture - Agriculture Research Service, Grain Marketing and Production Research Centre/Biological Research Unit | Partner | Research Institute | U.S.A. |
| DAO SUL - SOCIEDADE VITIVINICOLA, S.A. | MAIN | SME | PORTUGAL |
| Universidade de Aveiro | Partner | University | PORTUGAL |
| SCHENK HOLDING SA | Partner | Large company | SWITZERLAND |
| GENIBET BIOPHARMACEUTICALS, S.A. | MAIN | SME | PORTUGAL |
| INSTITUTO DE BIOLOGIA EXPERIMENTAL E TECNOLOGIA | Partner | Research Institute | PORTUGAL |
| Novartis Vaccines Institute for Global Health S.R.L. | Partner | Research Institute | ITALY |
| ISA - INSTITUTO SUPERIOR DE AGRONOMIA UNIVERSIDADE TECNICA DE LISBOA | MAIN | UNIVERSITY | PORTUGAL |
| Mundi Globe | Partner | SME | PORTUGAL |
| SC Vel Pitar S.A. | Partner | Large company | ROMANIA |
| Institute of Food Bioresources - IBACERT | Partner | Research Institute | ROMANIA |
| GENIBET BIOPHARMACEUTICALS, S.A. | MAIN | SME | PORTUGAL |
| INSTITUTO DE BIOLOGIA EXPERIMENTAL E TECNOLOGIA | Partner | Research Institute | PORTUGAL |
| INSTITUT D'INVESTIGACIO BIOMEDICA DE BELLVITGE HOSPITAL UNIVERSITARI DE BELLVITGE (LABORATORI CLINIC) | Partner | Research Institute | SPAIN |
| VCN BioSciences SL | Partner | SME | SPAIN |
| CENTRO DE MATEMATICA E APLICACOES - CEMAT INSTITUTO SUPERIOR TECNICO (IST) | MAIN | UNIVERSITY | PORTUGAL |
| EPFL / CMCS - Modeling and Scientific Computing Ecole Polytechnique Federale Lausanne | Partner | University | SWITZERLAND |
| Institute for Computational Engineering and Sciences (ICES) University of Texas at Austin | Partner | Research Institute | U.S.A. |

MEDICAL AND BIOTECHNOLOGY

| | | | ANNOUNCED | T. Cost (M€) |
|----------------|----------------|--|--|-------------------------|
| E! 5047 | BreathDeep | SOUND PROCESSING PLATFORM FOR CLINICAL APPLICATIONS | To Develop A Platform For Studying, Processing, Filtering, Recognition And Remote Transmission Of Sound, Which Can Be Applied To A Large Variety Of Medical Areas, Either By Itself Or Integrated With Other Diagnosis Products Such As Sleep Pathology Detection Systems. | 10 BERLIN 0,44 |
| E! 177 | LEISHMANIOSIS | RAPID DIAGNOSIS OF, AND VACCINATION AGAINST CANINE LEISHMANIOSIS | Obtain A Rapid Diagnosis Through An Easily Produced Canine Vaccine To Prevent This Disease In This Area | 87 MADRID 1,5 |
| E! 593 | CAROB-TREE | DEVELOPMENT OF NEW AGRONOMICAL TECHNOLOGIES IN "CERATONIA SILIQUA" | Industrial Process Of Carob Requiring Research In Order To Find New Uses And More Value | 91 THE HAGUE 1,74 |
| E! 594 | CAROB-BEAN | DEVELOPMENT OF NEW AGRONOMICAL TECHNOLOGIES IN "CERATONIA SILIQUA" | Development To Achieve An Industrial Process To Enable New Concentrates Of Pulp Extracts To Be Obtained | 91 THE HAGUE 2,87 |
| E! 820 | EUROAGRI SUGAR | SEPARATION BY ULTRAFILTRATION AS A GENERAL ALTERNATIVE TO REFINING. | Introduction Of Membrane Separation Technologies (Ultra- Filtration And/Or Microfiltration, Nanofiltration) In The Cane Sugar Refineries. Expected Advantages: Simplification Of The Process, Decreased Water Consumption And Energy Costs. | 93 PARIS 2,83 |

| PARTICIPANTS | ROLE | CONTRIBUTION (%) | | |
|---|---------|----------------------|-----------------|----|
| | MAIN | SME | PORTUGAL | 70 |
| PULSOFT - CONSULTADORIA INFORMATICA, Lda | | | | |
| HOFFRICHTER GmbH | Partner | SME | GERMANY | 30 |
| INSTITUTO LLORENT S.A. | Main | Research Institute | SPAIN | |
| UNIVERSIDAD COMPLUTENSE DE MADRID/FACULTAD DE MEDICINA | Partner | University | SPAIN | 67 |
| COMUNIDAD AUTOM. DE MADRID/ZOONOSIS DEL SERVIC.REG.DE SALUD | Partner | Governm./Nat. Admin. | SPAIN | |
| UU - IMMUNOLOGY & PARASITOLOGY DEPARTMENT UNIVERSITEIT UTRECHT | Partner | University | THE NETHERLANDS | 8 |
| BIOEID S.A. (QUELUZ DE BAIXO) EMPR.DE INVESTIGACAO E DESENVOLVIMENTO EM BIOTECNOLOGIA S.A. | Partner | SME | PORTUGAL | 25 |
| COMPANIA GENERAL DEL ALGARROBO DE ESPANA S.A. | Main | Large company | SPAIN | |
| UPV - CATEDRA DE MECANIZACION AGRICOLA UNIVERSIDAD POLYTECNICA DE VALENCIA | Partner | University | SPAIN | 45 |
| AIDA (ASSN.INTERPROFESS. P.O.DESENVOLV. DA PROD. E VAL DE ALFAR) | Partner | Governm./Nat. Admin. | PORTUGAL | 55 |
| COMPANIA GENERAL DEL ALGARROBO DE ESPANA S.A. | Main | Large company | SPAIN | |
| UPV - FACULTAD DE CIENCIAS ECON. Y. EMPRESAS DE VALENCIA UNIVERSIDAD POLYTECNICA DE VALENCIA | Partner | University | SPAIN | |
| UNIVERSIDAD COMPLUTENSE DE MADRID/FACULTAD DE FARMACIA | Partner | University | SPAIN | 60 |
| DALGO 2000 NUEVAS TECNOLOGIAS S.L. - INTI-VALENCIA S.A. | Partner | Large company | SPAIN | |
| UNIVERSIDAD AUTONOMA DE MADRID / FACULTAD DE CIENCIAS | Partner | University | SPAIN | |
| ULI - FACULDADE DE FARMACIA UNIVERSIDADE DE LISBOA | Partner | University | PORTUGAL | |
| AIDA (ASSN.INTERPROFESS. P.O.DESENVOLV. DA PROD. E VAL DE ALFAR) | Partner | Governm./Nat. Admin. | PORTUGAL | 19 |
| ORELIS S.A. | Main | Large company | FRANCE | |
| APPLEXION | Partner | SME | FRANCE | 60 |
| RAR - REFINARIAS DE ACUCAR REUNIDAS S.A. | Partner | Large company | PORTUGAL | 40 |

MEDICAL AND BIOTECHNOLOGY

| | | | ANNOUNCED | T. Cost (M€) |
|----------------|----------------------|---|--|---------------------------|
| E! 998 | EUROAGRI MICROVAL | EUROPEAN MECHANISM FOR THE VALIDATION AND APPROVAL OF NEW METHODS TO DETECT/IDENTIFY MICROORGANISMS IN FOOD AND DRINKS | Establishment Of A European Mechanism For The Validation And Approval Of New Methods Of Microbiological Analysis Of Food And Drinks Which Are Urgently Required In View Of The Multitude Of Different Methods Currently On The Market. | 93 PARIS 1,3 |
| E! 1132 | EUROAGRI EUROKIWI | ADVANCES IN KIWI FRUIT PRODUCTION, STORAGE AND MARKETING | New Techniques In Kiwi Fruit Production, And Marketing, Using New Growth Regulators And Ripe Promoters, Artificial Pollination Control, Genetic Improvement Programme And Fertilization, Irrigation And Conservation Optimization. | 94 LILLEHAMMER 2,38 |
| E! 1136 | INBIOPRO | INTEGRATED BIOTECHNOLOGICAL PROCESSING | Design/Development/Start-Up/Validation Of A Bioprocess Pilot Plant In Portugal With 3 Process Lines Using Specially-Made Quality Control/Bioprocess Monitoring Software And Hardware To Integrate Bioreactors And Downstream Processing. | 94 LILLEHAMMER 11 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|--|---------|----------------------|------------------|
| NEDERLANDS NORMALISATIE-INSTITUUT | Main | Governm./Nat. Admin. | NETHERLANDS |
| TRANSIA-BIOCONTROL B.V. | Partner | SME | NETHERLANDS |
| BIOMERIEUX | Partner | Large company | NETHERLANDS |
| UNILEVER NEDERLAND B.V. | Partner | Large company | NETHERLANDS |
| NESTLE NEDERLAND B.V. / REGIONAL LABORATORY | Partner | Large company | NETHERLANDS |
| R-BIOPHARM GMBH | Partner | Large company | GERMANY |
| RIEDEL-DE-HAEN AG | Partner | Large company | GERMANY |
| KRAFT GENERAL FOODS | Partner | Large company | GERMANY |
| MERCK KGAA | Partner | Large company | GERMANY |
| ALFRED JOERGENSEN LABORATORY A/S | Partner | SME | DENMARK |
| GAIKER - CENTRO DI TRASFERENZA TECNOLOGICA | Partner | Research Institute | SPAIN |
| ADRIA (ASSN P.LE DEV.DE LA RECH.APP.AUX INDUST.AGRIC.ET.ALIMENT.) | Partner | Research Institute | FRANCE |
| SANOFI DIAGNOSTICS PASTEUR | Partner | Large company | FRANCE |
| DIFFCHAMB S.A. | Partner | SME | FRANCE |
| ASSOCIATION FRANCAISE DE NORMALISATION (AFNOR) | Partner | Governm./Nat. Admin. | FRANCE |
| ULTRA PROPRE NUTRITION INDUSTRIE RECHERCHE (UNIR) (PARIS) (ASSOCIATION OF AGROFOOD MANUFACTURERS) | Partner | Research Institute | FRANCE |
| LABORATOIRES 3M SANTE S.A. | Partner | Large company | FRANCE |
| INETI-DEP.TEC. DAS IND. ALIMENTARES/UNIDADE DE MICROBALIM. INSTITUTO NACIONAL DE ENGENHARIA E TECNOLOGIA INDUSTRIAL | Partner | Research Institute | PORTUGAL |
| UNIVERSIDADE CATOLICA PORT./ESCOLA SUPERIOR DE BIOTECNOLOGIA DA UCP | Partner | University | PORTUGAL |
| LEATHERHEAD FOOD RESEARCH ASSOCIATION | Partner | Research Institute | U. KINGDOM |
| ORGANON TEKNIKA LTD. | Partner | Large company | U. KINGDOM |
| DTI/LABORATORY OF THE GOVERNMENT CHEMIST/BIOTECHNOLOGY UNIT | Partner | Research Institute | U. KINGDOM |
| CAMPDEN AND CHORLEYWOOD FOOD RESEARCH ASSOCIATION | Partner | Research Institute | U. KINGDOM |
| KIWI ESPANA S.A. | Main | SME | SPAIN |
| ESTACION DE FITOPATOLOGIA DO AREEIRO | Partner | Research Institute | SPAIN |
| KIWI IBERICA S.A.R.L. | Partner | SME | PORTUGAL |
| GESELLSCHAFT FUER BIOTECHNOLOGISCHE FORSCHUNG MBH | Main | Large company | GERMANY |
| SARTORIUS AG | Partner | Large company | GERMANY |
| SCHENK FILTERBAU GMBH | Partner | SME | GERMANY |
| MARTIN CHRIST GEFRIERTROCKNUNGSANLAGEN GMBH | Partner | SME | GERMANY |
| B. BRAUN BIOTECH INTERNATIONAL AG | Partner | Large company | GERMANY |
| INSTITUTO DE BIOLOGIA EXPERIMENTAL E TECNOLOGIA | Partner | Research Institute | PORTUGAL |

MEDICAL AND BIOTECHNOLOGY

| | | | ANNOUNCED | T. Cost (M€) |
|----------------|---------------------|--|--|------------------------|
| E! 1362 | EUROAGRI PECUS | DEVELOPMENT/ INTEGRATED APPLICATION OF TECHNIQUES TO INCREASE COMPETITIVITY OF HIGH QUALITY COMMERCIALISATION OF LAMBS | To Produce High Quality Lambs With Competitive Edge, Develop And Apply Techniques In The Fields Of Breeding/ Reproduction/ Feeding/Typification/Classification And Computerisation Of Their Productive And Marketing Processes. | 96 BRUSSELS 1,19 |
| E! 1449 | REALISE | REAL-TIME LOGISTICS INTEGRATED SCHEDULING ENVIRONMENT | A Total Information Environment To Optimize Resources Using Expert System Based Scheduling Within An Open Information Systems Architecture Linking Information Systems At Various Levels Within The Dynamic Environment Of A Hospital. | 96 BRUSSELS 3,97 |
| E! 1554 | EUROAGRI QIP | QUALITY STANDARDISATION OF CURED PRODUCTS OF IBERIAN PIGS AND FEEDSTUFF STUDIES | Standardisation Of Iberian Pork Products Through A Study Of The Various Factors Which Influence Final Product Quality: Genetics, Feedstuff, Management And Veterinary Control And The Development Of An Automatic Method. | 96 BRUSSELS 1,2 |
| E! 1555 | EUROAGRI G & A | INTEGRAL UNIT FOR IMPROVEMENT AND ADAPTATION OF VEGETAL PRODUCT FOR INDUSTRIAL/ ENVIRONMENTAL AREAS IN SPAIN/PORTUGAL | Develop Appropriate Techniques For Products At Industrial Scale Of A Series Of Autochthonic Spanish/ Imported Varieties Of High Interest To Some Industrial Sectors:(Pharmacological Timber Yards And Food) And Reduce Environmental Impact. | 97 LONDON 0,64 |
| E! 1714 | EUROAGRI ECOFRUIT | PRESERVATION OF FRUITS USING NATURAL SUBSTANCES | Development Of Natural Products For The Preservation Of Fruits Avoiding The Problems Resulting From Using Current Synthetic Products: Health Risks, Pollution-Related Problems And The Need For A Security Period. | 97 LONDON 2,22 |
| E! 1829 | EUROAGRI SHEEP-FEED | DEVELOPMENT OF MANUFACTURING AND DISTRIBUTION SYSTEMS FOR NEW FEEDING MIXTURES TO IMPROVE SHEEP BREEDING. | The Development Of A Complete Ad-Libitum Daily Allowance For Sheep To Solve The Problem Of Pasture Scarcity And Increase The Profitability Of Sheep Farms And Sheep Quality Of Life. | 98 LISBON 1,57 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|---|---------|----------------------|------------------|
| CARNE ARAGON S. COOP. LTDA. | Main | SME | SPAIN |
| INSTITUTO NACIONAL DE INVESTIGACIONES AGRARIAS | Partner | Research Institute | SPAIN |
| ITA - INSTITUTO TECNOLOGICO DE ARAGON | Partner | Research Institute | SPAIN |
| SERVICIO DE INVESTIGACION AGROALIMENTARIA | Partner | Research Institute | SPAIN |
| ACOMOR, AGRUPAMENTO PRODUCTORES MONTEMOR-O-NOVO S.A. | Partner | SME | PORTUGAL |
| INIA/ESTACAO ZOOTECNICA NACIONAL INSTITUTO NACIONAL DE INVESTIGACION AGRARIA | Partner | Research Institute | PORTUGAL |
| UNIVERSIDADE DE EVORA/BUSINESS ADMINISTRATION | Partner | University | PORTUGAL |
| PROLOG DEVELOPMENT CENTRE A/S | Main | SME | DENMARK |
| AARHUS AMTSSYGEHUS | Partner | Governm./Nat. Admin. | DENMARK |
| DANISH AGENCY FOR SCIENCE, TECHNOLOGY AND INNOVATION | Partner | Governm./Nat. Admin. | DENMARK |
| MEDIDATA, ENGENHARIA E SERVICOS, S.A. | Partner | SME | PORTUGAL |
| HOSPITAL DE NOVA DE GAIA | Partner | Governm./Nat. Admin. | PORTUGAL |
| INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES (AVEIRO) | Partner | Research Institute | PORTUGAL |
| ACOREX S.C.L. AGRUPACION DE COOPERATIVAS DE REGADIO DE EXTREMADURA S.C.L. | Main | SME | SPAIN |
| NUTASA - NUTRIGO ANIMAL E PRODUCTOS PARA A PECUARIA S.A. | Partner | Large company | PORTUGAL |
| GESPLANT - SOCIEDAD DE GESTION VEGETAL S.A. | Main | SME | SPAIN |
| UNIV.ALCALA DE HENARES/CENT.DE ESTUD.AMB. Y TEC.AGROALIMENT. | Partner | University | SPAIN |
| ALBIFLOR LDA. | Partner | SME | PORTUGAL |
| UC - FACULTAD DE FARMACIAUNIVERSIDADE DE COIMBRA | Partner | University | PORTUGAL |
| INDUSTRIAS Y ABONOS DE NAVARRA S.A. | Main | Large company | SPAIN |
| ANGEL LUENGO MARTINEZ (ALM) | Partner | Large company | SPAIN |
| FRUTUS - ESTACAO FRUTEIRA DO MONTEJUNTO, C.R.L. | Partner | SME | PORTUGAL |
| COOPERATIVA AGRICOLA DE BOMBARRAL C.R.L. | Partner | SME | PORTUGAL |
| FRUCAR-COMERCIO DE FRUTAS, LDA. | Partner | SME | PORTUGAL |
| CARNE ARAGON S. COOP. LTDA. | Main | SME | SPAIN |
| SERVICIO DE INVESTIGACION AGROALIMENTARIA | Partner | Research Institute | SPAIN |
| UNIVERSIDAD DE ZARAGOZA/DEPARTAMENTO DE PATOLOGIA ANIMAL | Partner | University | SPAIN |
| ACOMOR, AGRUPAMENTO PRODUCTORES MONTEMOR-O-NOVO S.A. | Partner | SME | PORTUGAL |
| UNIVERSIDADE DE EVORA/REPRODUCTION AND OBSTETRICS | Partner | University | PORTUGAL |

MEDICAL AND BIOTECHNOLOGY

| | | | ANNOUNCED | T. Cost (M€) |
|----------------|---------------------|--|---|----------------------|
| E! 1862 | EUROAGRI KIWIKEKA | DEVELOPMENT OF NEW ARTIFICIAL POLLINATION AND GROWTH REGULATORS TO INCREASE KIWI FRUIT PRODUCTION AND QUALITY. | The Main Objective Of This Project Is To Acquire A Thorough Knowledge Of The Behaviour Of The Plant, So That Optimum Harvest Results Will Be Obtained And Any Contamination Due To Over-Fertilisation Will Be Avoided. | 98 LISBON 2,05 |
| E! 1870 | EUROAGRI BIOLACTATE | OPTIMIZATION OF MICROBIAL PRODUCTION OF LACTIC ACID (LA) | The Aim Is To Achieve A Stable Fed-Batch Or Continuous Production Of La On A Large Scale. Emphasis Will Be Put On Selecting Strains Producing L(+) La And The Efficient Integration Of The Bioprocess With Downstream Processing. | 98 LISBON 0,93 |
| E! 1923 | PEPTIDO | PEPTIDOMIMETIC DRUGS WITH IMPROVED MODES OF ADMINISTRATION FOR USE IN ENDOCRINOLOGY. | Synthesis Of Peptidomimetic Entities Mimicking The Activities Of Growth Hormones And Gonadotrophin Analogues. Development Of Pharmaceutical Formulations Suitable For Long Term Administration. Selected Clinical Investigations. | 98 LISBON 12,1 |
| E! 1948 | SASTEREC | STRUCTURAL ANALYSES OF STEROID RECEPTORS FOR DRUG DESIGN | Structural Knowledge Of Steroid Receptors And Their Complexes With Agonist And Antagonist Candidate Pharmaceuticals Will Be Used To Improve The Drug Discovery Process. | 98 LISBON 2 |
| E! 1950 | COMEFRO | NEW MEDICAL AND SURGICAL AIDS IN BIOCOMPATIBLE TECHNOPOLYMERS WITH THE RELATIVE PROCESS OF CO-MOULDING. | The Aim Is To Study And Realize A Co-Moulding System Of Two Different Technopolymers (Pvc And Liquid Silicon Rubber) That Could Be Applied To The Production Of Medical And Surgical Aids. | 98 LISBON 3,5 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|--|---------|--------------------|------------------|
| KIWI ESPANA S.A. | Main | SME | SPAIN |
| ESTACION DE FITOPATOLOGIA DO AREEIRO | Partner | Research Institute | SPAIN |
| KIWI IBERICA S.A.R.L. | Partner | SME | PORTUGAL |
| ESCOLA SUPERIOR AGRARIA DE PONTE DE LIMA - ESAPL | Partner | University | PORTUGAL |
| CZECH TECHNICAL UNIVERSITY/INSTITUTE OF CHEMICAL TECHNOLOGY | Main | University | CZECH REPUBLIC |
| LACID A.S. | Partner | SME | CZECH REPUBLIC |
| BIOTECHNIK FM | Partner | SME | CZECH REPUBLIC |
| LABORATORY OF PLANT BIOTECHNOLOGY (LPB-ICAT) | Partner | Research Institute | PORTUGAL |
| COOPERATIVE DE PRODUTORES DE QUEIJOS DA BEIRA-BAIXA (CRL) | Partner | SME | PORTUGAL |
| UNIVERSITY POLITEHNICA OF BUCHAREST/FOOD CHEMISTRY INSTITUTE | Partner | University | ROMANIA |
| AB LTD. | Partner | SME | ROMANIA |
| MIDDLE EAST TECHNICAL UNIVERSITY/CHEMISTRY DEPARTMENT | Partner | University | TURKEY |
| PIGAR KIMYA SANAYA VE TICARET LIMITED SIRKETI | Partner | SME | TURKEY |
| EUROPEPTIDES | Main | SME | FRANCE |
| UNIVERSITE DE NANTES/LABORATOIRE DE CHIMIE THERAPEUTIQUE FACULTE DE PHARMACIE DE NANTES | Partner | University | FRANCE |
| PHUSIS | Partner | SME | FRANCE |
| PHYSIOLOGIE DE LA REPRODUCTION DES MAMMIFERES DOMESTIQUES INSTITUT NATIONAL DES RECHERCHES AGRONOMIQUES | Partner | Research Institute | FRANCE |
| UNIV.DE MONTPELLIER/LAB.DE AMINOACIDES, PEPTIDES ET PROTEINS FACULTE DE PHARMACIE DE MONTPELLIER | Partner | University | FRANCE |
| ZENTARIS GMBH | Partner | SME | GERMANY |
| EURAND INTERNATIONAL S.P.A. | Partner | Large company | ITALY |
| UNIVERSITA DI MILANO/ORGANIC AND INDUSTRIAL CHEMISTRY DEPT. | Partner | University | ITALY |
| UNIVERSITA DI TORINO/ENDOCRINOLOGY DIV./INTERNAL MEDICINE | Partner | University | ITALY |
| UNIVERSITA DI MILANO/DEPARTMENT OF PHARMACOLOGICAL SCIENCE | Partner | University | ITALY |
| UNIVERSIDADE DO MINHO/DEPARTMENT OF CHEMISTRY | Partner | University | PORTUGAL |
| SCHERING AG | Main | Large company | GERMANY |
| INSTITUTO DE BIOLOGIA EXPERIMENTAL E TECNOLOGIA | Partner | Research Institute | PORTUGAL |
| COMEFL S.R.L. | Main | SME | ITALY |
| PRONEFRO PRODUCTOS NEFROLOGICOS S.A. | Partner | SME | PORTUGAL |

