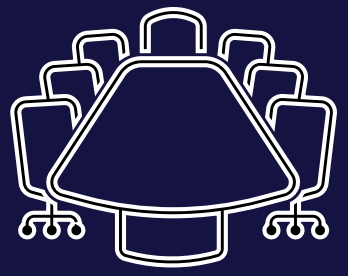
Infoday nacional dedicado aos Concursos de 2027 do Horizonte Europa:

Cluster 5 (Clima, Energia e Mobilidade)
‘Clean Industrial Deal’ | ‘Bridging Actions’



21 de outubro | 14h – 17h
Auditório ANI, Lisboa

Agenda



14:00	Boas-vindas e Enquadramento AI²
14:05	Onde Portugal ganha e perde no Cluster 5: Principais participantes Flávio Soares, AI²
14:15	Concursos Cluster 5 2027: Clima e Soluções Transversais (Destinations 1 e 2) Flávio Soares, AI²
14:30	Concursos Cluster 5 2027: Energia (Destinations 3 e 4) Cristiana Leandro, AI²
14:45	Concursos Cluster 5 2027: Mobilidade (Destinations 5 e 6) Juan Henriques, AI²
15:00	Concursos Horizontais 2027: 'Clean Industrial Deal' & 'Bridging Actions' Cristiana Leandro, AI²
15:15	From opportunity to a competitive proposal Practical lessons from supporting Horizon Europe applications Mafalda Pinto Basto, Fciências.ID
15:35	Coffee-break
16:00	Sessão de Matchmaking
17:00	Encerramento



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Boas-vindas e Enquadramento

AI²



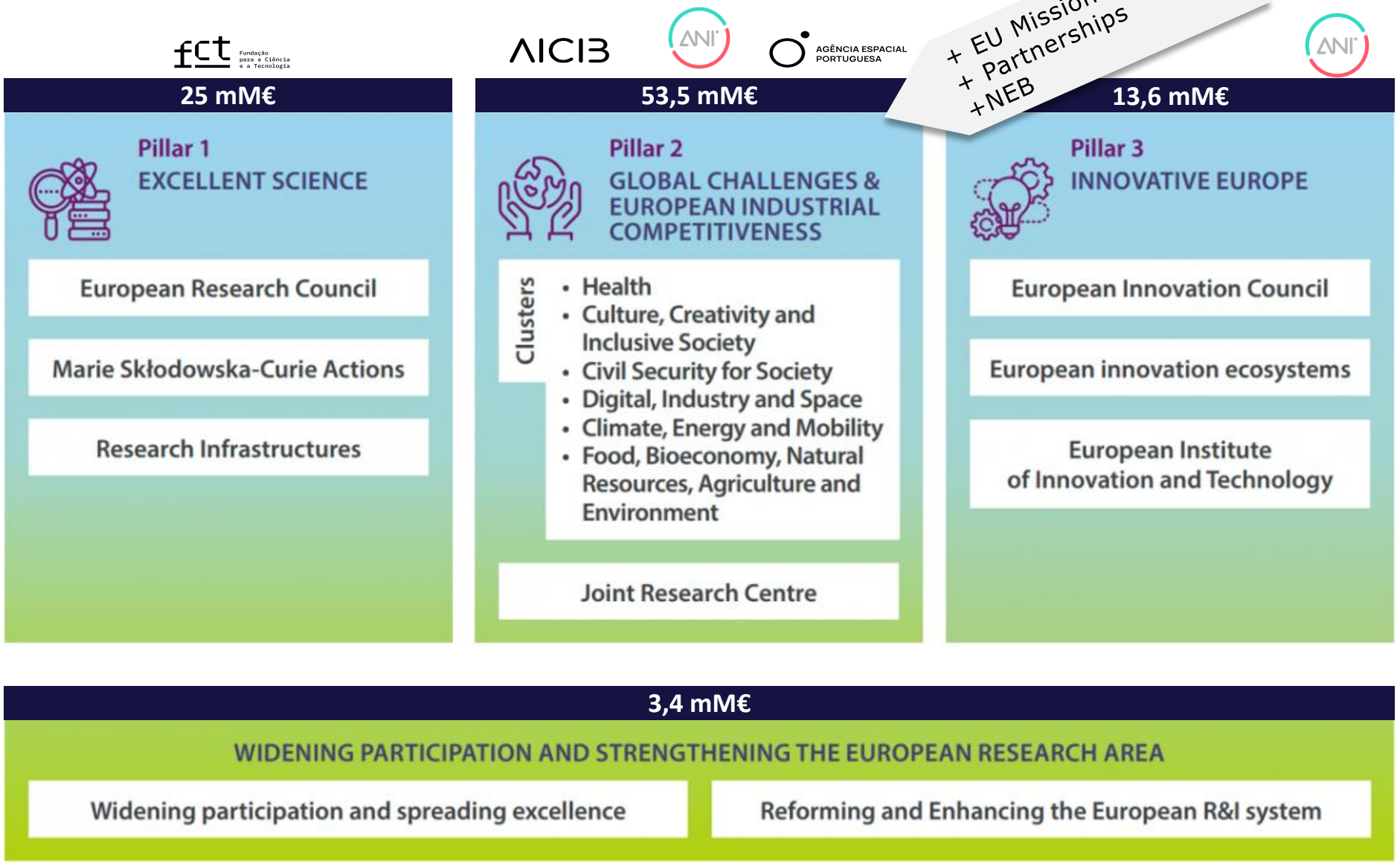
Infoday nacional dedicado aos
Concursos de 2027 do Horizonte Europa

Onde Portugal ganha e perde no Cluster 5: Principais participantes