MEDICAL AND BIOTECHNOLOGY

| | | | ANNOUNCED | T. Cost (M€) |
|----------------|---------------------------|---|---|--------------------------------|
| E! 2413 | EUROAGRI BAKERY RECYCLING | DEVELOPMENT OF A NEW PROCESS FOR THE RECYCLING OF BAKERY BY-PRODUCTS AND RESIDUES. | Development Of An Improved Process For The Recycling Of Bakery By-Products, Including Management Of The Point Of Origin, Storage And Transport Logistics And Treatment Of Products For Use In Animal Feed Products. | 01 MADRID 3,9 |
| E! 2429 | EUROAGRI CLEANLAMB | NEW STANDARDISATION AND QUALITY GUARANTEE TECHNOLOGIES FOR MANUFACTURING/ PACKING/ MARKETING OF LIGHT MEDITERRANEAN LAMB | Develop Appropriate Techniques To Obtain Standard Lamb Meat Production, Free Of Toxic, Medical And Microbiological Residues. Ready-To-Cook Meals And Conservation Systems. Development Of An Internet Sales System Using B2b Logic. | 01 MADRID 2,05 |
| E! 2664 | EPARIMED | NEW FILTER FOR HEPARIN BiOCOMPATIBLE FOR INFUSION AND DIALYSIS THERAPY. | The Aim Is To Find A Method To Catch And/Or Neutralize Heparin And/Or Anticoagulant Polysaccharides Used During Dialysis, Before Pouring The Properly Filtered Blood In Intracorporeal Circulation. | 05 MAASTRICHT 4,5 |
| E! 2689 | RECATI | SELECTION/ MULTIPLICATION OF CHESTNUT SPECIMENS RESISTANT TO CHESTNUT INK DISEASE. CHARACTERIZATION OF RESISTANCE SOURCE. | The Aim Is To Select Clones For Chestnut Trees That Are Resistant To Chestnut Ink Disease, Characterize The Resistance Sources And Develop Vegetal Multiplication Techniques For The Selected Clones. | 02 THESSALONIKI 1,38 |
| E! 2705 | SAMARDES | STRUCTURAL ANALYSIS OF MUTATED ANDROGEN RECEPTOR FOR DRUG DESIGN | The Structural Knowledge Of The Mutated Androgen Receptor Ligand Binding Domain And Its Complexes With Agonists And Antagonists Should Shed Light On Controlling Proliferation Of Prostate Cancer Cells, Thus Facilitating Drug Design. | 02 THESSALONIKI 1,5 |
| E! 2857 | EUROFEED | DEVELOPMENT OF AN AUTOMATIC INTEGRAL FEEDING SYSTEM TO GUARANTEE THE QUALITY OF FOOD FOR SHEEP | Development Of An Automatic Feeding System For Sheep To Guarantee The Quality, Traceability And Security Of The Raw Materials For Animal Food. This, Ultimately, Will Affect The Quality Of The Meat And Milk Products For Human Consumption. | 03 COPENHAGEN 1,95 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|--|---------|--------------------|------------------|
| OLISEFI S.A. | Main | SME | SPAIN |
| S.A.T. GANADERIA UNIDA COMARCAL (GUZO) | Partner | SME | SPAIN |
| IPODEC PORTUGAL - GESTAO DE RESIDUOS LTDA. | Partner | Large company | PORTUGAL |
| PANRICO-PRODUTOS ALIMENTARES LTDA. | Partner | Large company | PORTUGAL |
| CARNES OVIARAGON S.C.L. | Main | Large company | SPAIN |
| SERVICIO DE INVESTIGACION AGROALIMENTARIA | Partner | Research Institute | SPAIN |
| SERVICIO DE INVESTIGACION AGROALIMENTARIA | Partner | Research Institute | SPAIN |
| INST. DE RECERCA Y TECNOLOGIA AGROALIMENTARIAS (MONELLS) | Partner | Research Institute | SPAIN |
| UNIVERSIDAD DE ZARAGOZA/FAC. DE VETERINARIA/FOOD TECHNOLOGY | Partner | University | SPAIN |
| UNIVERSIDAD DE ZARAGOZA/DEPARTAMENTO DE PATOLOGIA ANIMAL | Partner | University | SPAIN |
| TECNIDATA, SERVICOS E EQUIPAMENTOS DE INFORMATICA S.A. | Partner | Large company | PORTUGAL |
| INSTITUTO DE BIOLOGIA EXPERIMENTAL E TECNOLOGIA | Partner | Research Institute | PORTUGAL |
| INIA/ESTACAO ZOOTECNICA NACIONAL INSTITUTO NACIONAL DE INVESTIGACION AGRARIA | Partner | Research Institute | PORTUGAL |
| POLO UNIV. DO ALTO AJUDA/FACULDADE DE MEDICINA VETERINARIA SECCAO DE FARMACOLOGIA E TOXICOLOGIA | Partner | University | PORTUGAL |
| ACOMOR, AGRUPAMENTO PRODUCTORES MONTEMOR-O-NOVO S.A. | Partner | SME | PORTUGAL |
| COMEFL S.R.L. | Main | SME | ITALY |
| PRONEFRO PRODUCTOS NEFROLOGICOS S.A. | Partner | SME | PORTUGAL |
| TRAGSA - EMPRESA DE TRANSFORMACION AGRARIA S.A. | Main | Large company | SPAIN |
| VIVEIROS CENTRAIS RIBA-DOURO, SOC. AGR. LDA. | Partner | SME | PORTUGAL |
| SCHERING AG | Main | Large company | GERMANY |
| INSTITUTO DE BIOLOGIA EXPERIMENTAL E TECNOLOGIA | Partner | Research Institute | PORTUGAL |
| SCHERING LUSITANA | Partner | Large company | PORTUGAL |
| INKOA SISTEMAS S.L. | Main | SME | SPAIN |
| MATERIAL GANADERO CANAR, S.L. | Partner | SME | SPAIN |
| UNIVERSIDAD DE ZARAGOZA - VETERINARIA | Partner | University | SPAIN |
| JOAO PAULO COSTA PINTO GOMES CRESPO | Partner | SME | PORTUGAL |
| BRAGANCA UNIVERSITY | Partner | University | PORTUGAL |

MEDICAL AND BIOTECHNOLOGY

| | | | ANNOUNCED | T. Cost (M€) |
|----------------|----------------------------|--|---|--------------------------|
| E! 2916 | OVIS: TWO | OPTIMISATION AND VALIDATION OF INSEMINATION IN SHEEP: TECHNICAL AND WELFARE OBJECTIVES | Development Of A Non-Traumatic And Non-Stress Technique To Artificially Inseminate Ewe. | 03 COPENHAGEN 1,53 |
| E! 3427 | EUROAGRI+ FERT IA | IMPROVEMENT OF FERTILITY IN SWINE: CONTROL OF SEMEN QUALITY AND ANIMAL WELFARE IN ARTIFICIAL INSEMINATION CENTRES | Improvement Of Fertility And Prolificness In Swine Reproduction. Evaluation Of Genetic Factors And Animal Welfare That Affect The Semen Quality Of Males In Artificial Insemination Centres And Embryo Mortality In Sow Farms. | 05 MAASTRICHT 1,98 |
| E! 3531 | PORT QUALITY | PREDICTING PORT QUALITY BY ASSESSING EXPRESSION PROFILING AND METABOLOMICS IN WINE GRAPES | By Combining New Techniques In Genomics, Relevant Parameters For Port Quality Will Be Identified In Wine Grapes. This New Approach Is Expected To Provide The Tools Required For Determining Future Port Quality At The Grape Harvest Stage | 05 MAASTRICHT 1,2 |
| E! 3749 | EUROAGRI+ SECURYFEED | DEVELOPMENT OF A NEW SYSTEM TO GUARANTEE QUALITY, SAFETY AND MANUFACTURING IN SWINE AND POULTRY PRODUCTION | The Development Of A New Manufacturing And Management System For Feeding Production Designed To Guarantee Different Aspects Such As Quality, Safety, Traceability And So On In Swine And Poultry Production. | 06 PRAGUE 2,16 |
| E! 3772 | EUROAGRI+ MYCOTOXINFLUENCE | DEVELOPMENT OF SYSTEM FOR QUICK DETECTION OF MYCOTOXINS IN SWINE AND AVIAN PRODUCTION AND ITS INFLUENCE ON FOOD SAFETY | The Present Project Will Result In A System For Quick Mycotoxin Detection In Animal Feedstuff, For Swine And Avian Feeding. Animal Infection And Toxins Making Their Way Into The Food Chain Will Therefore Be Avoided. | 06 PRAGUE 2,02 |
| E! 3908 | INFATAN | STUDY OF THE INCIDENCE AND IMPROVEMENT OF FATTY ACIDS IN ANIMAL FEEDING | An Evaluation Of The Inclusion Of Surfactant And A Study Into The Different Fatty Acid Incidences And Combinations In The Feeding Of Different Farming Species | 07 ROMA 1,88 |
| E! 4167 | CERTISEED | DEVELOPMENT AND ADAPTATION OF THE RICE CULTIVARS OF OTHER AREAS TO OBTAIN HIGH QUALITY SEEDS | This Project Is Focused On The Development And Optimisation Of A Rice Seed Production Process Using New Tools And Techniques. It Will Carry Out The Study Of The New Rice Cultivars For Their Adaptation In Other Countries. | 08 LJUBJANA 1,32 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|---|---------|----------------------|------------------|
| SAT-GAMESA | Main | SME | SPAIN |
| UNIVERSIDAD DE ZARAGOZA/DEPARTAMENTO DE PATOLOGIA ANIMAL | Partner | University | SPAIN |
| COVAP - SOCIEDAD COOPERTIVA ANDALUZA GANADERA DEL VALLE DE LOS PEDROCHES | Partner | Large company | SPAIN |
| PORTUMAGA | Partner | SME | PORTUGAL |
| ESTACAO ZOOTECNICA DE FONTEBOA | Partner | Research Institute | PORTUGAL |
| ASSOCIAÇÃO DOS CRIADORES E REPRODUTORES DE GADO DO OESTE - ACRO | Partner | Governm./Nat. Admin. | PORTUGAL |
| EUROCITEL. INSTRUMENTOS E EQUIPAMENTOS MEDICO-CIRURGICOS LDA. | Partner | SME | PORTUGAL |
| NUTRIVALL, S.L.U. | Main | Large company | SPAIN |
| INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA (INIA) | Partner | Research Institute | SPAIN |
| INST. DE RECERCA Y TECNOLOGIA AGROALIMENTARIAS (MONELLS) | Partner | Research Institute | SPAIN |
| SOCIEDADE AGRO PECUARIA DE VALE HENRIQUES, S.A. | Partner | Large company | PORTUGAL |
| FACULTADE MEDICINA VETERINARIA / UNIVERSIDADE TECNICA DE LISBOA | Partner | University | PORTUGAL |
| GENETWISTER TECHNOLOGY B.V. | Main | SME | NETHERLANDS |
| UNIVERSIDADE CATOLICA PORT./ESCOLA SUPERIOR DE BIOTECNOLOGIA DA UCP | Partner | University | PORTUGAL |
| CINCAPORC S.L. | Main | SME | SPAIN |
| COMPOSTAJE CICLO NATURAL, S.L. | Partner | SME | SPAIN |
| MAGAORANGE - COMERCIO PRODUTOS PECUARIOS, LDA. | Partner | SME | PORTUGAL |
| INDUSTRIAL ZOOTECNICA ARAGONESA, S.L. | Main | SME | SPAIN |
| DESARROLLOS INDUSTRIALES SORA S.L. | Partner | SME | SPAIN |
| N.S.P. - NUTRICAO E SERVICOS PECUARIOS, LDA. | Partner | SME | PORTUGAL |
| COOPERATIVA AGRARIA SAN MIGUEL | Main | SME | SPAIN |
| PIENSOS SAN DIEGO, S.A. | Partner | SME | SPAIN |
| SEmen CARDONA | Partner | SME | SPAIN |
| KEMIN EUROPE N.V. | Partner | SME | BELGIUM |
| MAGAORANGE - COMERCIO PRODUTOS PECUARIOS, LDA. | Partner | SME | PORTUGAL |
| Cooperativa Virgen de la Oliva scl | Main | SME | SPAIN |
| Casa Agricola Cecilio Ltda. | Partner | SME | PORTUGAL |

MEDICAL AND BIOTECHNOLOGY

E! 4925

EUROAGRI+ ECOPOR

DESIGN OF A FEEDING PROGRAMME WHICH IS SPECIFIC TO SWINE GENETICS AND IS ENVIRONMENTAL AND ANIMAL WELFARE FRIENDLY.

The Project Is Focused On The Design And Implementation In Pig Farms Of A Comprehensive Action Programme On Major Causes Of Environmental Damage Generated On Farms, By Designing A New Feeding Programme Formulated To Cover The Different Fattening Requirements And To Improve N And P Utilisation.

ANNOUNCED

T. Cost (M€)

09
LISBON

2,44

NEW MATERIALS

E! 39

SCINTIGAS

GAS PROPORTIONAL SCINTILLATION COUNTERS

Three Radiation Detectors Of The Gas Proportional Scintillation Counter Type

ANNOUNCED

T. Cost (M€)

86
LONDON

0,6

E! 1937

MICROCAP

MICROENCAPSULATED PRODUCTS APPLIED TO TEXTILES, AUTOMOTIVE LININGS AND LEATHER.

Exploration Of The Possibilities That Successful Laboratory- Scale Microencapsulation Of Some Products Can Provide To Industries (I.E. Sensitive Dye Protection Product And Microencapsulation Of Dyes For Polyamide Fibres).

98
LISBON

0,7

E! 1976

WOOD-INITIATIVE WOODPECKER

OPTIMIZATION OF PARTICLE BOARD CUTTING TECHNOLOGY

Improve The Quality Of The Cutting Of Particle Board By An Appropriate Selection Of Cutting Tools.

98
LISBON

1

E! 2616

FRICTORQ

NOVEL SYSTEM FOR THE MEASUREMENT OF THE FRICTION COEFFICIENT

The Aim Is To Use This Concept To Develop A Laboratory Prototype Which Is Simple To Use, Transportable, Economic And Capable Of Producing Consistent Results To Characterize Fabrics By Measuring Their Friction Coefficient.

02
THESSALONIKI

0,58

E! 5370

ENIWEP E-CHAINS

E-CHAINS, MORE EFFICIENT CHAINS IMPROVING TRIBOLOGICAL BEHAVIOUR

To Increase The Lifetime Of Chain Drives & Raising The Wear Resistance Of Chains. New Materials, Including Coatings And Surface Treatments, Will Be Investigated For Chain Plates, Bushings And Pins. The Possibility To Use Environmental Friendly Lubricants Will Also Be Studied.

10
BERLIN

0,64

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|---|-------------|----------------------|--------------------|
| VALL COMPANYS S.A. | Main | Large company | SPAIN 65 |
| SOCIEDADE AGRO PECUARIA DE VALE HENRIQUES, S.A. | Partner | Large company | PORTUGAL 35 |
| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
| UC - DEPARTAMENTO DE FISICA / CENTRO DE INSTRUMENTACAO UNIVERSIDADE DE COIMBRA | MAIN | UNIVERSITY | PORTUGAL 5 |
| SOMEPAL - SOCIEDADE METALURGICA DA PAMPILHOSA LDA. | Partner | SME | PORTUGAL |
| AEA TECHNOLOGY/NUCLEAR APPLICATIONS CENTRE | Partner | Research Institute | U. KINGDOM 95 |
| INDINOR-INDUSTRIAS QUIMICAS S.A. | MAIN | SME | PORTUGAL 50 |
| UNIVERSIDADE DO MINHO/DEPARTAMENTO DE ENGENHARIA TEXTIL | Partner | University | PORTUGAL |
| UNIVERSITY OF PARDUBICE/ORGANIC TECHNOLOGY DEPARTMENT | Partner | University | CZECH REPUBLIC 20 |
| LONKA PRIBOR A.S. | Partner | SME | CZECH REPUBLIC |
| AVOCET DYE & CHEMICAL CO. LTD. | Partner | SME | UNITED KINGDOM 30 |
| CASCA - SOCIEDADE DE REVESTIMENTOS S.A. | MAIN | LARGE COMPANY | PORTUGAL |
| EUREOSINAS - INDUSTRIAS QUIMICAS S.A. | Partner | SME | PORTUGAL |
| INSTITUTO PEDRO NUNES - ASSOCIACAO PARA A INOVACAO E DESENVOLVIMENTO EM CIENCIA E TECNOLOGIA | Partner | Research Institute | PORTUGAL 63 |
| FREZITE - FERRAMENTAS DE CORTE S.A. | Partner | SME | PORTUGAL |
| HARTEC GMBH & CO. KG | Partner | SME | GERMANY 12 |
| SPANBOARD PRODUCTS LTD. | Partner | Large company | UNITED KINGDOM 25 |
| MAQUISIS - MAQUINAS E SISTEMAS AUTOMATICOS S.A. | MAIN | SME | PORTUGAL |
| TECMINHO - ASSOCIACAO UNIVERSIDADE-EMPRESA PARA O DESENVOLV. | Partner | Research Institute | PORTUGAL |
| UNIVERSIDADE DO MINHO/DEPT. ENG. MECANICA | Partner | University | PORTUGAL |
| TECMINHO - ASSOCIACAO UNIVERSIDADE-EMPRESA PARA O DESENVOLV. | Partner | Research Institute | PORTUGAL |
| UNIVERSIDADE DO MINHO/DEPT. ENG. MECANICA | Partner | University | PORTUGAL |
| SDL INTERNATIONAL LTD. | Partner | SME | U. KINGDOM |
| SDL INTERNATIONAL LTD. | Partner | SME | U. KINGDOM 40 |
| SRAMPORT, TRANSMISSOES MECANICAS, Lda | MAIN | LARGE COMPANY | PORTUGAL |
| FCT-UC / FACULTADE DE CIENCIAS E TECNOLOGIA UNIVERSIDADE DE COIMBRA | Partner | University | PORTUGAL 50,39 |
| 2000 Transmisiones Europa S.A. | Partner | SME | SPAIN 49,61 |

NEW MATERIALS

| | | | ANNOUNCED | T. Cost (M€) |
|----------------|--------------------------|--|---|------------------------------|
| E! 5465 | PRO-FACTORY GREENFOAM | NON ISOCYANATE - NON MOISTURE CURING POLYURETHANE PRODUCTS | Development Of New, Isocyanate Free Polyurethane Products, By Two Main Strategies. One Is To Development Functional Olygomers Allowing The Polymerization Propagation By Reaction With Atmospheric Oxygen. The Second Is To Create Nco Pre-Polymers With Very Low Monomeric Mdi Content (< 0.1%). | 10 BERLIN 2,83 |
| E! 269 | ALSTRUCT | DESIGN OF ALUMINIUM STRUCTURES UNDER FATIGUE LOADING | Stimulate The Use Of Aluminium Alloys For Structural Applications. This Will Involve Research In Welded And Adhesive-Bonded And Bolted Connections Using Aluminium Alloys As Applied For Load-Bearing Structures. | 88 COPENHAGEN 2,25 |
| E! 1486 | EUROSURF EXCOAT | DEVELOPMENT AND APPLICATION OF NEW HARDFACING COMPOSITE MATERIALS FOR ABRASIVE AND HYDRO-ABRASIVE CONDITIONS | Development Of New Materials For Hardfacing Against Abrasion And Hydro-Abrasion With Longer Life And Better Environmental Conditions Than Those Of Currently Used Materials. | 97 LONDON 0,5 |
| E! 1939 | EUROCARE COMREHAB | REHABILITATION AND PROTECTION OF HERITAGE STRUCTURES USING LOW INTRUSIVE LTM FIBRE COMPOSITES. | Development Of Materials And Processes To Use Advanced Fibre Composite Materials For Low Intrusion Rehabilitation And Protection Of Heritage Structures. | 98 LISBON 4,25 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|--|---------|--------------------|------------------|
| SPECALTA Lda - PRODUTOS SUSTENTAVEIS, Lda. | MAIN | SME | PORTUGAL |
| Instituto Superior Tecnico / DEQB - IBB/Polymers | Partner | University | PORTUGAL |
| National Research Council / Institute for Nanostructured Materials Palermo / Research Division | Partner | Research Institute | ITALY |
| HOOGOVENS CORPORATE SERVICES N.V. | Main | Large company | NETHERLANDS |
| ALUMINIUM CENTRUM | Partner | Large company | NETHERLANDS |
| TNO-IBBC - BUILDING AND CONSTRUCTION RESEARCH | Partner | Research Institute | NETHERLANDS |
| BAYARDS | Partner | Large company | NETHERLANDS |
| SCHELDEBOUW | Partner | Large company | NETHERLANDS |
| NEDERLANDSE SPOORWEGEN N.V. | Partner | Large company | NETHERLANDS |
| 3M NEDERLAND | Partner | Large company | NETHERLANDS |
| RAMBOELL CONSULTING ENGINEERS A/S | Partner | Large company | DENMARK |
| AUC - INST. OF BUILDING TECHNOLOGY & STRUCTURAL ENGINEERING AALBORG UNIVERSITY CENTER | Partner | University | DENMARK |
| INDUSTRIA ESPANOLA DEL ALUMINIO S.A. (INESPAL) | Partner | Large company | SPAIN |
| FUNDACION LABEIN | Partner | Research Institute | SPAIN |
| ALCAN INTERNATIONAL LIMITED | Partner | Large company | U. KINGDOM |
| TWI LTD. | Partner | Research Institute | U. KINGDOM |
| ALCOA ITALIA - I.S.M.L. TECHNICAL CENTRE | Partner | Large company | ITALY |
| INSTITUTO DE ENGENHARIA MECANICA E GESTAO INDUSTRIAL (PORTO) | Partner | Research Institute | PORTUGAL |
| ALL-RUSSIA PIPELINE CONSTRUCTION RESEARCH INSTITUTE (VNIIST) | Main | Research Institute | RUSSIAN FED. |
| RUSSIAN ACADEMY OF SCIENCES/INST.F.STRUCTURAL MACROKINETICS | Partner | Research Institute | RUSSIAN FED. |
| EXPERIMENTAL PLANT SPEZELECTRODE | Partner | Large company | RUSSIAN FED. |
| SVUM A.S. (STATNY VYSKUMNY USTAV MATERIALOV A.S.) | Partner | Research Institute | CZECH REPUBLIC |
| INSTITUTO DE SOLDATURA E QUALIDADE INVESTIGACAO E DESENVOLVIMENTO/DIVISAO ENGENHARIA SISTEMAS | Partner | Research Institute | PORTUGAL |
| VYSKUMNY USTAV ZVARAESKY (WELDING RESEARCH INSTITUTE) | Partner | Research Institute | SLOVAK REPUBLIC |
| ACCIONA INFRAESTRUCTURAS S.A. | Main | Large company | SPAIN |
| UNIVERSIDAD DE ZARAGOZA/MECHANICAL ENGINEERING DEPARTMENT | Partner | University | SPAIN |
| JRC - INSTITUTE FOR SYSTEMS, INFORMATICS AND SAFETY JOINT RESEARCH CENTRE | Partner | Research Institute | EU |
| THE ADVANCED COMPOSITES GROUP LTD. | Partner | SME | U. KINGDOM |
| STAP - REPARACAO, CONSOLIDACAO E MODIFICACAO DE ESTRUT. LDA. | Partner | SME | PORTUGAL |
| LJUBLJANA UNIVERSITY/CIVIL ENGINEERING INSTITUTE (ZRMK) | Partner | University | SLOVENIA |

NEW MATERIALS

| | | | ANNOUNCED | T. Cost (M€) |
|----------------|--------------------|---|---|-------------------|
| E! 2140 | TECHNO-LEATHER | NEW COMPOSITE MATERIAL PRODUCED BY MEANS OF REACTION OF TECHNOPOLYMERS AND LEATHER | Polymers Are Already Applied In The Tanning Industry To Improve Aesthetic Characteristics. By Utilizing Different Polymers (Technopolymers) We Intend To Obtain New Composite Leather Products With Higher Mechanical Performances. | 00 HANOVER 2,8 |
| E! 2210 | EUROCARE BRONZART | ARTISTIC BRONZES: SELECTION OF ALLOYS, PROTECTIVE EVALUATION USING CONVENTIONAL AND ADVANCED TECHNIQUES | Analysis Of The Behaviour Of Different Bronze Alloys And Coatings And Corrosion Inhibitors As A Function Of Natural And Simulated Environments. Innovative Techniques, Tla And Ecn, Applied For Degradation Measurements. | 00 HANOVER 2,93 |
| E! 2221 | LEATHER BYPRODUCTS | RECYCLING IN THE INDUSTRIAL PROCESS OF LEATHER INDUSTRY BY-PRODUCTS | During This Project, The Treatment And Re-Utilization Of Tanning Industry By-Products Will Be Studied So That Large Quantities Of Solid Waste Can Be Exploited. The Aim Is To Reduce Disposal Costs And Produce Re-Usable Products. | 00 HANOVER 1,8 |
| E! 2502 | FREEHALOGEN | HALOGEN-FREE IGNIFUGATION OF PLASTIC INSULATORS FOR ELECTRIC WIRES IN AUTOMOTIVE APPLICATIONS | Design Of Halogen-Free, Flame-Retardant Plastic Formulations For Cable Insulators In The Automotive Sector Able To Compete With The Vinyl Compounds Currently Used, As These Are Now Called Into Question From An Environmental Viewpoint | 01 MADRID 1,1 |
| E! 2719 | ECOMACU | ECOLOGICAL MACHINABLE COPPER ALLOYS WITH REDUCED LEAD CONTENT. | Research And Development Of New Cast And Wrought Machinable Brasses With Reduced Lead Content. The New Materials Will Exhibit Very Good Machinability And Be Used For The Fabrication Of Parts By Cutting On Automatic Machines. | 03 COPENHAGEN 0,8 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|--|---------|--------------------|------------------|
| IL VELIERO S.P.A - INDUSTRIA CONCIARIA | Main | SME | ITALY |
| ENEA (PISA) / ENTE PER LE NUOVE TECNOLOGIE, L'ENERGIA, L'AMBIENTE | Partner | Research Institute | ITALY |
| ELKEDE TECHNOLOGY AND DESIGN CENTRE S.A. | Partner | Research Institute | GREECE |
| CONSTANTINO MOTA S.A. | Partner | SME | PORTUGAL |
| ADITEC-ASSOCIAÇÃO PARA O DESENVOLVIMENTO E INN. TECNOLOGICA | Partner | Research Institute | PORTUGAL |
| CTIC - CENTRO TECNOLOGICO DAS INDUSTRIAS DO COURO | Partner | Research Institute | PORTUGAL |
| LEATHER AND FOOTWEAR RESEARCH INSTITUTE (ICPI) | Partner | Research Institute | ROMANIA |
| PIELOREX S.A. | Partner | SME | ROMANIA |
| TECHNICAL UNIVERSITY 'GH. ASACHI'/TEXTILE-LEATHER FACULTY | Partner | University | ROMANIA |
| FONDERIA ARTISTICA VENTURI ARTE | Main | SME | ITALY |
| TU-WIEN/ATOMINSTITUT DER ÖSTERREICHISCHEN UNIVERSITAETEN | Partner | University | AUSTRIA |
| MONTANUNIV. LEOBEN/INST.F.ALLGEMEINE UND ANALYTISCHE CHEMIE | Partner | University | AUSTRIA |
| SVUOM PRAHA A.S. | Partner | SME | CZECH REPUBLIC |
| TECMINHO - ASSOCIAÇÃO UNIVERSIDADE-EMPRESA PARA O DESENVOLV. | Partner | Research Institute | PORTUGAL |
| CARIATIDES - PRODUCAO DE PROJECTOS E EVENTOS CULTURAIS LDA. | Partner | SME | PORTUGAL |
| HELLENIC LEATHER CENTER S.A. (EL.KE.DE.) | Main | Research Institute | GREECE |
| ENEA (PISA) ENTE PER LE NUOVE TECNOLOGIE, L'ENERGIA, L'AMBIENTE | Partner | Research Institute | ITALY |
| MONTANA S.R.L. | Partner | SME | ITALY |
| INDINOR-INDUSTRIAS QUIMICAS S.A. | Partner | SME | PORTUGAL |
| CURTUMES AVENEDA LDA. | Partner | SME | PORTUGAL |
| LEATHER AND FOOTWEAR RESEARCH INSTITUTE (ICPI) | Partner | Research Institute | ROMANIA |
| PERPLASTIC II S.L. | Main | SME | SPAIN |
| COMPANHIA DE FIOS Y CABOS LDA (COFICAB) | Partner | SME | PORTUGAL |
| RESEARCH INSTITUTE FOR METALS (PANENSKE BREZANY) | Main | Research Institute | CZECH REPUBLIC |
| CZECH TECH.UNIV./DEPARTMENT OF MANUFACTURING TECHNOLOGY FACULTY OF MECHANICAL ENGINEERING | Partner | University | CZECH REPUBLIC |
| KOVOLIT MODRICE A.S. | Partner | SME | CZECH REPUBLIC |
| KOVOHUTE CELAKOVICE S.A. | Partner | SME | CZECH REPUBLIC |
| TECMINHO - ASSOCIAÇÃO UNIVERSIDADE-EMPRESA PARA O DESENVOLV. | Partner | Research Institute | PORTUGAL |
| C. F. DUARTE LDA. | Partner | SME | PORTUGAL |

NEW MATERIALS

| | | | ANNOUNCED | T. Cost (M€) |
|----------------|------------------|--|---|---------------------------|
| E! 2819 | FACTORY ECOPLAST | DEVELOPMENT AND CHARACTERISATION OF ECO-FRIENDLY THERMOPLASTICS | The Project Goal Is To Develop Eco-Friendly Thermoplastics As A Composite Of Polymers And Natural Fibres Like Wood, Flax, Jute, Etc. The Application Guidelines Will Describe Parts Properties And Injection Moulding Process Parameters. | 02 THESSALONIKI 2,2 |
| E! 2846 | AIMTECH | ADVANCED INJECTION MOULDING TECHNOLOGY | Aimtech Is A Complex, Result-Oriented Project. Subject To Success, It Will Provide An Opportunity For Plastics Processors To Reduce Manufacturing Costs Through Increased Production Efficiency. | 03 COPENHAGEN 5 |
| E! 3317 | HELIBOTS | DEVELOPMENT OF A NEW SHELL OF FLEXIBLE MECHANISMS AND ITS SPECIFIC MANUFACTURING PROCESS | Development And Innovative Methods Of Production Of New Shells Of Flexible Mechanisms Like Bellows, Manufactured With New Materials In Thermoplastic (Tp) Or Thermoplastic Elastomer (Tpe). | 04 PARIS 0,6 |
| E! 3880 | TERMOPELAST | ADDITIVATION AND COMPATIBILITY OF ENGINEERING POLYMERS/ THERMOPLASTIC ELASTOMERS | To Develop An Innovative Compound Based On A Mixture Of Polyamide-6, Different Thermoplastic Elastomers And A Coupling Agent Reinforced With Nanoclays For Use In The Building And Automotive Sectors. | 07 ROMA 1,74 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|--|---------|----------------------|------------------|
| ISOKON PLASTICS MANUFACTURE LTD. | Main | SME | SLOVENIA |
| TECOS - SLOVENIAN TOOL AND DIE DEVELOPMENT CENTRE | Partner | Research Institute | SLOVENIA |
| UNIVERSITY OF LJUBLJANA / FACULTY OF MECHANICAL ENGINEERING Lakos | Partner | University | SLOVENIA |
| ZAGREB UNIVERSITY/MECHANICAL/NAVAL ARCHITECTURE FAC. (FAMENA) | Partner | University | CROATIA |
| TISZAI VEGYI KOMBINAT RT. | Partner | Large company | HUNGARY |
| INTEPLASTICO - INDUSTRIAS TEC. PLASTICOS S.A. | Partner | Large company | PORTUGAL |
| PIEP ASSOCIACAO - POLO DE INOVACAO EM ENGENHARIA DE POLIMEROS | Partner | Research Institute | PORTUGAL |
| COPPERPLAS INTERNATIONAL LIMITED | Main | SME | U. KINGDOM |
| TECHNICAST MOULDS LTD | Partner | SME | U. KINGDOM |
| SUPREME TOOLING LIMITED | Partner | SME | U. KINGDOM |
| ARMOLOY LIMITED | Partner | SME | U. KINGDOM |
| TRITECH PRECISION PRODUCTS LTD | Partner | SME | U. KINGDOM |
| TECVAC LTD. | Partner | SME | U. KINGDOM |
| NPL MANAGEMENT LTD / NATIONAL PHYSICAL LABORATORY | Partner | Research Institute | U. KINGDOM |
| UNIVERSITY OF EXETER | Partner | University | U. KINGDOM |
| DBI PLASTICS A/S | Partner | SME | DENMARK |
| AMPCO METALS S.A. | Partner | SME | SWITZERLAND |
| ZANINI GROUP S.A. | Partner | Large company | SPAIN |
| ASCAMM | Partner | Governm./Nat. Admin. | SPAIN |
| INTEPLAS | Partner | SME | PORTUGAL |
| CEN.TECN. DA INDUSTRIA DE MOLDES E FERRAMENTAS ESP. E PLAST. (CENTIMFE) | Partner | Research Institute | PORTUGAL |
| INETI (LISBOA) INSTITUTO NACIONAL DE ENGENHARIA E TECNOLOGIA INDUSTRIAL | Partner | Research Institute | PORTUGAL |
| CENTRO DE APOIO TECNOLOGICO A INDUSTRIA METALOMECHANICA | Partner | Research Institute | PORTUGAL |
| RZ ENGINEERING | Main | SME | FRANCE |
| IBEL - IRMAOS BERNADES S.A. | Partner | SME | PORTUGAL |
| COMPUESTOS Y GRANZAS S.A. (CYGSA) | Main | Large company | SPAIN |
| L'UREDERRA, FUNDACION PARA EL DESARROLLO TECNOLOGICO Y SOCIAL | Partner | Research Institute | SPAIN |
| PERIPLAST LDA. | Partner | SME | PORTUGAL |

NEW MATERIALS

| | | | ANNOUNCED | T. Cost (M€) |
|----------------|-----------------|--|--|----------------------|
| E! 4035 | CALLAWAY | RESEARCH ON NEW CHEMICAL AGENTS PURSUING IMPROVEMENTS IN PHYSICAL PROPERTIES OF PAPER AND CARDBOARD | The Aim Is To Develop An Innovative Dry Strength Agent, Which Will Allow For Maintaining Paper And Cardboard Properties Despite An Increased Use Of Recycled Material. | 07 ROMA 0,95 |
| E! 5412 | SIPOEX | FLAME RETARDANT POLYMER SYSTEMS BY EXPANSION PROCEDURES | To Develop Of New Flame Retardant Polymer Systems By Expansion Procedures, As Well As The Development Of The Technology Optimised For Its Production. The New Developed Materials Will Be Destined To Energy, Automobile And Building Industry Mainly. | 10 BERLIN 1,31 |
| E! 5764 | OPTIMIS | DEVELOPMENT OF NEW AGENTS PERFORMING IMPROVED EFFICIENCY DURING RECUPERATION AND RECYCLED FIBRES DE-INKING PROCESSES | Optimis Project Expects To Work In The Development Of New Agents Of Increase Of Effectiveness Of The De-Inking And Recovery Process In Recycled Fibers, As Well As Develop New Agents Of Dry Resistance Alternative To The Starch Performing Innovating Functionalities. | 10 BERLIN 1 |
| E! 5827 | SUSTAINACOUSTIC | NEW SUSTAINABLE SOUND-PROOFING SOLUTIONS FOR ADVANCED BUILDING | To Develop New Advanced And Sustainable Sound-Proofing Solutions For Building, Customisable And Mainly Based On The Use Of Recycled Textiles, With High Performance And Low Manufacturing Costs. Innovative Solutions Will Be Sought. | 10 BERLIN 1,08 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|--|---------|---------------|------------------|
| KEMIRA IBERICA, S.A. | Main | Large company | SPAIN |
| ERPLIP S.A. | Partner | SME | SPAIN |
| QUIMITECNICA. COM-COMERCIO E INDUSTRIA QUIMICA, S.A. | Partner | SME | PORTUGAL |
| COMPUESTOS Y GRANZAS S.A. (CYGSA) | Main | Large company | SPAIN |
| PERIPLAST LDA. | Partner | SME | PORTUGAL |
| KEMIRA IBERICA, S.A. | Main | Large company | SPAIN |
| QUIMITECNICA. COM-COMERCIO E INDUSTRIA QUIMICA, S.A. | Partner | SME | PORTUGAL |
| ANGEL RUIZ IBANEZ S.A. | Main | SME | SPAIN |
| INSONORIZANTES PELZER S.A. | Partner | Large company | SPAIN |
| FALPER - Falsos Tectos e Perfis Isolantes, SA | Partner | SME | PORTUGAL |
| FIBROPLAC, S.A | Partner | SME | PORTUGAL |

ROBOTICS-PRODUCTION AUTOMATION

ANNOUNCED

T. Cost (M€)

| | | | | | |
|----------------|--------------------|---|---|----------------|------|
| E! 759 | AQUA (DEF) | ADVANCED HIGH QUALITY PRODUCTION BY THE USE OF AN OVERALL SYSTEM ARCHITECTURE FOR SMALL BATCHES | Overall System Architecture For Use By Small/Medium Metal Working Industries. Advanced Technology:Nc-Scanning/Cutting, Welding Systems With Sensors, Programming Systems, Databases For Fast/Flexible Adaptation > Changing Mfg Requirements. | 92 TAMPERE | 3,43 |
| E! 1844 | EUROENVIRON K-LEAN | KNOWLEDGE-BASED STRATEGIES FOR CLEAN, HANDMADE GLASS MANUFACTURING | Develop An Advanced Multisensor System To Control And Monitor Hand Made Glass Manufacturing Processes With The Aim Of Promoting The Sustainable Development Of Traditional Industries, Through Learning And Flexible Environments. | 98 LISBON | 1,29 |
| E! 1913 | ALVAC | CLEAN ALUMINIUM VACUUM POURING SYSTEM | The Goal Is To Produce An Industrial Pouring Equipment Prototype Based On Three Patent Applications, That Transfers Clean Aluminium From A Maintenance Furnace To The Injection Machine, The Die Or The Mould. | 98 LISBON | 0,51 |
| E! 1989 | FACTORY TEXTTEST | MULTI-AXIAL TESTER FOR TECHNICAL FABRICS | Specification Of A Multi-Axial Test Method. Development Of A Measuring Instrument/Definition Of A Set Of Reference Values (Future Standardization) To Evaluate The Mechanical Performance Of Technical Textiles And Composite Materials. | 98 LISBON | 1,3 |
| E! 1990 | MULTITEX | KNITTING MACHINE FOR MULTIAXIAL FABRICS PRODUCTION | Development Of Prototype For The Production Of Multiaxial Weft Knitted Fabrics For Technical Applications In Which The Reinforcing Yarns Interface In Different Ways Including Mechanical Testing Of The Knitted Fabrics. | 98 LISBON | 1,3 |
| E! 1991 | IES | SYSTEM FOR THE INSPECTION OF UNDERWATER INFRASTRUCTURES | Design/Implementation Of A Low Cost, Open System For The Inspection Of Underwater Infrastructures Based On A Remotely-Operated Vehicle. This Integrates High Precision Positioning, Automated Locomotion And Visual Inspection. | 99 ISTANBUL | 0,88 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|--|---------|----------------------|------------------|
| INSTITUTO DE SOLDATURA E QUALIDADE INVESTIGACAO E DESENVOLVIMENTO/DIVISAO ENGENHARIA SISTEMAS | Main | Research Institute | PORTUGAL |
| METALGRUPO SOC.CONSTRUOES E MONTAGENS METALOMECHANICAS LDA. | Partner | SME | PORTUGAL |
| APS-AUTOMATISIERUNG PROZESSTEUERUNG UND SCHWEISSTECHNIK GMBH | Partner | SME | GERMANY |
| FUNDACAO BRASILEIRA DE TECNOLOGIA DE SOLDAGEM | Partner | Research Institute | BRAZIL |
| NEVIDRO INDUSTRIA E TECNOLOGIA DO VIDRO, S.A. | Main | SME | PORTUGAL |
| ISTITUTO SUPERIOR TECNICO/ADMINISTRATIVE AFFAIRS | Partner | University | PORTUGAL |
| HOTWORK-KOSTER | Partner | SME | GERMANY |
| TERMOLAB, FORNOS ELECTRICOS, LDA. | Main | SME | PORTUGAL |
| INSTITUTO DE ENGENHARIA MECANICA E GESTAO INDUSTRIAL(MAMEDE) | Partner | Research Institute | PORTUGAL |
| UNIVERSIDADE DE AVEIRO - DEPT. ENGENH. CERAMICA E DO VIDRO | Partner | University | PORTUGAL |
| AUG. RATH JUN. AG | Partner | Large company | AUSTRIA |
| UNIVERSIDADE DO MINHO/DEPARTAMENTO DE ENGENHARIA TEXTIL | Main | University | PORTUGAL |
| CEL - CACHAPUZ ELECTRONICA LDA. | Partner | SME | PORTUGAL |
| TEXTIL MANUEL GONCALVES (TECHNICAL FABRICS) | Partner | Large company | PORTUGAL |
| INST.DE DESENVOLVIMENTO E INOVACAO TECNOLOG.DO MINHO (IDITE) | Partner | Governm./Nat. Admin. | PORTUGAL |
| RUG - DEPARTMENT OF TEXTILES (VAKGROEP TEXTIELKUNDE) | Partner | University | BELGIUM |
| RIJKS UNIVERSITEIT GENT | Partner | Large company | BELGIUM |
| UNIVERSIDADE DO MINHO/DEPARTAMENTO DE ENGENHARIA TEXTIL | Main | University | PORTUGAL |
| INST.DE DESENVOLVIMENTO E INOVACAO TECNOLOG.DO MINHO (IDITE) | Partner | Governm./Nat. Admin. | PORTUGAL |
| TEXTIL MANUEL GONCALVES (TECHNICAL FABRICS) | Partner | Large company | PORTUGAL |
| CEL - CACHAPUZ ELECTRONICA LDA. | Partner | SME | PORTUGAL |
| RUG - DEPARTMENT OF TEXTILES (VAKGROEP TEXTIELKUNDE) | Partner | University | BELGIUM |
| RIJKS UNIVERSITEIT GENT | Partner | Large company | BELGIUM |
| APDL - ADMINISTRACAO DOS PORTOS DO DOURO E DE LEIXOES | Main | SME | PORTUGAL |
| UNIVERSIDADE DE PORTO/FACULDADE DE ENGENHARIA | Partner | University | PORTUGAL |
| ISR - INSTITUTE FOR SYSTEMS AND ROBOTICS | Partner | Research Institute | PORTUGAL |

ROBOTICS-PRODUCTION AUTOMATION

ANNOUNCED

T. Cost (M€)

| | | | | | | |
|----------------|-------------------|---|---|----|--------------|------|
| E! 1993 | PISCIS | "PISCIS - PROTOTYPE OF AN INTEGRATED SYSTEM FOR COASTAL | Development Of A Low Cost, Highly Operational Prototype System Based On Multiple Autonomous Underwater Vehicles For Environmental/Oceanographic Data Sampling In Coastal Waters With Adequate Spatial-Temporal Resolution. | 99 | ISTANBUL | 1,12 |
| E! 2022 | FACTORY HISIM | HIGH-SPEED INTELLIGENT MILLING CELL FOR MOULD AND DIE MAKING | Design, Build And Test A New Generation Of Intelligent, High-Speed Milling Cell For The Mould And Die Industry, Concentrating On State-Of-The-Art Technologies For The Components, Open Controls, Monitoring And Sensors. | 99 | ISTANBUL | 2 |
| E! 2691 | FACTORY OPTIMOULD | DEVELOPMENT OF INNOVATIVE DESIGN AND MANUFACTURING TECHNIQUES FOR ALUMINIUM MOULDS. | The Objective Is To Optimize The Design Procedures Of Aluminium Moulds, Considering New Methodologies, As A Way To Increase The Productivity, Efficiency And Quality Of The Manufacturing And Injection Mould Process. | 02 | THESSALONIKI | 0,68 |
| E! 2861 | FACTORY IMATECH | INTEGRATED MANUFACTURING | Development Of The Technological Background To Make A Step Forward In The Manufacturing Integration Approach, Including The Assembling Of Metal Components In Bi-Material Mouldings. | 03 | COPENHAGEN | 2 |
| E! 4991 | Separoptica | OPTICAL SEPARATION OF QUARTZ, FELDSPAR AND LEPIDOLITE (LITHIUM). | The Process Of Optical Separation Of Quartz, Feldspar And Lepidolite (Lithium), Lies In The Industrial Separation Of These Minerals, Through The Contrast Of Colours, Brightness And Geometry Of The Particle. | 10 | BERLIN | 1,2 |
| E! 5031 | INNOSENSOR | INNOVATIVE SENSORS FOR ANAEROBIC DIGESTION SYSTEMS | To Develop Two Sensors To Be Used In Control Systems Of Anaerobic Bioreactors. An Innovative Approach Using Optical Fibre Based Sensing Systems Will Be Developed For Measurement Of Methane In Biogas Streams And Volatile Fatty Acids From The Bulk Of Anaerobic Digesters. | 10 | BERLIN | 0,26 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|--|-------------|-------------------------------|--------------------|
| APDL - ADMINISTRACAO DOS PORTOS DO DOURO E DE LEIXOES | Main | SME | PORTUGAL |
| UNIVERSIDADE DE PORTO/FACULDADE DE ENGENHARIA | Partner | University | PORTUGAL |
| ISR - INSTITUTE FOR SYSTEMS AND ROBOTICS | Partner | Research Institute | PORTUGAL |
| INST.DE SCIENCIAS BIOMEDICAS ABEL SALZAR, DEP. PRODUCAO AQ. | Partner | University | PORTUGAL |
| NTUA/MECHANICAL ENGINEERING DEPARTMENT / NATIONAL TECHNICAL UNIVERSITY OF ATHENS | Partner | University | GREECE 20 |
| ANIBAL H. ABRANTES | Main | Large company | PORTUGAL |
| CEN.TECN. DA INDUSTRIA DE MOLDES E FERRAMENTAS ESP. E PLAST. (CENTIMFE) | Partner | Research Institute | PORTUGAL 45 |
| AGILTEC-ENGINEERING & TECHNOL.FOR AGILE & ECO-EFFICIENT MFG. | Partner | Research Institute | PORTUGAL |
| Fundacion FATRONIK | Partner | Research Institute | SPAIN |
| UNDACION TEKNIKER | Partner | Research Institute | SPAIN 40 |
| GORATU MAQUINAS - HERRAMIENTAS | Partner | SME | SPAIN |
| FIDIA S.P.A. (ST. MAURO) | Partner | SME | ITALY 15 |
| IBER-OLEFF - COMPONENTES TECNICOS EM PLASTICO, S.A. | Main | Large company | PORTUGAL |
| UNIVERSIDADE DO MINHO/DEPARTAMENTO DE POLIMEROS (UM-DEP) | Partner | University | PORTUGAL |
| CEN.TECN. DA INDUSTRIA DE MOLDES E FERRAMENTAS ESP. E PLAST. (CENTIMFE) | Partner | Research Institute | PORTUGAL 72 |
| SETSA - SOC. DE ENGENHARIA E TRANSF. S.A. (IBEROMOLDSES) | Partner | Large company | PORTUGAL |
| ALCAN ALUMINIUM VALAIS S.A. / ALCAN ATI | Partner | Large company | SWITZERLAND 28 |
| IBER-OLEFF - COMPONENTES TECNICOS EM PLASTICO, S.A. | Main | Large company | PORTUGAL |
| INETI (LISBOA) INSTITUTO NACIONAL DE ENGENHARIA E TECNOLOGIA INDUSTRIAL | Partner | Research Institute | PORTUGAL |
| UNIVERSIDADE DO MINHO/DEPARTAMENTO DE POLIMEROS (UM-DEP) | Partner | University | PORTUGAL 50 |
| CEN.TECN. DA INDUSTRIA DE MOLDES E FERRAMENTAS ESP. E PLAST. (CENTIMFE) | Partner | Research Institute | PORTUGAL |
| TRW LUCAS VARTITY GMBH | Partner | Large company | GERMANY 15 |
| TRW AUTOMOTIVE ESPANA S.L. | Partner | Large company | SPAIN |
| ITA - INSTITUTO TECNOLOGICO DE ARAGON | Partner | Research Institute | SPAIN 35 |
| Felmica Minerais Industriais, S A | Main | SME | PORTUGAL 80 |
| MOGENSEN GMBH & CO. KG | Partner | SME | GERMANY 20 |
| Simbiente - Environmental Engineering and Management, Ltd. | Main | R and D Performing SME | PORTUGAL |
| Instituto Nacional de Engenharia e Sistemas de Computadores do Porto | Partner | Research Institute | PORTUGAL 75 |
| FiberSensing - Sistemas Avancados de Monitorizacao SA. | Partner | R and D Performing SME | PORTUGAL |
| Bioprocess Control Sweden | Partner | R and D Performing SME | SWEDEN 25 |

ROBOTICS-PRODUCTION AUTOMATION

ANNOUNCED

T. Cost (M€)

| | | | | | |
|---------------|-----------------|---|---|------------------|-------|
| E! 4 | UPAC | ADAPTIVE GARMENT MANUFACTURING UNIT | Garment Factory Development Incorporating The Latest Concepts In Production And Organisation | 85 HANOVER | 20 |
| E! 265 | FAMOS PLANET | PRODUCTION LINE FOR AUTOMOTIVE NEW ELECTRONIC TECHNOLOGIES | "Feasibility Study For Electronic Control Units Production For Automotive Use. | 88 COPENHAGEN | 49,16 |
| E! 736 | AWASYS | AUTOMATIC WAREHOUSE SYSTEM - A FLEXIBLE AND INNOVATIVE SOLUTION FOR COMPUTER-INTEGRATED WAREHOUSING | Open/Flexible Set-Up For Computer Support Of Operational Warehousing Functions. Development Of State-Of-The-Art Wmcs (Warehouse Monitoring Control System) For Several Types Of Warehouse Which Is Easily Adaptable For Future Development. | 92 TAMPERE | 1,07 |
| E! 824 | INTO TIME (DEF) | TOOLS AND METHODS FOR INTEGRATION AND MANAGEMENT OF THE EVOLUTION OF INDUSTRIAL ENTERPRISES - FEASIBILITY STUDY | Aim: Launch Projects To Improve Productivity/Competitiveness And Support The Change Process Of Industrial Enterprises. Projects Will Develop Global Methodical Approach With Integrating Modelling From Design To Implementation Level. | 93 PARIS | 1,78 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|---|---------|--------------------|------------------|
| LEC - LECTRA SYSTEMES | Main | SME | FRANCE 72 |
| EID-EMPRESA DE INVESTIGACAO E DESENVOLV. DE ELECTRONICA S.A. | Partner | SME | PORTUGAL 28 |
| EFACEC AUTOMACAO E ROBOTICA S.A. | Partner | Large company | PORTUGAL |
| MAGNETI MARELLI S.P.A. (PAVIA) | Main | Large company | ITALY 69,5 |
| MAGNETI MARELLI IBERICA S.A. | Partner | Large company | SPAIN 0,6 |
| UNIVERSIDAD COMPLUTENSE DE MADRID/DEP. TECNOLOGICA FOTONICA | Partner | University | SPAIN |
| MAGNETI MARELLI FRANCE S.A. (NANTERRE) | Partner | Large company | FRANCE 29,6 |
| MAGNETI MARELLI FRANCE S.A. (CHATELLERAULT) | Partner | Large company | FRANCE |
| UNIVERSITY OF MANCHESTER/WOLFSON IMAGE ANALYSIS UNIT / THE VICTORIA UNIVERSITY OF MANCHESTER | Partner | University | U. KINGDOM 0,3 |
| UCD - ADVANCED MANUFACTURING TECHNOLOGY CENTRE / UNIVERSITY COLLEGE DUBLIN | Partner | University | IRELAND 0 |
| INSTITUTO DE SOLDATURA E QUALIDADE / INVESTIGACAO E DESENVOLVIMENTO/DIVISAO ENGENHARIA SISTEMAS | Partner | Research Institute | PORTUGAL 0 |
| BSO/ORIGIN N.V. | Main | Large company | NETHERLANDS |
| UNIGRO N.V. | Partner | Large company | NETHERLANDS 72 |
| INTERNATIONALE SPAR CENTRALE B.V. | Partner | Large company | NETHERLANDS |
| EFACEC AUTOMACAO E ROBOTICA S.A. | Partner | Large company | PORTUGAL 28 |
| SOC. ELECTRONIQUE INFORMATIQUE SYSTEME AUTOMATISME (SELISA) | Main | SME | FRANCE |
| ISERPA (ANGERS) / INST.SUP.D'ENSEIGNEMENT ET DE RECH.EN PRODUCTION AUTOMATISEE" | Partner | Research Institute | FRANCE |
| CLEMENTSY S.A. | Partner | Large company | FRANCE |
| UNIVERSITE DE SAVOIE/COMPUTER SCIENCE DEPARTMENT (LIA) | Partner | University | FRANCE |
| AEROSPATIALE S.N.I. S.A. (ETABLISSEMENT DE SURESNES) | Partner | Large company | FRANCE 44 |
| AEROSPATIALE S.N.I. S.A. - SIEGE (PARIS) | Partner | Large company | FRANCE |
| ADEPA - AGENCE DE LA PRODUCTIQUE | Partner | Research Institute | FRANCE |
| AUGRAI - ASSOCIATION DES UTILISATEURS DE LA METHODE GRAI | Partner | SME | FRANCE |
| AUGRAI (ASSOCIATION DES UTILISATEURS DE LA METHODE GRAI) | Partner | University | FRANCE |
| IKERLAN, CENTRO DE INVESTIGACIONES TECHNOLOGICA | Partner | Research Institute | SPAIN 2 |
| HUT - INDUSTRIAL AUTOMATION INSTITUTE HELSINKI UNIVERSITY OF TECHNOLOGY | Partner | University | FINLAND 9 |
| UNIVERSITY COLLEGE GALWAY - C.I.M. RESEARCH UNIT (CIMRU) | Partner | University | IRELAND 6 |
| PIRELLI CAVI & SISTEMI S.P.A. | Partner | Large company | ITALY 18 |
| SINTEF - PRODUCTION ENGINEERING INSTITUTE | Partner | Research Institute | NORWAY 3 |
| FORDES - FORMACAO, DESENVOLVIMENTO E INVESTIGACAO LDA | Partner | SME | PORTUGAL 13 |
| KTH - ROYAL INSTITUTE OF TECHNOLOGY/MFG.AND COMPUTER SYSTEMS | Partner | University | SWEDEN |
| "SCANIA CV AB (SOEDERTAELJE) | Partner | Large company | SWEDEN 4 |

| ROBOTICS-PRODUCTION AUTOMATION | | | | ANNOUNCED | T. Cost (M€) |
|--------------------------------|-----------------|---|---|-------------------|--------------|
| E! 1074 | MAINE TAM | ADVANCED TECHNOLOGIES ON MAINTENANCE | Vibration And Thermography Technologies Applied To Industrial Maintenance Purposes. Emphasis On Energy, Metal, Cement And Chemical Industries. | 94 LILLEHAMMER | 2,55 |
| E! 1128 | INTO TIME TOOL | INTEGRATION OF TECHNOLOGY AND MANAGEMENT OF THE EVOLUTION OF MANUFACTURING SYSTEMS: METHOD AND TOOL | Time Tool Addresses The Markets Of Medium/Large Companies Wanting To Adapt Their Organisations To Face New Competitors Or Markets. This Computerised Tool Will Permit An Overall Methodical Approach Including I.T./Processes/Decisions. | 94 LILLEHAMMER | 4,26 |
| E! 1445 | FACTORY PROJOIN | "QUALITY-ORIENTED ENGINEERING WITH INNOVATIVE TECHNOLOGIES AND ORGANISATION FOR FLEXIBLE PRODUCTION IN WELDING" | Introduce/Put Into Practice New, Quality-Oriented Approaches To Welding Engineering Via New Technologies On Welding Engineering With Novel Technologies/Organisation. Key Areas: Production Automation/Process Control/Environmental Aspects. | 96 BRUSSELS | 9,72 |
| E! 1504 | FACTORY ABT | AIR CONDITIONING BASED ON THERMOELECTRICITY | The Project Aims To Develop An Air Conditioning System Based On Thermoelectricity. Initial Feasibility Studies Have Indicated 75% Less Energy Demand. The Target Market Segment Is Air Conditioning In Cars. | 96 BRUSSELS | 1,34 |
| E! 1733 | FACTORY ACHEN | ADAPTIVE CONTROL FOR THE HOT EXTRUSION OF NANOPHASSED MATERIALS | The Aim Is To Develop A Hot Extrusion Technology Of Powders Characterised By High Automation Characteristics Obtained By An Adaptive Control Method. | 97 LONDON | 1,88 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|--|---------|--------------------|------------------|
| ASOCIACION DE LA INDUSTRIA NAVARRA (AIN) | Main | Research Institute | SPAIN |
| INSTITUTO DE SOLDATURA E QUALIDADE INVESTIGACAO E DESENVOLVIMENTO/DIVISAO ENGENHARIA SISTEMAS" | Partner | Research Institute | PORTUGAL |
| SOC. ELECTRONIQUE INFORMATIQUE SYSTEME AUTOMATISME (SELISA) | Main | SME | FRANCE |
| AUGRAI (ASSOCIATION DES UTILISATEURS DE LA METHODE GRAI) | Partner | University | FRANCE |
| UNIVERSITY COLLEGE GALWAY - C.I.M. RESEARCH UNIT (CIMRU) | Partner | University | IRELAND |
| FORDES - FORMACAO, DESENVOLVIMENTO E INVESTIGACAO LDA | Partner | SME | PORTUGAL |
| APS-AUTOMATISIERUNG PROZESSTEUERUNG UND SCHWEISSTECHNIK GMBH | Main | SME | GERMANY |
| INSTITUT FUER FUEGETECHNIK UND WERKSTOFFPRUEFUNG GMBH | Partner | Research Institute | GERMANY |
| METALL- UND STAHLBAU KLEIN + STAHLBAU JUERSCHICK | Partner | SME | GERMANY |
| KYFFHAEUSER MASCHINENFABRIK ARTERN GMBH | Partner | SME | GERMANY |
| JOINT-STOCK COMPANY "SETTON" LTD. | Partner | SME | ESTONIA |
| "UPM/MATERIAL SCIENCES & ENGINEERING - E.T.S.I.I. UNIVERSIDAD POLITECNICA DE MADRID" | Partner | University | SPAIN |
| LESLIE & CO. (COVENTRY) LIMITED | Partner | SME | U. KINGDOM |
| STANDARD FASEL-LENTJES B.V. | Partner | SME | NETHERLANDS |
| INSTITUTO DE SOLDATURA E QUALIDADE / INVESTIGACAO E DESENVOLVIMENTO/DIVISAO ENGENHARIA SISTEMAS | Partner | Research Institute | PORTUGAL |
| ISIM - ISTITUTUL DE SODURA / NATIONAL R&D INSTITUTE FOR WELDING AND MATERIAL TESTING | Partner | Research Institute | ROMANIA |
| IVF (MOELNDAL) / SWEDISH INSTITUTE OF PRODUCTION ENGINEERING RESEARCH | Partner | SME | SWEDEN |
| CLIMCON DENMARK A/S | Main | SME | DENMARK |
| SCAN TOOL WORKS A/S | Partner | SME | DENMARK |
| ADOLF WUERTH GMBH & CO. KG | Partner | Large company | GERMANY |
| TORMECA | Partner | SME | PORTUGAL |
| INSTITUTO DE SOLDATURA E QUALIDADE INVESTIGACAO E DESENVOLVIMENTO/ DIVISAO ENGENHARIA SISTEMAS | Partner | Research Institute | PORTUGAL |
| M.B.N. S.R.L. | Main | SME | ITALY |
| POLITECNICO DI MILANO/DIPARTIMENTO DI MECCANICA | Partner | University | ITALY |
| CSGI - C/O DIPARTIMENTO DI CHIMICA | Partner | SME | ITALY |
| SEM S.R.L. | Partner | SME | ITALY |
| UNIVERSIDAD DE SEVILLA/INSTITUTO DE CIENCIA DE MATERIALES | Partner | University | SPAIN |
| "INETI (LISBOA) INSTITUTO NACIONAL DE ENGENHARIA E TECNOLOGIA INDUSTRIAL" | Partner | Research Institute | PORTUGAL |
| EST POLIURETANI D.O.O. | Partner | SME | SLOVENIA |

ROBOTICS-PRODUCTION AUTOMATION

ANNOUNCED

T. Cost (M€)

| | | | | | |
|----------------|-----------------|--|---|------------|------|
| E! 1764 | FACTORY ACTUAL | ENHANCING THE ACCURACY OF GEOMETRICAL AND SURFACE PROPERTIES OF FREE-FORM FUNCTIONAL SURFACES OF PROTOTYPES AND PRODUCTS | Primary Objective: Develop A Decision Support System To Enhance The Capabilities Of Rapid Prototyping And Tooling And Injection Moulding In Terms Of Accuracy Of Geometrical Surface And Material Properties. | 97 LONDON | 6,03 |
| E! 1860 | FACTORY IRISES | INFRARED IMAGING SYSTEMS FOR ESSAYS | This Project Addresses The Development Of Tools For The Control And Diagnosis Of Industrial Processes And Products Through Infrared Imaging. | 98 LISBON | 4 |
| E! 1863 | BLUEFISH | SORTING MACHINES FOR BLUE FISH (PILCHARDS, GILT SARDINES AND ANCHOVIES). | The Intention Is To Design A Computer Vision Machine Capable Of Sorting, By Species And Calibre, A Segment Of The So-Called Blue Fish To Supply The Fish Industry With Raw Material Classified By Species And Size. | 98 LISBON | 1,24 |
| E! 1965 | FACTORY COMPLEX | COMPLEX COMPONENTS FROM PLASTIC MATERIALS | Development Of The Engineering Process For Plastic Components With Complex Shape And Requirements. | 98 LISBON | 4,48 |
| E! 2226 | FACTORY FAULA | "FULL AUTOMATION AND COMPUTERIZATION OF THE FLOW OF MATERIALS AT AN INCANDESCENT BULB FACTORY." | The Project Consists Of The Full Automation And Computerization Of The Flow Of Materials At An Incandescent Bulb Factory, In Order To Reinforce The Process And Increase Productivity. | 99 HANOVER | 0,96 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|---|---------|--------------------|------------------|
| UNIVERS.DI PADOVA/DIP.DI INNOVAZIONE MECCANICA E GESTIONALE (DIMEG) | Main | University | ITALY |
| ASKOLL HOLDING S.R.L. | Partner | Large company | ITALY |
| IPU - INSTITUTE FOR PRODUCT DEVELOPMENT | Partner | SME | DENMARK |
| DANISH MICRO ENGINEERING A/S (DME) | Partner | SME | DENMARK |
| INETI (LISBOA)/ INSTITUTO NACIONAL DE ENGENHARIA E TECNOLOGIA INDUSTRIAL | Partner | Research Institute | PORTUGAL |
| SETSA - SOC. DE ENGENHARIA E TRANSF. S.A. (IBEROMOLDES) | Partner | Large company | PORTUGAL |
| GORENJE ORODJARNA, D.O.O. | Partner | Large company | SLOVENIA |
| TECOS - SLOVENIAN TOOL AND DIE DEVELOPMENT CENTRE | Partner | Research Institute | SLOVENIA |
| ASOCIACION DE LA INDUSTRIA NAVARRA (AIN) | Main | Research Institute | SPAIN |
| ACERALIA TRANSFORMADOS, S.A. | Partner | Large company | SPAIN |
| IBERDROLA S.A. (BILBAO) | Partner | Large company | SPAIN |
| OGMA - INDUSTRIA AERONAUTICA DE PORTUGAL | Partner | Large company | PORTUGAL |
| TACORE S.L. | Main | SME | SPAIN |
| CIM CENTRE | Partner | Research Institute | SPAIN |
| M.R.M. INGENIERIA S.L. | Partner | SME | SPAIN |
| VULCAPOR - COMPANHIA PORTUGUESA DE EQUIPAMENTOS INDUSTRIALIS | Partner | SME | PORTUGAL |
| TRW AUTOMOTIVE ESPANA S.L. | Main | Large company | SPAIN |
| ITA - INSTITUTO TECNOLOGICO DE ARAGON | Partner | Research Institute | SPAIN |
| IBER-OLEFF - COMPONENTES TECNICOS EM PLASTICO, S.A. | Partner | Large company | PORTUGAL |
| UNIVERSIDADE DO MINHO/DEPARTAMENTO DE POLIMEROS (UM-DEP) | Partner | University | PORTUGAL |
| "IST/INSTITUTE OF MATERIALS PRODUCTION TECHNOLOGIES (IMP) INSTITUTO SUPERIOR TECNICO" | Partner | University | PORTUGAL |
| SETSA - SOC. DE ENGENHARIA E TRANSF. S.A. (IBEROMOLDES) | Partner | Large company | PORTUGAL |
| PHILIPS IBERICA S.A. | Main | Large company | SPAIN |
| MIEBACH LOGISTIK GMBH | Partner | SME | GERMANY |
| EFASEC AUTOMACAO E ROBOTICA S.A. | Partner | Large company | PORTUGAL |

ROBOTICS-PRODUCTION AUTOMATION

ANNOUNCED

T. Cost (M€)

| | | | | | |
|----------------|---------------------|--|---|-----------------|------|
| E! 2317 | PROSURF | "ADVANCED PRODUCTION TECHNOLOGIES IN 3D-METAL SURFACE | The Aim Is To Overcome Current Technical And Technological Deficits By Advanced Process And Production Automation Technologies In Metal Surface Processing And Net-Shaping For Repair Welding And Recovery Services. | 01 MADRID | 3,71 |
| E! 2760 | MULTIMEDIA DOMOTICS | INNOVATIVE DOMOTIC SYSTEM WITH COMMUNICATION THROUGH RADIOFREQUENCY UNDER A BLUE TOOTH STANDARD | The Aim Is To Develop Of A Highly-Efficient, Modular And Integrated Product Which Combines All The Features And Services Required By A Domotic Installation Within The Same Equipment. | 02 THESSALONIKI | 2,22 |
| E! 3367 | FACTORY DAMPCOMAT | DAMPED COMPOSITE MACHINE TOOL COMPONENTS | Development Of Composite Machine Tool Components With High Damping Capacity In Order To Achieve An Appreciable Increase Of Productivity In Precision Manufacturing. | 05 MAASTRICHT | 0,75 |
| E! 4177 | PRO-FACTORY UES | UBIQUITOUS ORIENTED EMBEDDED SYSTEMS FOR GLOBALLY DISTRIBUTED FACTORIES OF MANUFACTURING ENTERPRISES | Ues Delivers The Next Generation Of Methods And Means For Development And Production Of Hi-Tech Products In Modern Manufacturing Enterprises. A Synergetic Result Comes From The Domains Of A) Management And Control Architecture, B) Distributed Systems Of Ict, C) Ubiquitous Oriented Embedded Systems. | 08 LJUBLJANA | 1,47 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|--|---------|--------------------|------------------|
| APS-AUTOMATISIERUNG PROZESSTEUERUNG UND SCHWEISSTECHNIK GMBH | Main | SME | GERMANY |
| FORD FORSCHUNGSZENTRUM AACHEN GMBH | Partner | Large company | GERMANY |
| INSTITUT FUER FUEGETECHNIK UND WERKSTOFFPRUEFUNG GMBH | Partner | Research Institute | GERMANY |
| EUROMAT GMBH - SURFACE TECHNOLOGY SOLUTIONS | Partner | SME | GERMANY |
| ISOT INNOVATIONZENTRUM F.SCHWEISS- U.OBERFLAECHENTECH.GMBH | Partner | SME | GERMANY |
| AIDO - INST.TECNOLOGICO DE OPTICA/ASOCACION INDUST.DE OPTICA | Partner | Research Institute | SPAIN |
| INSTITUTO DE SOLDATURA E QUALIDADE/ INVESTIGACAO E DESENVOLVIMENTO/ DIVISAO ENGENHARIA SISTEMAS | Partner | Research Institute | PORTUGAL |
| MT-MANUTENACAO E INTEGRIDADE ESTRUTURAL LDA. | Partner | SME | PORTUGAL |
| ISIM - ISTITUTUL DE SODURA / NATIONAL R&D INSTITUTE FOR WELDING AND MATERIAL TESTING | Partner | Research Institute | ROMANIA |
| GFE - GESELLSCHAFT FUER FERTIGUNGSTECHNIK UND ENTWICKLUNG E.V. | Partner | Research Institute | GERMANY |
| PEREZ CAMPS S.A. | Partner | SME | SPAIN |
| AESEA - ALEACIONES ESTAMPADAS, S.A. | Partner | Large company | SPAIN |
| ELECTROACUSTICA GENERAL IBERICA S.A. | Main | SME | SPAIN |
| PASO S.P.A. | Partner | SME | ITALY |
| JUNIOR LDA | Partner | SME | PORTUGAL |
| MIRCONA AB | Main | SME | SWEDEN |
| KTH - DEPT. OF PRODUCTION ENGINEERING ROYAL INSTITUTE OF TECHNOLOGY | Partner | University | SWEDEN |
| SPIREX TOOLS AB | Partner | SME | SWEDEN |
| PALBIT MINAS E METALURGICA | Partner | SME | PORTUGAL |
| GEWEFA GMBH & CO | Partner | SME | GERMANY |
| University of Ljubljana | Main | University | SLOVENIA |
| LITOSTROJ Power | Partner | Large company | SLOVENIA |
| P.P.C. Buzet d.o.o. | Partner | Large company | CROATIA |
| Advanced Computer Service | Partner | SME | SOUTH KOREA |
| Universite Joseph Fourier/ G-SCOP Lab, Sciences pour la Conception, l'Optimisation & la Production de Grenoble | Partner | University | FRANCE |
| FUNDACION PRODINTEC | Partner | University | SPAIN |
| Grupo Intermark 96 S.L | Partner | SME | SPAIN |
| Universidade do Minho | Partner | University | PORTUGAL |

AGRICULTURE AND MARINE RESOURCES

| | | | YEAR | T. COST |
|-------------|------------|---|--|-----------------|
| 4366 | MICROFRUIT | MICROBE-BASED ORGANIC CULTIVATION OF FRUIT AND VEGETABLE CROPS | The project is focused on development and validation of organic production of small fruits and vegetables using unique combination of selected organic matter input together with fungi based microbial inocula. The aim is to fully eliminate agrochemical inputs in current production of target crops. | 2008 830000 |
| 4814 | NILE | A NEW IRRIGATION SYSTEM FOR LOW AND EFFICIENT WATER USE IN AGRICULTURE | NILE seeks to develop a new subsurface irrigation system for agriculture in dry regions with water saving capacity of more than 50%. It consists of an innovative root resistant tube principle, soil conditioners that increase the water holding capacity and an easy to use and cheap installation method | 2008 1876801 |

AGROFOOD TECHNOLOGY

| | | | YEAR | T.COST |
|-------------|---------------|---|--|----------------|
| 4906 | LycopeneRAMAN | MONITORING FUNCTIONAL MOLECULES IN INDUSTRIAL PROCESSES BY DOUBLE SLIT RAMAN | The consortium's goal is to develop and implement a state-of-the-art solution to facilitate online process control to manufacturers of food products. This is achieved by combination of a novel double-slit Raman mini-spectrometer and advanced on-line chemometric data analysis. | 2008 690000 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|--|-----------|------------------------|---------------------|
| Symbio-m s r. o. | Main | R and D Performing SME | CZECH REPUBLIC 58,3 |
| Simbiotec LDA | Partner | R and D Performing SME | PORTUGAL 18,8 |
| Saniplant Biotechnological Research and Development Ltd. | Partner | R and D Performing SME | HUNGARY 22,8 |
| HYDRIP GmbH | Main | R and D Performing SME | AUSTRIA 15 |
| Centro de Estudos, Informação e Formação para o Ambiente | Partner | R and D Performing SME | PORTUGAL 4,4 |
| Hoogen Bodensanierung GmbH | Partner | R and D Performing SME | GERMANY 29,3 |
| Urban Bewässerungs- und Systemtechnik GmbH | Withdrawn | R and D Performing SME | GERMANY 13,1 |
| Centro Operativo e de Tecnologia de Regadio | Partner | R and D Performing SME | PORTUGAL 2,5 |
| University of Bonn, Institute of Crop Science and Resource Conservation (INRES), Department of Plant Nutrition | Partner | University | GERMANY 17,5 |
| Institut fuer Landtechnik | Partner | University | GERMANY 10,1 |
| Deutsches Institut für Kautschuktechnologie e. V. Hannover | Partner | Research Institute | GERMANY 15,9 |
| Associação dos Produtores Agrícolas da Sobrena | Partner | Research Institute | PORTUGAL 5,2 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) |
|---|---------|------------------------|------------------|
| RSP Systems A/S | Main | R and D Performing SME | DENMARK 50 |
| FIT - Fomento da Industria do Tomate | Partner | Large company | PORTUGAL 7,2 |
| Technical University of Lisbon/ Instituto Superior de Agronomia | Partner | University | PORTUGAL 18,1 |
| Danish Technological Institute | Partner | Research Institute | DENMARK 24,6 |

BIOLOGICAL SCIENCES / TECHNOLOGIES

| | | | YEAR | T. COST | |
|-------------|--------------|--|---|---------|-----------|
| 4846 | SkinMonitor | DIAGNOSIS OF SKIN CANCER BASED ON ICT TOOLS | SkinMonitor will deliver non-invasive ICT based tools that improve the accuracy of skin cancer diagnosis by analysing and fusing information from digital images and ultrasound data. By providing morphological information on the lesions, enables better assessment of cancer extent within the body. | 2008 | 1140500 |
| 5507 | CORMPOI | DEVELOPMENT OF CARBON MONOXIDE RELEASING MOLECULES FOR THE TREATMENT OF POST-OPERATIVE ILEUS | Post-operative ileus (POI) is a major economic and medical problem. Experimental carbon monoxide-releasing molecules (CO-RMs) have shown great promise for the treatment of this condition. The project proposes the chemical preparation and testing of candidate CO-RMs for the clinical treatment of POI. | 2010 | 754356 |
| 5553 | PARK | IDENTIFICATION OF MOLECULES TO TREAT PARKINSON'S DISEASE (PD) USING A NOVEL ZEBRAFISH MODEL | This project will deliver candidate-molecules for PD. We will develop both a novel zebrafish model of PD, and a novel system to assess behaviour. We will reduce costs and increase efficiency in drug development by using these tools to screen a chemical library in search for new therapeutics for PD. | 2010 | 1357617,4 |
| 5649 | OMNIANALYSIS | DEVELOPMENT OF SYNERGETIC FUNCTIONALITIES BETWEEN COMPUTERIZED CTG AND ST WAVE ANALYSES FOR INTRAPARTUM DECISION SUPPORT | The objective is to develop and add new synergistic functionalities to the Omnidview-SisPorto central monitoring and to the STAN fetal monitors, which allow the reduction of neonatal neurological damage and mortality due to hypoxia, through a unique decision support system with computerized analysis. | 2010 | 595687 |
| 4789 | ECOTREE | ECO-FRIENDLY REVITALIZATION OF URBAN, FORESTRY AND FRUITCULTURE TREES. MOTTO OF THE PROJECT: TREES ARE OUR GROWING INTEREST | The project is focused on development of integrated solutions for ecological care for trees in cities, forestry and fruitculture plantations by using natural micro-organisms, beneficial mycorrhizal fungi. The aim is to reduce negative impact of chemicals on the environment and on the citizens life. | 2008 | 825000 |

| PARTICIPANTS | ROLE | CONTRIBUTION (%) | | |
|---|---------|------------------------|-----------------|------|
| Instituto Agilus de Inovação em Tecnologia de Informação, S.A. | Main | R and D Performing SME | PORTUGAL | 20,9 |
| Department of Dermatology and Venereology, Faculty of Medicine, University of Porto | Partner | University | PORTUGAL | 11,2 |
| Ultrasound Institute of Kaunas University of Technology | Partner | University | LITHUANIA | 18,1 |
| Visiomed AG | Partner | R and D Performing SME | GERMANY | 20,1 |
| Department of Skin and Venereal Diseases of Kaunas University of Medicine | Partner | University | LITHUANIA | 13,1 |
| Labor s.r.l. | Partner | R and D Performing SME | ITALY | 16,7 |
| Alfama - Investigacao e Desenvolvimento de Produtos Framaceuticos, Lda. | Main | R and D Performing SME | PORTUGAL | 70,7 |
| GalChimia, S.L. | Partner | SME | SPAIN | 29,3 |
| TechnoPhage, S.A., Investigação e Desenvolvimento em Biotecnologia | Main | R and D Performing SME | PORTUGAL | 51,2 |
| Erasmus University Medical Center Rotterdam | Partner | University | THE NETHERLANDS | 28,1 |
| IMM - Instituto de medicina Molecular | Partner | Governm./Nat. Admin. | PORTUGAL | 14,8 |
| Fundação da Universidade do Porto - Faculdade de Engenharia | Partner | University | PORTUGAL | 5,9 |
| Speculum, Artigos Médicos S.A. | Main | R and D Performing SME | PORTUGAL | 51 |
| Neoventa Holding AB | Partner | R and D Performing SME | SWEDEN | 41,5 |
| Instituto Nacional de Engenharia Biomédica | Partner | Research Institute | PORTUGAL | 7,5 |
| Symbiom spol. s r.o. | Main | R and D Performing SME | CZECH REPUBLIC | 69,7 |
| Mybatec s.r.l. | Partner | R and D Performing SME | ITALY | 18,2 |
| Simbiotec LDA | Partner | R and D Performing SME | PORTUGAL | 12,1 |

BIOLOGICAL SCIENCES / TECHNOLOGIES

| | | | | YEAR | T. COST |
|-------------|---------------|---|---|------|---------|
| 4816 | PSST | NOVEL DEVICE FOR STANDARDIZED AND RAPID BLOOD PLASMA SEPARATION AND STABILIZATION (PSST) | The purpose is to develop and verify a prototype for rapid and reliable blood plasma separation and stabilization thereby increasing the potential discovery of biomarkers for diagnostics and drug development. This will result in a commercially available disposable product. | 2008 | 497120 |
| 5143 | PRK_TREATMENT | EXERCISE SYSTEM FOR PARKINSON CONTINUOUS TREATMENT AND REHABILITATION. | Software Exercise System for Parkinson professionals and patients to carry on therapy and rehabilitation processes; it could be adjusted to patient situation either automatically or by professional guidance and include motivation techniques to promote the patient to continuously care his disease. | 2009 | 898670 |

ELECTRONICS, IT AND TELECOMS TECHNOLOGY

| | | | | YEAR | T. COST |
|-------------|-------------------|--|--|------|---------|
| 4273 | 4GOpen | OPTIMIZATION AND CONVERGENCE FOR NEXT GENERATION NETWORKS | To design, implement and validate a heterogeneous dynamic system level simulation tool that will provide the end-user with a powerful simulation engine to test in-house innovative wireless protocols, and network deployment strategies for legacy and future emerging wireless networks. | 2008 | 436758 |
| 4378 | ActuatedCharacter | HUMAN MOTION IMITATION USING CLOSED-LOOP CONTROL TECHNIQUES FOR USE IN VIDEO GAMES AND REAL WALKING HUMANOID ROBOTS | This project aims to develop and introduce the innovative concept of "bringing video games to life". Using advanced motion control techniques, the project shall develop a 3D video game engine plugin and a prototype real humanoid robot, creating a parallel between real and virtual worlds. | 2008 | 790000 |
| 5532 | i-CRM | INTERNET CUSTOMER RELATIONSHIP MANAGER | The retailing channels have expanded to provide consumers a greater choice and opportunity to shop according to their convenience. The challenge lies now in keeping your consumers constantly satisfied by upgrading to the latest technologies and managing consumer needs in a competitive environment. | 2010 | 508280 |
| 5547 | TouAREG | TOURISTIC AUGMENTED REALITY ENVIRONMENTS GUIDE | TouAREG proposes to develop an Augmented Reality (AR) Mobile Guide for indoor and outdoor scenarios, relying on smartphones with GPS, camera and accelerometer. It integrates the available information in real time, providing maps, multimedia content and AR explanations to guide the tour. | 2010 | 184827 |

| PARTICIPANTS | ROLE | | CONTRIBUTION (%) | |
|--|---------|------------------------|------------------|------|
| Denator AB | Main | R and D Performing SME | SWEDEN | 40,1 |
| Sigolis AB | Partner | R and D Performing SME | SWEDEN | 19,4 |
| AstraZeneca R&D Mölndal | Partner | Large company | SWEDEN | 0,4 |
| Leiden University Medical Center, Department of Parasitology, Biomolecular Mass Spectrometry | Partner | University | THE NETHERLANDS | 25,4 |
| Departamento de Quimica, Faculdade de Ciências e Technologia, Universidade Nova de Lisboa | Partner | University | PORUGAL | 4,6 |
| ARTICA TELEMEDICINA S.L. | Main | R and D Performing SME | SPAIN | 44,3 |
| ASOCIACIÓN DE PARKINSON DE MADRID | Partner | Other | SPAIN | 16,8 |
| INOVAMAIS - Serviços de Consultadaria em Inovação Tecnológica , SA | Partner | R and D Performing SME | PORUGAL | 30,9 |
| Associação Portuguesa de Doentes de Parkinson | Partner | Other | PORUGAL | 8 |

| PARTICIPANTS | ROLE | COUNTRY | CONTRIBUTION (%) | |
|---|---------|------------------------|------------------|------|
| Wavecom - soluções rádio | Main | R and D Performing SME | PORUGAL | 52,9 |
| Sigint Solutions Ltd. | Partner | R and D Performing SME | CYPRUS | 47,1 |
| Move Interactive, Produções Multimédia S.A. | Main | R and D Performing SME | PORUGAL | 34,4 |
| Instituto Superior Técnico | Partner | University | PORUGAL | 32,2 |
| noDNA GmbH | Partner | R and D Performing SME | GERMANY | 33,1 |
| Profimetrics Software Solutions SA | Main | R and D Performing SME | PORUGAL | 67,3 |
| Harvey Nichols Group | Partner | Large company | UNITED KINGDOM | 24,8 |
| Retail Solution, Ltda | Partner | SME | BRAZIL | 7,9 |
| Reverse Engineering, Sistemas de Metrologia e Multimedia, Lda | Main | R and D Performing SME | PORUGAL | 53,7 |
| LatitudeN GmbH | Partner | R and D Performing SME | GERMANY | 46,3 |

ELECTRONICS, IT AND TELECOMS TECHNOLOGY

| | | | YEAR | T. COST | |
|-------------|----------|---|--|---------|---------|
| 4272 | HADES | HIGHLY ADAPTIVE DECISION SUPPORT SYSTEM FOR SCA IMPROVEMENT | The main goal of the project is the development of Multi-domain Adaptive Decision Support Systems in order to optimize the availability, reliability, security and maintainability of complex networked systems. | 2008 | 1870000 |
| 4276 | OPENSEM | AN OPEN PLATFORM FOR THE SEMANTIC WEB | OpenSem aims at gathering and leveraging the best of "Semantic Web" technologies (Computer Service interoperability, Meaning Extraction, NL Computer Interaction or XML schema to describe taxonomies) to dramatically improve web content richness end-users experience. | 2008 | 1610000 |
| 4426 | AccelTag | DEVELOPMENT OF AN ACOUSTIC ACCELEROMETER TRANSMITTER FOR MARINE SPECIES | Extend the product range and market potential of Thelma by developing a new TAG, i.e. small device that can be implanted into fish, measure tilt and roll angles as well as any sudden movement of the fish and transmit results to marine biologists or research scientists who study fish behavior. | 2008 | 280000 |
| 4759 | CESECORE | A CERTIFIED SECURITY CORE THAT WILL ENABLE DEPLOYMENT OF A WIDE RANGE OF SECURE APPLICATIONS AND SERVICES ACROSS EUROPE. | This project aims to develop an open source Security Core product that will secure a wide range of applications/services. The core will be certified against Common Criteria EAL 4+ and handle all security aspects, allowing certification to be easily extended to products and services using it. | 2008 | 1946600 |
| 4862 | INSIDE | PROVIDING HIGH-QUALITY WiMAX INDOOR COVERAGE THROUGH OPTICAL-FIBRE MULTISERVICE DISTRIBUTED ANTENNA SYSTEMS. | INSIDE project aims at carrying out the final stages of product development of an indoor fibre-based distributed antenna system, designed for ensuring a high quality in-building coverage of current and emerging wireless communication standards (Mobile WiMAX compatible with LTE, GSM, UMTS, WiFi,...). | 2008 | 1234154 |
| 5217 | mainDSS | INTEROPERABLE AND INTELLIGENT MAINTENANCE DECISION SUPPORT SYSTEM FOR THE MANUFACTURING SECTOR | The project will establish a standard methodological framework and will provide the necessary IT tools to improve the performance of industries as relates to their maintenance departments. Main outcomes will include a maintenance ontology, KPIs, performance auditing and DSS automation. | 2009 | 1031000 |

| PARTICIPANTS | ROLE | COUNTRY | CONTRIBUTION (%) |
|--|---------|------------------------|------------------|
| Artica Soluciones Tecnológicas S.L. | Main | R and D Performing SME | SPAIN 25,9 |
| Fundación European Software Institute (ESI-Tecnalia) | Partner | Research Institute | SPAIN 13,8 |
| ABARTIA Team | Partner | R and D Performing SME | SPAIN 25,6 |
| INFRAESTRUCTURAS TECNOLOGICAS ESENCIALES | Partner | R and D Performing SME | SPAIN 9 |
| TEKEVER, S.A. | Partner | R and D Performing SME | PORTUGAL 25,5 |
| EXALEAD S.A. | Main | R and D Performing SME | FRANCE 56 |
| Priberam Informática, S.A. | Partner | R and D Performing SME | PORTUGAL 25 |
| SYNAPSE DEVELOPPEMENT | Partner | R and D Performing SME | FRANCE 18,8 |
| Thelma AS | Main | R and D Performing SME | NORWAY 67,9 |
| Fundacao da Faculdade de Ciencias da Universidade de Lisboa | Partner | Other | PORTUGAL 32,1 |
| PRIMEKEY Solutions AB | Main | R and D Performing SME | SWEDEN 27,4 |
| MULTICERT - Serviços de Certificação Electrónica S.A. | Partner | R and D Performing SME | PORTUGAL 25,9 |
| E-IMZA Bilisim İletişim Bilgi Güvenliği Hizmetleri | Partner | R and D Performing SME | TURKEY 23,6 |
| COMMFIDES NORGE AS | Partner | R and D Performing SME | NORWAY 23,1 |
| DAS Photonics S.L. | Main | R and D Performing SME | SPAIN 32,6 |
| Portugal Telecom Inovaçao | Partner | Large company | PORTUGAL 13,7 |
| WiNetworks | Partner | R and D Performing SME | ISRAEL 53,7 |
| Atlantis Engineering Ltd | Main | R and D Performing SME | GREECE 38,3 |
| UTEK AB | Partner | R and D Performing SME | SWEDEN 29,5 |
| MIIT - Manutenção Industrial Informatizada e tecnologia, Lda | Partner | R and D Performing SME | PORTUGAL 32,2 |

ENERGY TECHNOLOGY

| | | | YEAR | T. COST | |
|-------------|---------|--|---|---------|--------|
| 4336 | SiPoSi | SILICON WAFERS FOR SOLAR PHOTOVOLTAICS BY POWDER SINTERING | The aim of SiPoSi project is to develop a new cost effective route for the production of silicon wafers for solar photovoltaics with an innovative process using hot-pressing directly from silicon powders and by partially fusing the wafer for a better recrystallization. | 2008 | 770000 |
| 4704 | MARIPEM | AUXILIARY POWER GENERATOR BASED ON PEM FUEL CELL FOR NAUTIC APPLICATIONS | The aim of the project is to realize a lightweight APU fuel cell generator which maximizes power density, provides a constant, reliable source of power to electrical equipment of a yacht, reduce to zero noise and emissions when operating in marine environmental conditions. | 2008 | 870898 |

INDUSTRIAL MANUFACTURING, MATERIAL AND TRANSPORT

| | | | YEAR | T. COST | |
|-------------|----------|---|---|---------|---------|
| 4259 | FLY-GEAR | DEVELOPMENT OF AN INNOVATIVE COMPACT ACTUATOR FOR THE STABILITY CONTROL OF ULTRALIGHT AIRCRAFTS | There is a growing demand for both manned and unmanned ultralight aircrafts. Suppliers are requested to provide safer and more reliable stability control systems. The aim of FLY-GEAR is the development of a totally innovative actuator for stability control of ultralights based on NUGEAR technology. | 2008 | 1070000 |

| PARTICIPANTS | ROLE | | COUNTRY | CONTRIBUTION (%) |
|---|---------|------------------------|----------|------------------|
| S'Tile | Main | R and D Performing SME | FRANCE | 69,1 |
| Fundacao da Faculdade de Ciencias da Universidade de Lisboa | Partner | Other | PORTUGAL | 31,2 |
| GENBEE SRL | Main | R and D Performing SME | ITALY | 28,5 |
| Institute Of Mechanical Engineering and Industrial Management | Partner | Research Institute | PORTUGAL | 14 |
| Instituto Nacional de Engenharia,Tecnologia e Inovaçao,LP | Partner | Other | PORTUGAL | 14 |
| Soluções Racionais de Energia, SA | Partner | R and D Performing SME | PORTUGAL | 23,4 |
| Politecnico di Milano - Department of Chemistry, Materials and Chemical Engineering "G.Natta" | Partner | University | ITALY | 20,1 |

| PARTICIPANTS | ROLE | | COUNTRY | CONTRIBUTION (%) |
|--|---------|------------------------|-----------------|------------------|
| Active Space Technologies, Actividades Aeroespaciais Lda. | Main | R and D Performing SME | PORTUGAL | 28,9 |
| Global Teknik Elektronik Yazılım Mühendislik Hav. San. Tic. A.Ş. | Partner | R and D Performing SME | TURKEY | 39,9 |
| Bierens Machinefabrieken B.V. | Partner | R and D Performing SME | THE NETHERLANDS | 31 |

CLUSTERS

| | | | |
|-------------|---------------------|---|--|
| 2144 | EUROFOREST (IMP) | NEW TECHNOLOGIES ORIENTED TO IMPROVE SUSTAINABLE MANAGEMENT IN THE EUROPEAN FORESTRY SECTOR. | The Objective Of This Strategic Project Is To Apply New Biotechnological Tools And Agro-nomic Technologies To Improve The European Forestry Sector. |
| 2319 | FACTORY DNA | DYNAMIC NOVATION OF ARTIFACTS - ADVANCED COMPETITIVE AND SUSTAINABLE PROCESSES FOR MANUFACTURING INDUSTRY | Dna Will Be A R&D Strategic Eureka Factory Cluster On Advanced Competitive And Sustainable Processes For Relevant European Manufacturing Sectors. Dna Will Launch And Clusterise Several Projects With Special Attention To Sme's. |
| 2365 | MEDEA+ | MICROELECTRONICS DEVELOPMENT FOR EUROPEAN APPLICATIONS SYSTEM INNOVATION ON SILICON FOR THE E-ECONOMY | A New Cooperative R & D Programme To Strengthen Micro- Electronics In Europe As The Enabling Technology For The Whole Information Society, Thereby Strongly Contributing To The Creation Of Higher Added-Value And More Jobs. |
| 3187 | CELTIC | COOPERATION FOR A EUROPEAN SUSTAINED LEADERSHIP IN TELECOMMUNICATIONS | Industrial R & D Programme Dedicated To Communication Techniques, Systems And Services. R & D In Telecommunications Is The Key To Help Europe Keep Its Leading Position In Industrial Competitiveness And Make The Digital Age Accessible To All European Citizens. |
| 4456 | MF.IND | MANUFUTURE INDUSTRY | The Cluster Will Deal With Pilot Initiatives, Aimed At Implementation, Within The Manufuture Framework, Of The Strategic Intelligence Developed By Manufuture And Related Entities. This Will Lead And Accelerate The Transformation Of European Industry Towards Competitive Sustainable Manufacturing. |
| 4927 | ACQUEAU | A CLUSTER FOR WATER | To Generate R&Td Projects In Order To Strengthen The Technological Base Of The European Water Industry. This Will Enable The Sector To Become More Efficient & Effective In Serving European Citizens & More Competitive In The Global Markets For Water Services & Related Technologies. |
| 4140 | CATRENE | CLUSTER FOR APPLICATION AND TECHNOLOGY RESEARCH ON NANOELECTRONICS | Co-Operative R&D Public Private Partnership For Large Companies, Smes, Institutes And Universities Aiming At Precompetitive Innovations In Semiconductor Technology And Applications Thus Ensuring Europe's Leadership In Major Technological Domains And Giving Solutions To An Ever Changing Society. |
| 3830 | EURIPIDES | EUREKA INITIATIVE FOR PACKAGING AND INTEGRATION OF MICRO-DEVICES AND SMART SYSTEMS | To Develop New Products Based On Miniaturisation, Autonomy, Reliability, High Speed And Low Energy, Using Micro And Nanotechnologies By Addressing Heterogenous Technologies For Ambient Intelligent Vision. This Cluster Is The Follow-Up Of Eurimus Ii And Pidea+. |
| 2023 | ITEA | INFORMATION TECHNOLOGY FOR EUROPEAN ADVANCEMENT | Collaborative Industrial R&D Programme Dedicated To "Software For Software-Intensive Systems" That Is Being Developed By The European Information Technology Producers And Users' Industry To Boost European Competitiveness. |
| 3674 | ITEA 2 | ITEA 2 - EUROPEAN LEADERSHIP IN SOFTWARE-INTENSIVE SYSTEMS | Industry-Driven Cooperative R & D Programme For Maintaining European Leadership In Software-Intensive Systems (In Which Software Represents A Significant Segment In System Functionality, System Development Cost & Risk, System Dev. Time). |
| 1888 | PIDEA | PACKAGING AND INTERCONNECTION DEVELOPMENT FOR EUROPEAN APPLICATIONS. | Cooperative R & D Initiative Defined To Develop And Exploit The Strengths Of The European Packaging And Interconnection Industries In Information & Communication Technology Systems (icts) Transport And Component Manufacturing Processes. |

| ANNOUNCED | T. COST (M€) | PARTICIPATING COUNTRIES | TECHNOLOGY |
|-----------------|--------------|---|----------------------------------|
| 99 ISTANBUL | 100 | AUSTRIA,BELGIUM,CANADA,SWITZERLAND,REPUBLIC P. CHINA,CZECH REPUBLIC,GERMANY,SPAIN,FINLAND,FRANCE,GREECE,IRELAND,ITALY,LITHUANIA,THE NETHERLANDS,POLAND,PORTUGAL,ROMANIA,SWEDEN,SLOVENIA,TURKEY,CHILE,UNITED KINGDOM | Medical and Biotechnology |
| 00 HANOVER | 100,5 | BELGIUM,SWITZERLAND,CZECH REPUBLIC,GERMANY,SPAIN,FINLAND,HUNGARY,ISRAEL,ITALY,PORTUGAL,RUSSIAN FEDERATION,SWEDEN,UNITED KINGDOM | Robotics - Production Automation |
| 00 HANOVER | 4000 | AUSTRIA,BELGIUM,SWITZERLAND,CZECH REPUBLIC,GERMANY,SPAIN,FINLAND,FRANCE,GREECE,ITALY,THE NETHERLANDS,PORTUGAL,SWEDEN,UNITED KINGDOM | Information Technology |
| 04 PARIS | 1000 | AUSTRIA,BELGIUM,SWITZERLAND,GERMANY,DENMARK,SPAIN,FINLAND,FRANCE,GREECE,HUNGARY,IRELAND,ISRAEL,ICELAND,ITALY,LUXEMBOURG,THE NETHERLANDS,NORWAY,POLAND,PORTUGAL,SWEDEN,TURKEY,UNITED KINGDOM | Communications |
| 08 LJUBLJANA | 400 | ITALY, FINLAND, GERMANY, GREECE, THE NETHERLANDS, POLAND, PORTUGAL, ROMANIA, SAN MARINO, SLOVENIA, SPAIN | New Materials |
| 09 LISBON | 1000,15 | AUSTRIA,SWITZERLAND,GERMANY,DENMARK,SPAIN,EUROPEAN UNION,FRANCE,CROATIA,ISRAEL,NORWAY,PORTUGAL,ROMANIA,TURKEY,UNITED KINGDOM | Environment |
| 08 LJUBLJANA | 5000 | France, Austria, Belgium, Germany, Spain, Finland, Turkey, Israel, Ireland, The Netherlands, Sweden, Italy | Information Technology |
| 06 PRAGUE | 1200 | France, Austria, Belgium , Sweden , Norway , Italy, Czech Republic, Germany, Denmark, Spain, Finland, Israel, The Netherlands, Poland, Switzerland,Turkey | Information Technology |
| 98 LISBON | 3200 | The Netherlands, Austria, United Kingdom, Switzerland, Czech Republic, Germany, Denmark, Spain, European Union, Finland, France, Greece, Ireland, Israel, Italy, Sweden, Belgium | Information Technology |
| 06 PRAGUE | 3000 | The Netherlands, Austria, Belgium, Germany, Finland, Sweden, Spain, Turkey, France, Israel, Norway, Italy, Denmark | Information Technology |
| 98 LISBON | 400 | France, Belgium, Switzerland, Czech Republic, Germany, The Netherlands, Finland, Ireland, Italy, Spain | Information Technology |

| SUB CLUSTERS | TITLE | TECHNOLOGY |
|-------------------|-----------------|--|
| CPo2-035 | CELTIC WISQUAS | COOPERATION FOR A EUROPEAN SUSTAINED LEADERSHIP IN TELECOMMUNICATIONS Communications |
| CPo2-019 | CELTIC OPRONET | COOPERATION FOR A EUROPEAN SUSTAINED LEADERSHIP IN TELECOMMUNICATIONS Communications |
| CPo4-016 | CELTIC LOOP | COOPERATION FOR A EUROPEAN SUSTAINED LEADERSHIP IN TELECOMMUNICATIONS Communications |
| CP5-011 | CELTIC ICARUS | COOPERATION FOR A EUROPEAN SUSTAINED LEADERSHIP IN TELECOMMUNICATIONS Communications |
| CP5-016 | CELTIC MOBILIA | COOPERATION FOR A EUROPEAN SUSTAINED LEADERSHIP IN TELECOMMUNICATIONS Communications |
| CP6-007 | CELTIC AWARE | COOPERATION FOR A EUROPEAN SUSTAINED LEADERSHIP IN TELECOMMUNICATIONS Communications |
| CPo7-011 | CELTIC MEVICO | COOPERATION FOR A EUROPEAN SUSTAINED LEADERSHIP IN TELECOMMUNICATIONS Communications |
| EUR o6 106 | EURIPIDES DISCO | EUREKA INITIATIVE FOR PACKAGING AND INTEGRATION OF MICRO-DEVICES AND SMART SYSTEMS |
| | | Information Technology |

| SUMMARY | ANNOUNCED | TOTAL COST (M€) | PARTICIPATING COUNTRIES | CONTRIBUTION (%) |
|--|------------------|--------------------|---|---|
| INDUSTRIAL R & D PROGRAMME DEDICATED TO COMMUNICATION TECHNIQUES, SYSTEMS AND SERVICES. R & D IN TELECOMMUNICATIONS IS THE KEY TO HELP EUROPE KEEP ITS LEADING POSITION IN INDUSTRIAL COMPETITIVENESS AND MAKE THE DIGITAL AGE ACCESSIBLE TO ALL EUROPEAN CITIZENS. | 05 MAASTRICHT | 5,88 | BELGIUM FRANCE PORTUGAL SPAIN | 21 56 9 11 |
| INDUSTRIAL R & D PROGRAMME DEDICATED TO COMMUNICATION TECHNIQUES, SYSTEMS AND SERVICES. R & D IN TELECOMMUNICATIONS IS THE KEY TO HELP EUROPE KEEP ITS LEADING POSITION IN INDUSTRIAL COMPETITIVENESS AND MAKE THE DIGITAL AGE ACCESSIBLE TO ALL EUROPEAN CITIZENS. | 06 PRAGUE | 1,65 | GERMANY ISRAEL PORTUGAL | 15,2 40,3 44,5 |
| INDUSTRIAL R & D PROGRAMME DEDICATED TO COMMUNICATION TECHNIQUES, SYSTEMS AND SERVICES. R & D IN TELECOMMUNICATIONS IS THE KEY TO HELP EUROPE KEEP ITS LEADING POSITION IN INDUSTRIAL COMPETITIVENESS AND MAKE THE DIGITAL AGE ACCESSIBLE TO ALL EUROPEAN CITIZENS. | 08 LJUBLJANA | 2,5 | GREECE PORTUGAL SPAIN TURKEY | 2,8 15,1 63,6 18,4 |
| INDUSTRIAL R & D PROGRAMME DEDICATED TO COMMUNICATION TECHNIQUES, SYSTEMS AND SERVICES. R & D IN TELECOMMUNICATIONS IS THE KEY TO HELP EUROPE KEEP ITS LEADING POSITION IN INDUSTRIAL COMPETITIVENESS AND MAKE THE DIGITAL AGE ACCESSIBLE TO ALL EUROPEAN CITIZENS. | 09 LISBON | 3,67 | CYPRUS PORTUGAL SPAIN SWEDEN | 13,3 24 50,8 11,9 |
| INDUSTRIAL R & D PROGRAMME DEDICATED TO COMMUNICATION TECHNIQUES, SYSTEMS AND SERVICES. R & D IN TELECOMMUNICATIONS IS THE KEY TO HELP EUROPE KEEP ITS LEADING POSITION IN INDUSTRIAL COMPETITIVENESS AND MAKE THE DIGITAL AGE ACCESSIBLE TO ALL EUROPEAN CITIZENS. | 09 LISBON | 1,9 | CYPRUS | 8,3 |
| INDUSTRIAL R & D PROGRAMME DEDICATED TO COMMUNICATION TECHNIQUES, SYSTEMS AND SERVICES. R & D IN TELECOMMUNICATIONS IS THE KEY TO HELP EUROPE KEEP ITS LEADING POSITION IN INDUSTRIAL COMPETITIVENESS AND MAKE THE DIGITAL AGE ACCESSIBLE TO ALL EUROPEAN CITIZENS. | 10 BERLIN | 4,6 | FRANCE GREECE PORTUGAL SPAIN | 88,8 8,2 2,9 0,1 |
| INDUSTRIAL R & D PROGRAMME DEDICATED TO COMMUNICATION TECHNIQUES, SYSTEMS AND SERVICES. R & D IN TELECOMMUNICATIONS IS THE KEY TO HELP EUROPE KEEP ITS LEADING POSITION IN INDUSTRIAL COMPETITIVENESS AND MAKE THE DIGITAL AGE ACCESSIBLE TO ALL EUROPEAN CITIZENS. | 10 BERLIN | 15,23 | AUSTRIA FINLAND FRANCE GERMANY HUNGARY ISRAEL PORTUGAL SPAIN SWEDEN | 1,7 32,7 20,1 14,7 6,3 1 3,8 13 6,7 |
| TO DEVELOP NEW PRODUCTS BASED ON MINIATURISATION, AUTONOMY, RELIABILITY, HIGH SPEED AND LOW ENERGY, USING MICRO AND NANOTECHNOLOGIES BY ADDRESSING HETEROGENOUS TECHNOLOGIES FOR AMBIENT INTELLIGENT VISION. THIS CLUSTER IS THE FOLLOW-UP OF EURIMUS II AND PIDEA+. | 07 ROMA | 4,79 | FRANCE ITALY PORTUGAL | 55,65 30,54 13,81 |

CLUSTERS + SUB CLUSTERS |

| SUB CLUSTERS | TITLE | TECHNOLOGY | |
|--------------|----------------------------|--|---------------------------|
| EF43 | EUROFOREST (IMP) SEFEAL | NEW TECHNOLOGIES ORIENTED TO IMPROVE SUSTAINABLE MANAGEMENT IN THE EUROPEAN FORESTRY SECTOR. | Medical and Biotechnology |
| 99033 | ITEA NETCARE | INFORMATION TECHNOLOGY FOR EUROPEAN ADVANCEMENT | Medical and Biotechnology |
| 05008 | ITEA EPAS | INFORMATION TECHNOLOGY FOR EUROPEAN ADVANCEMENT | Information Technology |
| 07010 | ITEA 2 EVOLVE | ITEA 2 - EUROPEAN LEADERSHIP IN SOFTWARE-INTENSIVE SYSTEMS | Information Technology |
| 08022 | ITEA 2 NEMO & CODED | ITEA 2 - EUROPEAN LEADERSHIP IN SOFTWARE-INTENSIVE SYSTEMS | Information Technology |
| 08026 | ITEA 2 USIXML | ITEA 2 - EUROPEAN LEADERSHIP IN SOFTWARE-INTENSIVE SYSTEMS | Information Technology |

| SUMMARY | ANNOUNCED | TOTAL COST (M€) | PARTICIPATING COUNTRIES | CONTRIBUTION (%) |
|---|-----------|--------------------|---|--|
| THE OBJECTIVE OF THIS STRATEGIC PROJECT IS TO APPLY NEW BIOTECHNOLOGICAL TOOLS AND AGRONOMIC TECHNOLOGIES TO IMPROVE THE EUROPEAN FORESTRY SECTOR. | 01 MADRID | 0,5 | PORTUGAL SPAIN | 40 60 |
| COLLABORATIVE INDUSTRIAL R&D PROGRAMME DEDICATED TO “SOFTWARE FOR SOFTWARE-INTENSIVE SYSTEMS” THAT IS BEING DEVELOPED BY THE EUROPEAN INFORMATION TECHNOLOGY PRODUCERS AND USERS’ INDUSTRY TO BOOST EUROPEAN COMPETITIVENESS. | 01 MADRID | 7,2 | FRANCE IRELAND PORTUGAL SPAIN | 39 19 19 23 |
| COLLABORATIVE INDUSTRIAL R&D PROGRAMME DEDICATED TO “SOFTWARE FOR SOFTWARE-INTENSIVE SYSTEMS” THAT IS BEING DEVELOPED BY THE EUROPEAN INFORMATION TECHNOLOGY PRODUCERS AND USERS’ INDUSTRY TO BOOST EUROPEAN COMPETITIVENESS. | 06 PRAGUE | 6,4 | AUSTRIA BELGIUM FRANCE GERMANY LUXEMBOURG PORTUGAL SPAIN SWEDEN THE NETHERLANDS UNITED KINGDOM | 1 11 51 14 1 2 12 3 3 2 |
| INDUSTRY-DRIVEN COOPERATIVE R & D PROGRAMME FOR MAINTAINING EUROPEAN LEADERSHIP IN SOFTWARE-INTENSIVE SYSTEMS (IN WHICH SOFTWARE REPRESENTS A SIGNIFICANT SEGMENT IN SYSTEM FUNCTIONALITY, SYSTEM DEVELOPMENT COST & RISK, SYSTEM DEV. TIME). | 09 LISBON | 11,7 | BELGIUM FINLAND PORTUGAL SPAIN | 21 53 3 23 |
| INDUSTRY-DRIVEN COOPERATIVE R & D PROGRAMME FOR MAINTAINING EUROPEAN LEADERSHIP IN SOFTWARE-INTENSIVE SYSTEMS (IN WHICH SOFTWARE REPRESENTS A SIGNIFICANT SEGMENT IN SYSTEM FUNCTIONALITY, SYSTEM DEVELOPMENT COST & RISK, SYSTEM DEV. TIME). | 10 BERLIN | 14,6 | FRANCE PORTUGAL SPAIN | 61 3 36 |
| INDUSTRY-DRIVEN COOPERATIVE R & D PROGRAMME FOR MAINTAINING EUROPEAN LEADERSHIP IN SOFTWARE-INTENSIVE SYSTEMS (IN WHICH SOFTWARE REPRESENTS A SIGNIFICANT SEGMENT IN SYSTEM FUNCTIONALITY, SYSTEM DEVELOPMENT COST & RISK, SYSTEM DEV. TIME). | 10 BERLIN | 12,3 | BELGIUM FRANCE GREECE PORTUGAL ROMANIA SPAIN | 25 42 2 3 3 25 |

| SUB CLUSTERS | TITLE | TECHNOLOGY |
|--------------|--|------------------------|
| A104 A | MEDEA + SCUBA MICROELECTRONICS DEVELOPMENT FOR EUROPEAN APPLICATIONS SYSTEM INNOVATION ON SILICON FOR THE E-ECONOMY | Communications |
| A503 A | MEDEA+ ASSOCIATE MICROELECTRONICS DEVELOPMENT FOR EUROPEAN APPLICATIONS SYSTEM INNOVATION ON SILICON FOR THE E-ECONOMY | Information Technology |
| T206 A | MEDEA+ CMOS SOI FOR LP RF MICROELECTRONICS DEVELOPMENT FOR EUROPEAN APPLICATIONS SYSTEM INNOVATION ON SILICON FOR THE E-ECONOMY | Information Technology |
| A111 A | MEDEA + MARQUIS MICROELECTRONICS DEVELOPMENT FOR EUROPEAN APPLICATIONS SYSTEM INNOVATION ON SILICON FOR THE E-ECONOMY | Communications |

| SUMMARY | ANNOUNCED | TOTAL COST (M€) | PARTICIPATING COUNTRIES | CONTRIBUTION (%) |
|--|--------------------|--------------------|--|---|
| A NEW COOPERATIVE R & D PROGRAMME TO STRENGTHEN MICRO-ELECTRONICS IN EUROPE AS THE ENABLING TECHNOLOGY FOR THE WHOLE INFORMATION SOCIETY, THEREBY STRONGLY CONTRIBUTING TO THE CREATION OF HIGHER ADDED-VALUE AND MORE JOBS. | 01 MADRID | 23 | GERMANY ITALY PORTUGAL | 53 38 9 |
| A NEW COOPERATIVE R & D PROGRAMME TO STRENGTHEN MICRO-ELECTRONICS IN EUROPE AS THE ENABLING TECHNOLOGY FOR THE WHOLE INFORMATION SOCIETY, THEREBY STRONGLY CONTRIBUTING TO THE CREATION OF HIGHER ADDED-VALUE AND MORE JOBS. | 02 THESSALONIKI | 37 | BELGIUM FRANCE ITALY PORTUGAL THE NETHERLANDS | 22 34 12 8 24 |
| A NEW COOPERATIVE R & D PROGRAMME TO STRENGTHEN MICRO-ELECTRONICS IN EUROPE AS THE ENABLING TECHNOLOGY FOR THE WHOLE INFORMATION SOCIETY, THEREBY STRONGLY CONTRIBUTING TO THE CREATION OF HIGHER ADDED-VALUE AND MORE JOBS. | 03 COPENHAGEN | 112 | BELGIUM FRANCE GERMANY PORTUGAL SWEDEN SWITZERLAND THE NETHERLANDS UNITED KINGDOM | 4 65 13 2 11 2 2 1 |
| A NEW COOPERATIVE R & D PROGRAMME TO STRENGTHEN MICRO-ELECTRONICS IN EUROPE AS THE ENABLING TECHNOLOGY FOR THE WHOLE INFORMATION SOCIETY, THEREBY STRONGLY CONTRIBUTING TO THE CREATION OF HIGHER ADDED-VALUE AND MORE JOBS. | 04 PARIS | 34 | BELGIUM FRANCE GERMANY ITALY PORTUGAL SPAIN | 41 13 5 1 9 31 |

CLUSTERS + SUB CLUSTERS |

| SUB CLUSTERS | TITLE | TECHNOLOGY | |
|----------------|-----------------|---|------------------------|
| 2A702 A | MEDEA+ NANOTEST | MICROELECTRONICS DEVELOPMENT FOR EUROPEAN APPLICATIONS SYSTEM INNOVATION ON SILICON FOR THE E-ECONOMY | Information Technology |
| 98106 | PIDEA THE MOST | PACKAGING AND INTERCONNECTION DEVELOPMENT FOR EUROPEAN APPLICATIONS. | Information Technology |
| 03146 | PIDEA EMC PACK | PACKAGING AND INTERCONNECTION DEVELOPMENT FOR EUROPEAN APPLICATIONS. | Transport |

| SUMMARY | ANNOUNCED | TOTAL COST (M€) | PARTICIPATING COUNTRIES | CONTRIBUTION (%) |
|--|---------------|--------------------|--|--|
| A NEW COOPERATIVE R & D PROGRAMME TO STRENGTHEN MICRO-ELECTRONICS IN EUROPE AS THE ENABLING TECHNOLOGY FOR THE WHOLE INFORMATION SOCIETY, THEREBY STRONGLY CONTRIBUTING TO THE CREATION OF HIGHER ADDED-VALUE AND MORE JOBS. | 05 MAASTRICHT | 70,79 | AUSTRIA BELGIUM FRANCE PORTUGAL THE NETHERLANDS | 14 8 49 5 24 |
| COOPERATIVE R & D INITIATIVE DEFINED TO DEVELOP AND EXPLOIT THE STRENGTHS OF THE EUROPEAN PACKAGING AND INTERCONNECTION INDUSTRIES IN INFORMATION & COMMUNICATION TECHNOLOGY SYSTEMS (ICTS) TRANSPORT AND COMPONENT MANUFACTURING PROCESSES. | 00 HANOVER | 4,89 | FRANCE ITALY PORTUGAL | 63,6 22,49 13,91 |
| COOPERATIVE R & D INITIATIVE DEFINED TO DEVELOP AND EXPLOIT THE STRENGTHS OF THE EUROPEAN PACKAGING AND INTERCONNECTION INDUSTRIES IN INFORMATION & COMMUNICATION TECHNOLOGY SYSTEMS (ICTS) TRANSPORT AND COMPONENT MANUFACTURING PROCESSES. | 06 PRAGUE | 28,05 | FRANCE GERMANY PORTUGAL SPAIN SWITZERLAND NETHERLANDS UNITED KINGDOM | 30,47 55,14 2,94 2,85 2,76 1,59 4,25 |

UMBRELLAS |

| UMBRELLAS | TITLE | AREA |
|-----------|---|---------------------------|
| 745 | EUROVOLTAIC European Project In The Field Of Photovoltaics (Umbrella: Generates Projects, But Does Not Carry Out R&D) | Energy technology |
| 37 | EUROMAR Exploitation Of Europe'S Advanced Marine Technology (Umbrella: Generates Projects, But Does Not Carry Out R&D) | Environment |
| 140 | EUROCARE European Project Of Conservation, Restoration And Maintenance (Umbrella: Generates Projects, But Does Not Carry Out R&D) | Environment |
| 330 | EUROENVIRON Environmental Technologies Network (Umbrella: Generates Projects, But Does Not Carry Out R&D) | Environment |
| 1140 | CARE ELECTRONICS Comprehensive Approach For The Recycling And Eco-Efficiency Of Electronics | Environment |
| 1490 | MULTIMEDIA Umbrella In The Multimedia Area (Umbrella: Generates Projects, But Does Not Carry Out R&D) | Information Technology |
| 2527 | EUROTOURISM Advanced Technologies For The European Tourism, Leisure And Cultural Industry | Information Technology |
| 3810 | EUREKA TOURISM Strategic Project For The Development Of New Tourism Concepts Based On Technological Innovation | Information Technology |
| 2566 | EULASNET European Laser Applications Network | Lasers |
| 3765 | EULASNET II European Laser Technology And Applications Network (Phase Ii) | Lasers |
| 718 | EUROAGRI Euroagri (Umbrella: Generates Projects, But Does Not Carry Out R&D) | Medical and Biotechnology |

| SUMMARY | ANNOUNCED | PARTICIPATING COUNTRIES |
|--|--------------|--|
| The Main Purpose Is To Generate New Projects In The Field Of Photovoltaics And To Exchange Information On Market Developments, Commercial, Industrial And Legal Issues And Other Aspects Related To Photovoltaics. | 92 TAMPERE | AUSTRIA, BELGIUM, SWITZERLAND, GERMANY, SPAIN, EUROPEAN UNION, FINLAND, GREECE, HUNGARY, ITALY, THE NETHERLANDS, NORWAY, PORTUGAL, SWEDEN, TURKEY, UNITED KINGDOM |
| Euromar Aims To Stimulate Market-Led Marine Industry In Europe, Especially Taking Account Of Major International Marine Initiatives By Generating New Projects. | 86 LONDON'86 | CROATIA, UNITED KINGDOM, TURKEY, SWEDEN, PORTUGAL, NORWAY, THE NETHERLANDS, ITALY, FRANCE, EUROPEAN UNION, SPAIN, GERMANY, BELGIUM, GREECE, FINLAND, DENMARK |
| New Industrial Products And Technologies As Well As Craft Skills For Conservation And Restoration Work. Establishment Of Technical Standards And Guidelines For Examination And Treatment Of Objects And Monuments. | 86 STOCKHOLM | AUSTRIA, CZECH REPUBLIC, GERMANY, DENMARK, SPAIN, EUROPEAN UNION, FINLAND, FRANCE, GREECE, HUNGARY, IRELAND, ICELAND, ITALY, THE NETHERLANDS, NORWAY, PORTUGAL, SWEDEN, SLOVENIA, TURKEY, UNITED KINGDOM |
| Objective: The Aim Is To Generate Sub-Projects Developing High Technology Products, Processes, Systems Or Services Contributing To Solving Some Of Europe'S Major Environmental Problems. | 89 VIENNA | ICELAND, UNITED KINGDOM, TURKEY, SLOVENIA, SWEDEN, RUSSIAN FEDERATION, PORTUGAL, NORWAY, THE NETHERLANDS, LATVIA, LUXEMBOURG, ITALY, ISRAEL, HUNGARY, CROATIA, GREECE, FINLAND, EUROPEAN UNION, SPAIN, DENMARK, GERMANY, CZECH REPUBLIC, CYPRUS, SWITZERLAND, BELGIUM, AUSTRIA, FRANCE |
| Comprehensive Approach To The Continuous Improvement Of The Environmental Performance Of Electronic Products Over Their Whole Life-Cycle, Including Aspects Such As Recycling, Etc. | 96 BRUSSELS | AUSTRIA, SWITZERLAND, GERMANY, SPAIN, EUROPEAN UNION, THE NETHERLANDS, NORWAY, PORTUGAL, SWEDEN, UNITED KINGDOM |
| Improving The Competitiveness Of The European Multimedia Industry On The Worldwide Market. | 96 BRUSSELS | AUSTRIA, BELGIUM, SWITZERLAND, CZECH REPUBLIC, GERMANY, DENMARK, SPAIN, EUROPEAN UNION, HUNGARY, ITALY, THE NETHERLANDS, NORWAY, PORTUGAL, SWEDEN, SLOVENIA, TURKEY |
| The Objective Of This Strategic Project Is The Application Of New Technologies For The Improvement And Sustainability Of The Tourism, Leisure And Cultural Industry As Well Increasing The European Citizen'S Standard Of Life. | 01 MADRID | AUSTRIA, BRAZIL, SWITZERLAND, GERMANY, DENMARK, SPAIN, EUROPEAN UNION, FINLAND, FRANCE, CROATIA, IRELAND, ICELAND, ITALY, LATVIA, NORWAY, PORTUGAL, ROMANIA, SWEDEN, TURKEY, SERBIA, UNITED KINGDOM |
| The Eureka Tourism Project Will Join Companies Interested In Tourism, Culture And Leisure With Others Focusing On The Development Of Technologies Applicable For Tourism Use And Services. | 06 PRAGUE | AUSTRIA, BELGIUM, SWITZERLAND, GERMANY, SPAIN, FINLAND, GREECE, IRELAND, ITALY, NORWAY, PORTUGAL, RUSSIAN FEDERATION, TURKEY, CYPRUS, UNITED KINGDOM |
| Creation Of A Platform To Stimulate R&D/Technology Transfer Dealing With Laser/Optics Technologies/Their Applications, E.G. In Processing Industries, In Order To Initiate Projects Emphasizing Cooperation Between Industry/R & D Institutions. | 01 MADRID | AUSTRIA, BELGIUM, CZECH REPUBLIC, GERMANY, SPAIN, FINLAND, FRANCE, GREECE, CROATIA, HUNGARY, ISRAEL, ITALY, LITHUANIA, POLAND, PORTUGAL, ROMANIA, SLOVENIA, SLOVAK REPUBLIC, UKRAINE, SERBIA, UNITED KINGDOM |
| Generate El&Other European Rtdi Proj In Specific Fields Of Laser Applications By Bringing Together Eu Competencies In The Field Of Laser Techn&Assisting Eu Enterprises&Res. Org. In Finding Partners For Innovative, Internat Collaboration. | 06 PRAGUE | AUSTRIA, BELGIUM, CZECH REPUBLIC, DENMARK, SPAIN, FRANCE, CROATIA, HUNGARY, ITALY, LITHUANIA, POLAND, PORTUGAL, ROMANIA, SLOVENIA, SERBIA, UNITED KINGDOM |
| Objective: The Aim Is To Generate New Eureka Projects In The Field Of The Food Industry And Basic Related Sectors. | 92 TAMPERE | AUSTRIA, BELGIUM, SWITZERLAND, DENMARK, SPAIN, EUROPEAN UNION, FINLAND, FRANCE, GREECE, HUNGARY, ISRAEL, THE NETHERLANDS, NORWAY, PORTUGAL, ROMANIA, SWEDEN, TURKEY |

| UMBRELLAS | TITLE | AREA |
|-------------|--------------------|--|
| 3038 | EUROAGRI+ | Innovative And Advanced Technologies For Agriculture, Food And Feed Industries |
| | | Medical and Biotechnology |
| 3610 | INNOFISK | European Network For Innovative Aquaculture |
| | | Medical and Biotechnology |
| 4914 | EUROAGRI FOODCHAIN | Euroagri Foodchain |
| | | Medical and Biotechnology |
| 800 | EUROSURF | Surface Engineering (Umbrella: Generates Projects, But Does Not Carry Out R&D) |
| | | New Materials |
| 801 | EUROKLEBEN | Adhesives And Adhesive Joining Technology (Umbrella: Generates Projects, But Does Not Carry Out R&D) |
| | | New Materials |
| 3790 | EUREKABUILD | Technologies For A Sustainable And Competitive Construction Sector |
| | | New Materials |
| 72 | FAMOS | Flexible Automated Assembly Systems (Umbrella: Generates Projects, But Does Not Carry Out R&D) |
| | | Robotics - Production Automation |
| 693 | MAINE | Maintaining Assets In Europe (Umbrella: Generates Projects, But Does Not Carry Out R&D) |
| | | Robotics - Production Automation |
| 1440 | FACTORY | Improving The Competitiveness Of Manufacturing In Industry (Umbrella: Generates Projects, But Does Not Carry Out R&D) |
| | | Robotics - Production Automation |
| 3603 | ENIWEP | European Network For Industrial Wear Prevention |
| | | Robotics - Production Automation |

| SUMMARY | ANNOUNCED | PARTICIPATING COUNTRIES |
|---|---------------|---|
| The Mission Of "Euroagri" Is To Assist The Application Of Innovation And Technologies Within The Agriculture, Food And Feed Sectors In Order To Strengthen European Competitiveness. | 03 COPENHAGEN | AUSTRIA, SWITZERLAND, DENMARK, SPAIN, FINLAND, CROATIA, HUNGARY, ISRAEL, FYROM, THE NETHERLANDS, PORTUGAL, ROMANIA, SLOVENIA, TURKEY, SERBIA |
| This Umbrella Aims At The Creation Of A European-Wide Platform To Combine R & D Capabilities And Expertise In Order To Generate Projects In The Area Of Fish Breeding. | 05 MAASTRICHT | DENMARK, SPAIN, GREECE, ICELAND, THE NETHERLANDS, PORTUGAL |
| To Strengthen The Competitiveness Of The European Agri-Food Sector Through Facilitating The Development Of New Innovative Products And Processes As Well As Supporting Technologies. | 09 LISBON | AUSTRIA, SWITZERLAND, DENMARK, SPAIN, FINLAND, FRANCE, CROATIA, HUNGARY, ISRAEL, THE NETHERLANDS, PORTUGAL, ROMANIA, SLOVENIA, TURKEY |
| Objective: Help Catalyse The Creation Of Collaborative R & D Projects In The Field Of Surface Engineering. This Will Be Done Through The Operation Of A Network Of People In The Participating Countries. | 92 TAMPERE | BELGIUM, SWITZERLAND, GERMANY, DENMARK, SPAIN, EUROPEAN UNION, FINLAND, IRELAND, ITALY, THE NETHERLANDS, NORWAY, PORTUGAL, RUSSIAN FEDERATION, SWEDEN, UNITED KINGDOM |
| Objective: Help Catalyse The Creation Of Collaborative R & D Technology. This Will Be Done Through The Operation Of A Network Of People In The Participating Countries. | 92 TAMPERE | AUSTRIA, GERMANY, DENMARK, SPAIN, FINLAND, IRELAND, ITALY, THE NETHERLANDS, NORWAY, PORTUGAL, SWEDEN, UNITED KINGDOM |
| There Are Two Main Challenges: 1. To Become Sustainable By Reducing Resource Consumption, Managing Transport And Utility Networks In A Sustainable Way, Reducing Environmental And Man-Made Impacts, Improving Safety And Security And Protecting Cultural Heritage; 2. To Become A Demand-Driven Sector. | 06 PRAGUE | AUSTRIA, BELGIUM, SWITZERLAND, CZECH REPUBLIC, DENMARK, SPAIN, FINLAND, FRANCE, GREECE, CROATIA, ICELAND, LITHUANIA, THE NETHERLANDS, NORWAY, POLAND, PORTUGAL, SWEDEN, SLOVENIA, UNITED KINGDOM |
| European Collaboration In The Field Of Flexible Automated Assembly Systems | 86 STOCKHOLM | UNITED KINGDOM, TURKEY, SWEDEN, RUSSIAN FEDERATION, PORTUGAL, NORWAY, THE NETHERLANDS, LUXEMBOURG, ITALY, IRELAND, GREECE, FRANCE, FINLAND, EUROPEAN UNION, SPAIN, DENMARK, GERMANY, SWITZERLAND, BELGIUM, AUSTRIA |
| Set Up A Communication Network To Help Industry Initiate Eureka Proposals To Improve Maintenance. Subjects Will Cover The R & D Needed To Enable Efficient Maintenance Techniques And Strategies To Be Developed, Tested And Implemented. | 92 TAMPERE | AUSTRIA, BELGIUM, GERMANY, DENMARK, SPAIN, EUROPEAN UNION, FINLAND, FRANCE, HUNGARY, IRELAND, ITALY, THE NETHERLANDS, NORWAY, PORTUGAL, SWEDEN, UNITED KINGDOM |
| Flexible Communication Network In The Field Of Industrial Production Systems Integrated In Company Operations To Develop Competitiveness In Mfg. Methods/Design, Mfg. Systems/ Technology And Organisation/Human Resource Development. | 96 BRUSSELS | AUSTRIA, BELGIUM, SWITZERLAND, CZECH REPUBLIC, GERMANY, DENMARK, SPAIN, EUROPEAN UNION, FINLAND, FRANCE, GREECE, HUNGARY, IRELAND, ISRAEL, ITALY, LUXEMBOURG, LATVIA, THE NETHERLANDS, NORWAY, PORTUGAL, RUSSIAN FEDERATION, SWEDEN, SLOVENIA, TURKEY, SERBIA, CYPRUS, UNITED KINGDOM |
| Aims To Bring Together European Competences In The Field Of Tribology, By Establishing An Integrated, Powerful Umbrella To Improve Interaction Between Industry And Tribology Research And To Facilitate The Transfer Of Technology To Industry. | 05 MAASTRICHT | AUSTRIA, BELGIUM, GERMANY, DENMARK, SPAIN, FINLAND, ITALY, PORTUGAL, UNITED KINGDOM |

| UMBRELLAS | TITLE | AREA |
|-------------|--|--|
| 4090 | PRO-FACTORY Improving The Competitiveness Of European Manufacturing / Production Industry | Robotics - Production Automation |
| 5800 | E!-SURF Surface Engineering For Sustainable Production And Products | Robotics - Production Automation |
| 2402 | LOGCHAIN Building Of Advanced Freight Chains And Logistics Technology (Umbrella: Generates Projects, But Does Not Carry Out R&D) | Transport |

| SUMMARY | ANNOUNCED | PARTICIPATING COUNTRIES |
|---|------------|--|
| Pro-Factory Is A European Network That Aims To Bring Forward And Coordinate Applications-Oriented, Bottom-Up, Collaborative R&D Projects In Production And Robotics For Greater Competitiveness And Sustainability. | 07 ROMA | AUSTRIA, BELGIUM, SWITZERLAND, GERMANY, DENMARK, SPAIN, FINLAND, GREECE, HUNGARY, IRELAND, ISRAEL, ITALY, LUXEMBOURG, THE NETHERLANDS, NORWAY, PORTUGAL, ROMANIA, SWEDEN, SLOVENIA, TURKEY, CYPRUS, REPUBLIC OF SAN MARINO, UNITED KINGDOM |
| The Eureka El-Surf Action Is Directed At Developing New, Application Oriented, Industrially Viable Technologies In The Focal Area Of Surface Engineering For Implementation In Resource Efficient, Sustainable Production, Products, And Services Along The Entire Value Chain. | 10 BERLIN | AUSTRIA, BELGIUM, DENMARK, SPAIN, FRANCE, PORTUGAL, UNITED KINGDOM |
| Re-Engineering Of International Transport Along Main European Corridors For Sustainable Freight Mobility. The Aim Is To Stimulate Freight Chains In Europe, Improve And Develop Competitiveness For Intermodal Transport Chains. | 00 HANOVER | AUSTRIA, BELGIUM, SWITZERLAND, GERMANY, SPAIN, FINLAND, LITHUANIA, NORWAY, POLAND, SWEDEN, UNITED KINGDOM |

UMBRELLAS |

**ENTIDADES PORTUGUESAS QUE
PARTICIPARAM EM PROJECTOS EUREKA**
*LIST OF PORTUGUESE ENTITIES THAT
TOOK PART IN EUREKA PROJECTS*

| COMPANIES | EUREKA PROJECT NUMBER | EUROSTARS PROJECT NUMBER |
|---|--------------------------|-----------------------------|
| ACOMOR, AGRUPAMENTO PRODUCTORES MONTEMOR-O-NOVO S.A. | 1362 | |
| | 1829 | |
| | 2429 | |
| Active Space Technologies, Actividades Aeroespaciais Lda. | | 4259 |
| ADMNISTRACAO DO PORTO DE SINES | 1893 | |
| AEP - ASSOCIACAO EMPRESARIAL DE PORTUGAL | 2235 | |
| AGERE - EMPRESA DE AGUAS, EFLUENTES E RESIDUOS DE BRAGA-E.M. | 2524 | |
| AGROS-UNIAO DAS COOP.DE PROD.DE LEITE DE ENTRE DOURO E MINHO E TRAS-OS-MONTES | 2282 | |
| ALBIFLOR LDA. | 1555 | |
| Alfama - Investigacao e Desenvolvimento de Produtos Framaceuticos, Lda. | | 5507 |
| AMBIMED LTD | 3728 | |
| AMI - COMERCIO DE EQUIPAMENTOS DE INFORMATICA, LTDA | 3604 | |
| ANA - AEROPORTOS DE PORTUGAL S.A. | 3142 | |
| | 4519 | |
| ANIBAL H. ABRANTES | 2022 | |
| ANTHONY, PATRICK & MURTA LDA. | 717 | |
| AO SOL ENERGIAS RENOVAVEIS LDA. | 1995 | |
| | 2247 | |
| APARROZ - AGRUPAMENTO DE PRODUTORES DE ARROZ DO VALE DO SADO, LDA | 3747 | |
| APDL - ADMINISTRACAO DOS PORTOS DO DOURO E DE LEIXOES | 1991 | |
| | 1993 | |
| ARCOTEXTEIS-EMPRESA INDUSTRIAL DE SANTO TIRSO S.A. | 2054 | |
| Artshare - Investigacao, Tecnologia e Arte, Lda. | 4982 | |
| Associação dos Produtores Agrícolas da Sobrena | | 4814 |
| Associação Portuguesa de Doentes de Parkinson | | 5143 |
| AUCHAN GROUP | 1052 | |
| BA Vidro. S.A. | 4997 | |
| BIOEID S.A. (QUELUZ DE BAIXO) | | |
| EMPR.DE INVESTIGACAO E DESENVOLVIMENTO EM BIOTECNOLOGIA S.A. | 177 | |
| BPM PORTUGAL - INFORMATICA LDA. | 1707 | |
| BRISA | 3440 | |
| BULL PORTUGUESA COMPUTADORES LDA. | 1052 | |
| C. F. DUARTE LDA. | 2719 | |
| CAMPOTEC S.A. | 1975 | |
| CAPA ALFA, INSTRUMENTACAO E ANALISE LABORATORIAL LDA. | 1994 | |
| CARIATIDES - PRODUCAO DE PROJECTOS E EVENTOS CULTURAIS LDA. | 2210 | |
| Casa Agricola Cecilio Lda. | 4167 | |

| COMPANIES | EUREKA PROJECT NUMBER | EUROSTARS PROJECT NUMBER |
|---|--------------------------|-----------------------------|
| CASCA - SOCIEDADE DE REVESTIMENTOS S.A. | 1976 | |
| CASTANIA, SOCIEDADE AGROFLORESTAL S.A. | 1845 | |
| CEL - CACHAPUZ ELECTRONICA LDA. | 1989 | |
| | 1990 | |
| CENTRE DE ORGANIZACAO E MICROFILMAGEM LDA. | 1213 | |
| Centro de Estudos, Informação e Formação para o Ambiente | | 4814 |
| Centro Operativo e de Tecnologia de Regadio | | 4814 |
| CHIRON, SISTEMAS DE INFORMACAO LDA. | 1892 | |
| CIRES Companhia Industrial de Resinas Sintetics | 4554 | |
| CNOTINFOR - CENTRO DE NOVAS TECNOLOGIAS DA INFORMACAO, LDA. | 3858 | |
| COMPANHIA DE FIOS Y CABOS LDA (COFICAB) | 2502 | |
| COMPENDITUR-ESTUDOS E FORM.EM HOTEL E TURISMO UNIPESSOAL.LDA | 2545 | |
| CONAFI - CONSTRUCAO NAVAL DE FIBRAS S.A. | 1850 | |
| CONSTANTINO MOTA S.A. | 2140 | |
| COOPERATIVA AGRICOLA DE BOMBARRAL C.R.L. | 1714 | |
| COOPERATIVE DE PRODUTORES DE QUEIJOS DA BEIRA-BAIXA (CRL) | 1870 | |
| Critical Software S.A. | 4194 | |
| CURTUMES AVENEDA LDA. | 4519 | |
| Dao Sul - Sociedade Vitivinícola, S.A. | 2221 | |
| Departamento de Quimica, Faculdade de Ciências e Technologia, Universidade Nova de Lisboa | 4506 | |
| Department of Dermatology and Venereology, Faculty of Medicine, University of Porto | 4816 | |
| DESENVOLVE COMERCIALIZACAO DE TECNOLOGIAS DE INFORMACAO S.A. | 4846 | |
| Eco-Partner S.A. | 993 | |
| ECOTEL PORTUGAL | 4521 | |
| EDP - Gestao da Producao de Energia, S.A. | 1507 | |
| | 4555 | |
| | 4 | |
| EFACEC AUTOMACAO E ROBOTICA S.A. | 736 | |
| | 2226 | |
| EID-EMPRESA DE INVESTIGACAO E DESENVOLV. DE ELECTRONICA S.A. | 4 | |
| ELAIA S.A. | 1299 | |
| ERENA LDA. | 4997 | |
| ESTEREOFOTO, Geoengenharia S.A. | 1180 | |
| EUROCITEL. INSTRUMENTOS E EQUIPAMENTOS MEDICO-CIRURGICOS LDA. | 4948 | |
| EUROPROTEINA S.A. | 2916 | |
| EURORESINAS - INDUSTRIAS QUIMICAS S.A. | 292 | |
| Evolve Space Solutions, Lda | 1976 | |
| | 4948 | |

| COMPANIES | EUREKA PROJECT NUMBER | EUROSTARS PROJECT NUMBER |
|---|--------------------------|-----------------------------|
| Expedita – Arquitectura e Gestao de Sistemas | 4942 | |
| F. DUARTE & DUARTE LDA. | 2051 | |
| F7 - CONSULTORIA EM ENGENHARIA E SISTEMAS S.A. | 606 | |
| FALPER - Falsos Tectos e Perfis Isolantes, SA | 5827 | |
| FARMA-APS | 781 | |
| FeedZai - Consultadaria e Inovacao Tecnologica | 4966 | |
| Felmica Minerais Industriais, S A | 4991 | |
| FiberSensing - Sistemas Avancados de Monitorizacao SA. | 5031 | |
| FIBROPLAC, S.A | 5827 | |
| FIT - Fomento da Industria do Tomate | | 4906 |
| | 708 | |
| FORDESI - FORMACAO, DESENVOLVIMENTO E INVESTIGACAO LDA | 824 | |
| | 1128 | |
| FREZITE - FERRAMENTAS DE CORTE S.A. | 1976 | |
| FRUCAR-COMERCIO DE FRUTAS, LDA. | 1714 | |
| FRUTUS - ESTACAO FRUTEIRA DO MONTEJUNTO, C.R.L. | 1714 | |
| Fundacao da Faculdade de Ciencias da Universidade de Lisboa | | 4336 |
| | | 4426 |
| Fundação da Universidade do Porto - Faculdade de Engenharia | | 5553 |
| Genibet Biopharmaceuticals, S.A. | 4533 | |
| | 4947 | |
| GEOGLOBAL - SISTEMAS DE INFORMACAO GEOGRAFICA LDA. | 2964 | |
| GERAR - GESTAO DE REDES DE AGUAS E RESIDUOS, LDA. | 1697 | |
| GESTLUZ - CONSULTORES DE GESTAO LDA. | 2235 | |
| GISCON-GABINETE DE SISTEMAS INFORMATICA E CONSULTADORES, LDA | 1887 | |
| HOMENS & SISTEMAS,ORGANAZACAO E DESENVOLVIMENTO DE EMPR.S.A. | 1943 | |
| HONORIO CARROCARIAS - JORGE HONORIO DA SILVA & FILHO, LDA. | 2477 | |
| IBEL - IRMAOS BERNADES S.A. | 2328 | |
| | 3317 | |
| IBER-OLEFF - COMPONENTES TECNICOS EM PLASTICO, S.A. | 1965 | |
| | 2691 | |
| | 2861 | |
| IMM - Instituto de medicina Molecular | | 5553 |
| INDINOR-INDUSTRIAS QUIMICAS S.A. | 1937 | |
| | 2221 | |
| INOVAMAIS - Servicos de Consultadaria em Inovação Tecnológica, SA | | 5143 |
| Institute Of Mechanical Engineering and Industrial Management | | 4704 |

COMPANIES

| | EUREKA PROJECT NUMBER | EUROSTARS PROJECT NUMBER |
|---|--------------------------|-----------------------------|
| Instituto Agilus de Inovação em Tecnologia de Informação, S.A. | | 4846 |
| Instituto Nacional de Engenharia Biomédica | | 5649 |
| Instituto Nacional de Engenharia,Tecnologia e Inovaçao,LP | | 4704 |
| Instituto Superior Técnico | | 4378 |
| INTEGRIDADE,SERVICOS DE MANUTENCAO E INTEGR. ESTRUTURAL LDA. | 1191 1746 1890 | |
| INTEPLAS | | 2846 |
| INTEPLASTICO - INDUSTRIAS TEC. PLASTICOS S.A. | | 2819 |
| IPODEC PORTUGAL - GESTAO DE RESIDUOS LTDA. | | 2413 |
| ISA - INSTRUMENTACAO E SISTEMAS DE AUTOMACAO, LDA. | | 782 |
| ISA - Intelligent Sensing Anywhere SA | | 4949 5002 |
| J. SERRA RAMOS LDA. | | 4009 |
| JABA FARMACEUTICA S.A. | | 783 |
| JOAO PAULO COSTA PINTO GOMES CRESPO | | 2857 |
| JUNIOR LDA | | 2760 |
| KIWI IBERICA S.A.R.L. | | 1132 1862 |
| LASINDUSTRIA S.A. | | 1164 |
| Logoplaste - Consultores Tecnicos, SA | | 4997 |
| MAGAORANGE - COMERCIO PRODUTOS PECUARIOS, LDA. | | 3749 3908 |
| MANUEL DA CONCEICAO GRACA, LDA. | | 1966 |
| MAQUISIS - MAQUINAS E SISTEMAS AUTOMATICOS S.A. | | 2616 |
| MATESICA - MATERIAIS SINTETICOS PARA CONSTRUCAO S.A. | | 367 |
| MEDIAMONITOR, SOFTWARE E INFORMACAO PARA COMUNICACAO SOCIAL, LDA. | | 2786 |
| MEDIDATA, ENGENHARIA E SERVICOS, S.A. | | 1449 |
| MEGALANDIA - MANUTENCAO E SERVICOS INFORMATICOS S.A. | | 1792 |
| METALECEIA LDA. | | 1995 |
| METALGRUPO SOC.CONSTRUCOES E MONTAGENS METALOMECHANICAS LDA. | | 759 |
| MICRO I/O - SERVICOS DE ELECTRONICA, LDA | | 2301 |
| MIIT - Manutenção Industrial Informatizada e tecnologia, Lda | | 5217 |
| MOLDECAR INDUSTRIA DE MOLDES LDA | | 2620 |
| MONUMENTA - CONS. E RESTAURO DO PATRIMON.ARQUITECTONICO LDA. | | 1992 |
| MOTORAVIA | | 2576 |
| Move Interactive, Produções Multimédia S.A. | | 4378 |

| COMPANIES | EUREKA PROJECT NUMBER | EUROSTARS PROJECT NUMBER |
|---|--------------------------|-----------------------------|
| MT-MANUTENACAO E INTEGRIDADE ESTRUTURAL LDA. | 2317 | |
| MULTICERT - Serviços de Certificação Electrónica S.A. | | 4759 |
| Mundi Globe | 4944 | |
| N.S.P. - NUTRICAO E SERVICOS PECUARIOS, LDA. | 3772 | |
| NAUTILUS - IND E COM MOBILIARIO, SA | 4950 | |
| NECTON - COMPANHIA PORTUGUESA DE CULTURAS MARINHAS S.A. | 2001 | |
| NEOSIS, SISTEMAS E TECNOLOGIAS DE INFORMACAO S.A. | 1988 | |
| NEOVIDRO INDUSTRIA E TECNOLOGIA DO VIDRO, S.A. | 1844 | |
| NEWVISION - SISTEMAS INTELIGENES PARA SOLUCOES DE ATENDIMENTO, LDA. | 3193 | |
| NOVABASE - SISTEMAS DE INFORMACAO S.A. | 993 | |
| | 1135 | |
| NUTASA - NUTRIGO ANIMAL E PRODUCTOS PARA A PECUARIA S.A. | 1554 | |
| OESNOR - PRODUCAO AQUICOLA S.A. | 1981 | |
| OGMA - INDUSTRIA AERONAUTICA DE PORTUGAL | 1860 | |
| | 1966 | |
| ORM, TECNOLOGIA E CIENCIA NA INDUSTRIA LDA. | 1165 | |
| OZ-DIAGN.,LEVANTAM.E CONTR.DE QUALEM ESTRUTURAS E FUND.LDA. | 1992 | |
| PALBIT MINAS E METALURGICA | 3367 | |
| PANRICO-PRODUTOS ALIMENTARES LTDA. | 2413 | |
| PARADIGMAXIS - ARQUITECTURA A ENGENHARIA DE SOFTWARE S.A. | 2235 | |
| | 3880 | |
| PERIPLAST LDA. | 5412 | |
| PESCAGEST - PRODUCAO E GESTAO S.A. | 1981 | |
| PETROLEOS DE PORTUGAL - PETROGAL S.A. (LISBOA) | 1191 | |
| PLANAD INTERNACIONAL | 2231 | |
| PLANSEL - VIVEIROS JORGE BOEHM LDA. | 1845 | |
| | 2284 | |
| PORTMAR AGENCIA DE NAVEGACAO LDA. | 1792 | |
| Portugal Telecom Inovaçao | | 4862 |
| PORTUMAGA | 2916 | |
| Priberam Informática, S.A. | | 4276 |
| PRODERMA | 2141 | |
| Profimetrics Software Solutions SA | | 5532 |
| PRONEFRO PRODUCTOS NEFROLOGICOS S.A. | 1950 | |
| | 2664 | |
| PROTER LDA. | 90 | |
| Pulsoft - Consultadaria Informatica, Lda | | 5047 |

| COMPANIES | EUREKA PROJECT NUMBER | EUROSTARS PROJECT NUMBER |
|---|--------------------------|-----------------------------|
| QUIMITECNICA. COM-COMERCIO E INDUSTRIA QUIMICA, S.A. | 4035 | |
| | 5764 | |
| RAR - REFINARIAS DE ACUCAR REUNIDAS S.A. | 820 | |
| | 1974 | |
| RASAO | 2141 | |
| Reverse Engineering, Sistemas de Metrologia e Multimedia, Lda | | 5547 |
| RICARDO TEIXEIRA E VITOR FONSECA, ARQUEOLOGIA LDA | 3483 | |
| RINAVE - REGISTRO INTERNACIONAL NAVAL S.A. | 3483 | |
| S.S.L. EQUIPAMENTOS INDUSTRIALIS LDA. | 1850 | |
| SALUDAES - PRODUTOS ALIMENTARES S.A. | 2164 | |
| SANAMAR - COMERCIO, IMPORT.E EXPORT. DE PRODUTOS ALIMENTARES | 3747 | |
| SCHERING LUSITANA | 2315 | |
| SERRALHARIA MECANICA LDA. (SEMECA) | 2705 | |
| | 1165 | |
| | 1764 | |
| | 1965 | |
| SETSA - SOC. DE ENGENHARIA E TRANSF. S.A. (IBEROMOLDES) | 1977 | |
| | 2691 | |
| | 4519 | |
| SIDEREUS - SISTEMAS DE INFORMACAO E CONSULTORIA INFORM. LDA. | 2235 | |
| SIEMENS S.A. | 1921 | |
| SIKA - INDUSTRIA QUIMICA S.A. (PORTO) | 367 | |
| Simbiante - Environmental Engineering and Management, Ltd. | 5031 | |
| Simbiotec LDA | | 4366 |
| | | 4789 |
| SISTEMA DE INTERCAMBIO TURISTICO LDA. | 1943 | |
| SOCIEDADE AGRO PECUARIA DE VALE HENRIQUES, S.A. | 3427 | |
| | 4925 | |
| SOCIEDADE DE INNOVACAO AMBIENTAL LDA. (SIA) | 2497 | |
| SOCIEDADE EUROPEIA DE ARROZ - SEAR, S.A. | 3747 | |
| SOFTI9 INOVACAO INFORMATICA, LDA | 3288 | |
| Solar Plus, Producao de Painéis Solares S.A. | 4937 | |
| Soluções Racionais de Energia, SA | | 4704 |
| SOMEPAL - SOCIEDADE METALURGICA DA PAMPILHOSA LDA. | 39 | |
| SORGAL, SOCIEDADE DE OLEOS E RACOES S.A. | 5021 | |
| SOVENA Group - S.G.P.S., S.A. | 4997 | |
| Specalta Lda - Produtos Sustentaveis, Lda. | 5465 | |

COMPANIES

| | EUREKA PROJECT NUMBER | EUROSTARS PROJECT NUMBER |
|--|--------------------------|-----------------------------|
| Speculum, Artigos Médicos S.A. | | 5649 |
| SRAMPORT, Transmissoes Mecanicas, Lda | 5370 | |
| STAP - REPARACAO, CONSOLIDACAO E MODIFICACAO DE ESTRUT. LDA. | 1939 | |
| | 1992 | |
| SUBERCOR | 1864 | |
| Take the Wind | 4949 | |
| TAP AIR PORTUGAL - DIRECCAO COMERCIAL | 325 | |
| Technical University of Lisbon/ Instituto Superior de Agronomia | | 4906 |
| TechnoPhage, S.A., Investigação e Desenvolvimento em Biotecnologia | | 5553 |
| TECMIC - Tecnologias de Microelectronica, S.A. | 4519 | |
| TECNIDATA, SERVICOS E EQUIPAMENTOS DE INFORMATICA S.A. | 2429 | |
| TECNIMOPLAS | 2073 | |
| TECNITROM | 1585 | |
| TEKEVER, S.A. | | 4272 |
| TERMOLAB, FORNOS ELECTRICOS, LDA. | 1913 | |
| TEXTIL MANUEL GONCALVES (TECHNICAL FABRICS) | 1989 | |
| | 1990 | |
| TINTROFA - TINTURARIA DA TROFA S.A. | 2051 | |
| TITURARIA E ACABAMENTOS VALE DE TABUAS LDA. | 2054 | |
| TORMECA | 1504 | |
| TRANSFORMACOES AGRARIAS, S.A. (TRAPSA) | 2301 | |
| TUB - EMPRESA DE TRANSPORTES URBANOS DE BRAGA - E.M. | 2524 | |
| VE - Fabricacao de Veiculos de Traccao Electrica | 4459 | |
| VISUAL FORMA - FORMACAO E PROGRAMACAO EM NOVAS TECNOLOGIAS, LDA. | 3628 | |
| VIVEIROS CENTRAIS RIBA-DOURO, SOC. AGR. LDA. | 2689 | |
| VULCANO TERMO-DOMESTICOS S.A. | 2491 | |
| VULCAPOR - COMPANHIA PORTUGUESA DE EQUIPAMENTOS INDUSTRIALIS | 1863 | |
| W. S. ATKINS PORTUGAL, CONSULTORES E PROJ. INTERNACION. LDA. | 1920 | |
| WACKER QUIMICA PORTUGESA S.A. | 367 | |
| Wavecom - soluções rádio | | 4273 |

| R&D BODIES | EUREKA PROJECT NUMBER | EUROSTARS PROJECT NUMBER |
|---|--------------------------|-----------------------------|
| ADITEC-ASSOCIACAO PARA O DESENVOLVIMENTO E INN. TECNOLOGICA | 2140 | |
| AGILTEC-ENGINEERING & TECHNOL.FOR AGILE & ECO-EFFICIENT MFG. | 2022 | |
| ASSOCIAÇÃO DESENVOLVIMENTO DAS TELECOM. E TEC.DE INFORMATICA | 1792 | |
| | 2073 | |
| Associação dos Produtores Agrícolas da Sobreda | | 4814 |
| BRAGANCA UNIVERSITY | 2857 | |
| | 1965 | |
| | 1977 | |
| CEN.TECN. DA INDUSTRIA DE MOLDES E FERRAMENTAS ESP. E PLAST. (CENTIMFE) | 2022 | |
| | 2691 | |
| | 2846 | |
| | 2861 | |
| CENTRO DE APOIO TECNOLOGICO A INDUSTRIA METALOMECANICA | 2846 | |
| CENTRO DE ESTUDOS DE ENGENHARIA RURAL - U.TECNICA DE LISBOA | 2301 | |
| Centro de Matematica e Aplicacoes - CEMAT | | |
| Instituto Superior Tecnico (IST) | 4990 | |
| CENTRO DE OFTALMOLOGIA | 783 | |
| CENTRO DE TECNOLOGIA QUIMICA E BIOLOGICA | 1121 | |
| | 1697 | |
| CENTRO PLURIDISCIPLINAR DE PATOLOGIA DO SONO (CPPS) | 782 | |
| CENTRO TECHN. DAS INDUSTRIAS TEXTEIS E DO VESTUARIO DE PORT. (Technological Centre for Textile and Clothing) | 2051 | |
| | 2054 | |
| CTIC - CENTRO TECNOLOGICO DAS INDUSTRIAS DO COURO | 2140 | |
| CURTUMES GAMA, S.A. | 2141 | |
| Departamento de Quimica, Faculdade de Ciências e Technologia, Universidade Nova de Lisboa | | 4816 |
| Department of Dermatology and Venereology, Faculty of Medicine, University of Porto | | 4846 |
| Dept of Radiation Protection and Nuclear Safety Nuclear and Technological Institute | 367 | |
| Dept of Radiation Protection and Nuclear Safety Nuclear and Technological Institute | 781 | |
| ESCOLA SUPERIOR AGRARIA DE PONTE DE LIMA - ESAPL | 1862 | |
| ESCOLA SUPERIOR AGRARIA DE SANTAREM (ESAS) | 2284 | |
| ESCOLA SUPERIOR AGRARIO DE BRAGANCA | 1845 | |
| ESCOLA SUPERIOR DE TECNOLOGIA E GESTAO DE PORTALEGRE INSTITUTO POLITECNICO DE PORTALEGRE | 3858 | |
| ESCOLA SUPERIOR DE TECNOLOGIA E GESTAO | 1988 | |
| ESTACAO AGRONOMICA NACIONAL | 2284 | |
| ESTACAO ZOOTECNICA DE FONTEBOA | 2916 | |

| R&D BODIES | EUREKA PROJECT NUMBER | EUROSTARS PROJECT NUMBER |
|---|---|-----------------------------|
| FACULTADE MEDICINA VETERINARIA / UNIVERSIDADE TECNICA DE LISBOA | 3427 | |
| FCCN - NATIONAL FOUNDATION FOR SCIENTIFIC COMPUTATION | 1061 | |
| FCT-UC / FACULTADE DE CIENCIAS E TECNOLOGIA UNIVERSIDADE DE COIMBRA | 3792 5016 5370 | |
| FCT-UNL-CENIMAT | 4937 | |
| Fundação da Universidade do Porto - Faculdade de Engenharia | | 5553 |
| HOSPITAL DE SAO FRANCISCO XAVIER | 993 | |
| ICETA-INST.DE CIENCIAS E TECNOL.AGRARIAS E AGRO-ALIMENTARES | 2282 | |
| ICTPOL NUCLEO HOEPOR | 1180 | |
| IDAD - INSTITUTO DO AMBIENTE E DESENVOLVIMENTO/ENVIRONMENT | 1920 | |
| IDMEC - INSTITUTO DE ENGENHARIA MECANICA | 2328 | |
| ICT - CENTRO DA CRISTOFOGRAFIA E MINERALOGIA (CCM) | 367 | |
| INSTITUTO DE INVESTIGACAO CIENTIFICA TROPICAL | | |
| ICT - INSTITUTO DE INVESTIGACAO CIENTIFICA TROPICAL (TROPICAL RESEARCH INSTITUTE OF PORTUGAL) | 3747 | |
| INESC INOVACAO, INSTITUTO DE NOVAS TECNOLOGIAS | 3142 4519 | |
| INESC-INST. DE ENGENHARIA DE SISTEMAS E COMPUTADORES (PORTO) | 993 1864 1733 1764 2846 2861 | |
| INETI (LISBOA) INSTITUTO NACIONAL DE ENGENHARIA E TECNOLOGIA INDUSTRIAL | | |
| INETI-DEP.TEC. DAS IND. ALIMENTARES/UNIDADE DE MICROB.ALIM. INSTITUTO NACIONAL DE ENGENHARIA E TECNOLOGIA INDUSTRIAL | 998 | |
| INIA - INSTITUTO NACIONAL DE INVESTIGACAO AGRARIA | 1975 | |
| INIA/ESTACAO ZOOTECNICA NACIONAL INSTITUTO NACIONAL DE INVESTIGACION AGRARIA | 1362 2429 1981 | |
| INST.DE SCIENCIAS BIOMEDICAS ABEL SALZAR, DEP. PRODUCAO AQ. | 1993 2315 | |
| Institute Of Mechanical Engineering and Industrial Management | | 4704 |
| INSTITUTO DE BIOLOGIA EXPERIMENTAL E TECNOLOGIA | 1121 1136 1243 | |
| INSTITUTO DE BIOLOGIA EXPERIMENTAL E TECNOLOGIA | 1697 1948 | |

R&D BODIES

| | EUREKA PROJECT NUMBER | EUROSTARS PROJECT NUMBER |
|--|--------------------------|-----------------------------|
| INSTITUTO DE BIOLOGIA EXPERIMENTAL E TECNOLOGIA | 2429 | |
| | 2705 | |
| | 4521 | |
| | 4533 | |
| | 4947 | |
| | 4997 | |
| INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES (AVEIRO) | 1449 | |
| | 151 | |
| INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES (LISBOA) | 379 | |
| | 625 | |
| | 1135 | |
| INSTITUTO DE ENGENHARIA MECANICA E GESTAO INDUSTRIAL (PORTO) | 269 | |
| INSTITUTO DE ENGENHARIA MECANICA E GESTAO INDUSTRIAL(MAMEDE) | 1913 | |
| INSTITUTO DE LINGUISTICA TEORICA E COMPUTACIONAL | 524 | |
| | 676 | |
| | 731 | |
| | 194 | |
| | 265 | |
| | 759 | |
| | 1074 | |
| | 1164 | |
| | 1191 | |
| INSTITUTO DE SOLDATURA E QUALIDADE INVESTIGACAO E DESENVOLVIMENTO/DIVISAO ENGENHARIA SISTEMAS | 1299 | |
| | 1445 | |
| | 1486 | |
| | 1504 | |
| | 1746 | |
| | 1890 | |
| | 2317 | |
| Instituto Nacional de Engenharia Biomédica | | 5649 |
| Instituto Nacional de Engenharia e Sistemas de Computadores do Porto | | 5031 |
| INSTITUTO NACIONAL DE METEOROLOGIA E GEOFISICA | | 7 |
| INSTITUTO PEDRO NUNES - ASSOCIACAO PARA A INOVACAO E DESENVOLVIMENTO EM CIENCIA E TECNOLOGIA | | 1976 |
| INSTITUTO PEDRO NUNES - ASSOCIACAO PARA A INOVACAO E DESENVOLVIMENTO EM CIENCIA E TECNOLOGIA | | 3792 |
| Instituto Superior Técnico | | 4378 |
| Instituto Superior Tecnico / DEQB - IBB/Polymers | | 5465 |

| R&D BODIES | EUREKA PROJECT NUMBER | EUROSTARS PROJECT NUMBER |
|--|--------------------------|-----------------------------|
| Instituto Superior Tecnico / Universidade Técnica de Lisboa (UTL) | 5016 | |
| INSTITUTO SUPERIOR TECNICO/DEPARTAMENTO DE FISICA | 1995 | |
| INSTITUTO SUPERIOR TECNICO/SHEET METAL FORMING DEPARTMENT | 1966 | |
| IRC - INSTITUTO BENTA DA ROCHA CABRAL/FACULDADE DE CIENCIAS | 367 | |
| | 1975 | |
| ISA - INSTITUTO SUPERIOR DE AGRONOMIA / UNIVERSIDADE TÉCNICA DE LISBOA | 2282 | |
| | 4944 | |
| ISEL-Instituto Superior de Engenharia de Lisboa | 4459 | |
| | 3325 | |
| ISQ - INSTITUTO DE SOLDADURA E QUALIDADE | 4554 | |
| | 4555 | |
| ISQ Internacional | 4554 | |
| | 4555 | |
| ISR - INSTITUTE FOR SYSTEMS AND ROBOTICS % FACULDADE DE CIENCIAS E TECNOLOGIA DA UNIVERSIDADE DE COIMBRA | 3440 | |
| | 1991 | |
| ISR - INSTITUTE FOR SYSTEMS AND ROBOTICS | 1993 | |
| | 429 | |
| | 643 | |
| | 717 | |
| IST - CEMUL - LASER MATERIALS PROCESSING LABORATORY INSTITUTO SUPERIOR TECNICO/UNIVERSIDADE TÉCNICA DE LISBOA | 579 | |
| | 292 | |
| | 1893 | |
| | 1981 | |
| IST/DEPARTMENT OF ELECTRICAL ENGINEERING & COMPUTER SCIENCE INSTITUTO SUPERIOR TECNICO | 1850 | |
| IST/INSTITUTE OF MATERIALS PRODUCTION TECHNOLOGIES (IMP) INSTITUTO SUPERIOR TECNICO | 1965 | |
| ISTITUTO SUPERIOR TECNICO/ADMINISTRATIVE AFFAIRS | 1844 | |
| | 8 | |
| LABORATORIO NACIONAL DE ENGENHARIA CIVIL | 316 | |
| | 367 | |
| | 1992 | |
| LABORATORY OF PLANT BIOTECHNOLOGY (LPB-ICAT) | 1845 | |
| LABORATORY OF PLANT BIOTECHNOLOGY (LPB-ICAT) | 1870 | |
| LNEG | 4521 | |
| PIEP ASSOCIACAO - POLO DE INOVACAO EM ENGENHARIA DE POLIMEROS | 2819 | |
| | 4519 | |

| R&D BODIES | EUREKA PROJECT NUMBER | EUROSTARS PROJECT NUMBER |
|--|--------------------------|-----------------------------|
| POLO UNIV. DO ALTO AJUDA/FACULDADE DE MEDICINA VETERINARIA SECCAO DE FARMACOLOGIA E TOXICOLOGIA | 2429 | |
| REQUIMTE, Universidade Nova de Lisboa | | |
| Faculdade Ciencia e Tecnologia | 4555 | |
| Technical University of Lisbon/ Instituto Superior de Agronomia | | 4906 |
| | 2210 | |
| TECMINHO - ASSOCIACAO UNIVERSIDADE-EMPRESA PARA O DESENVOLV. | 2616 | |
| | 2719 | |
| | 39 | |
| | 90 | |
| UC - DEPARTAMENTO DE FISICA / CENTRO DE INSTRUMENTACAO / UNIVERSIDADE DE COIMBRA | 782 | |
| | 783 | |
| | 1994 | |
| UC - FACULTAD DE FARMACIA / UNIVERSIDADE DE COIMBRA | 1555 | |
| UC - SERVICO DE BIOFISICA / FACULDADE DE MEDICINA / UNIVERSIDADE DE COIMBRA | 781 | |
| ULI - FACULDADE DE FARMACIA / UNIVERSIDADE DE LISBOA | 594 | |
| | 998 | |
| UNIVERSIDADE CATOLICA PORT./ESCOLA SUPERIOR DE BIOTECNOLOGIA DA UCP | 3531 | |
| | 4950 | |
| Universidade de Aveiro | 4506 | |
| | 4982 | |
| UNIVERSIDADE DE AVEIRO - DEPT. ENGENH. CERAMICA E DO VIDRO | 1913 | |
| UNIVERSIDADE DE AVEIRO - GEMAC/DEPARTMENT OF ENVIRONMENT AND PLANNING | 3266 | |
| UNIVERSIDADE DE AVEIRO/DEPT. DE AMBIENTE E ORDENAMENTO | 7 | |
| | 1489 | |
| UNIVERSIDADE DE COIMBRA/FACULTADE DE CIENCIAS E TECNOLOGIA | 1921 | |
| | 1966 | |
| UNIVERSIDADE DE EVORA/BUSINESS ADMINISTRATION | 1362 | |
| UNIVERSIDADE DE EVORA/DEPARTAMENTO DE FISICA | 367 | |
| UNIVERSIDADE DE EVORA/REPRODUCTION AND OBSTETRICS | 1829 | |
| | 1988 | |
| UNIVERSIDADE DE PORTO/FACULDADE DE ENGENHARIA | 1991 | |
| | 1993 | |
| | 5016 | |
| UNIVERSIDADE DO ALGARVE/DEPARTAMENTO DE FITAPATOLOGIA | 2284 | |
| Universidade do Minho | 4177 | |
| UNIVERSIDADE DO MINHO/Centre of Biological Engineering | 4493 | |

| R&D BODIES | EUREKA PROJECT NUMBER | EUROSTARS PROJECT NUMBER |
|--|--------------------------|-----------------------------|
| UNIVERSIDADE DO MINHO/DEPARTAMENTO DE ENGENHARIA TEXTIL | 1937 | |
| | 1989 | |
| | 1990 | |
| UNIVERSIDADE DO MINHO/DEPARTAMENTO DE INFORMATICA | 8 | |
| | 2235 | |
| | 1965 | |
| UNIVERSIDADE DO MINHO/DEPARTAMENTO DE POLIMEROS (UM-DEP) | 2691 | |
| | 2861 | |
| UNIVERSIDADE DO MINHO/DEPARTMENT OF CHEMISTRY | 1923 | |
| UNIVERSIDADE DO MINHO/DEPT. ENG. MECANICA | 2616 | |
| UNIVERSITY OF AZORES/MARINE ENVIRONMENT & TECHNOLOGY LAB. | 1850 | |
| University of Porto | 4982 | |
| UNL - FACULDADE DE CIENCIAS E TECNOLOGIA (FCT) / UNIVERSIDADE NOVA DE LISBOA | 1121 | |
| UTAD - University of Tras-os-Montes e Alto Douro / Analytical Chemistry Department | 5021 | |

| OTHER | EUREKA PROJECT NUMBER | EUROSTARS PROJECT NUMBER |
|---|----------------------------------|-------------------------------------|
| ADI - AGENCIA DE INOVACAO | 1061 | |
| AIDA (ASSN.INTERPROFESS. P.O.DESENVOLV. DA PROD. E VAL DE ALFAR) | 593 | |
| AIDA (ASSN.INTERPROFESS. P.O.DESENVOLV. DA PROD. E VAL DE ALFAR) | 594 | |
| ASSOCIACAO DOS CRIADORES E REPRODUTORES DE GADO DO OESTE - ACRO | 2916 | |
| Associação Portuguesa de Doentes de Parkinson | | 5143 |
| CAMERA DE CASCAIS | 606 | |
| CEIIA - Centro para a Excelencia e Inovacao na Industria Automove | 4564 | |
| CENASEF - DIRECCAO GERAL DAS FLORESTAS | 1845 | |
| DRAEDM - DIR. REG. DE AGRICULTURA DE ENTRO DOURO E MINHO ESTACO REG.DE CULTURAS ARVENSES E DIV. DE PRODUCAO AGRICOLA | 2282 | |
| ESTACAO FLORESTAL NACIONAL | 1180 | |
| Fundacao da Faculdade de Ciencias da Universidade de Lisboa | | 4336 4426 |
| HOSPITAL DE NOVA DE GAIA | 1449 | |
| IDARN -INST. PARA O DESENVOLVIMENTO AGRARIO DA REGIAO NORTE | 2282 | |
| IMM - Instituto de medicina Molecular | | 5553 |
| INST.DE DESENVOLVIMENTO E INOVACAO TECNOLOG.DO MINHO (IDITE) | 1989 1990 | |
| INST.PORT.DO PATRIMONIO CULT./ARQUITECTONICO E ARQUEOLOGICO | 367 | |
| INSTITUTO DE NOVAS TECNOLOGIAS | 1893 | |
| Instituto Nacional de Engenharia,Tecnologia e Inovaçao,LP | | 4704 |
| MINISTERIO DA SAUDE - DIRECCAO GERAL DOS HOSPITAIS | 993 | |
| MUSEU MONOGRAFICO DE CONIMBRIGA | 396 | |
| REGIAO DE TURISMO DO VERDE MINHO | 2524 | |
| REGIAO SAUDE DE LISBOA E VALE TEJO | 993 | |
| SUB-REGIAO DE SAUDE DE LISBOA | 993 | |
| SUB-REGIAO DE SAUDE DE SANTAREM | 993 | |
| SUB-REGIAO DE SAUDE DE SETUBAL | 993 | |
| SUCH | 4521 | |
| UNTA DE AGRICULTORES DO LUCEFECIT | 2301 | |

ENTIDADES PORTUGUESAS QUE PARTICIPARAM EM PROJECTOS EUREKA | LIST OF PORTUGUESE ENTITIES THAT TOOK PART IN EUREKA PROJECTS

O impacto dos RESULTADOS da I&D na competitividade da economia depende da sua internacionalização. O EUREKA foi um instrumento usado, por muitas empresas inovadoras, para tecerem redes de alianças, que lhes permitiram beneficiarem de outros recursos, criarem oportunidades de especialização, acederem com produtos diferenciados a mercados alargados, valorizarem os seus produtos e a sua própria imagem internacional. E com isso contribuíram para melhorar a imagem internacional do país.

**Lisboa**

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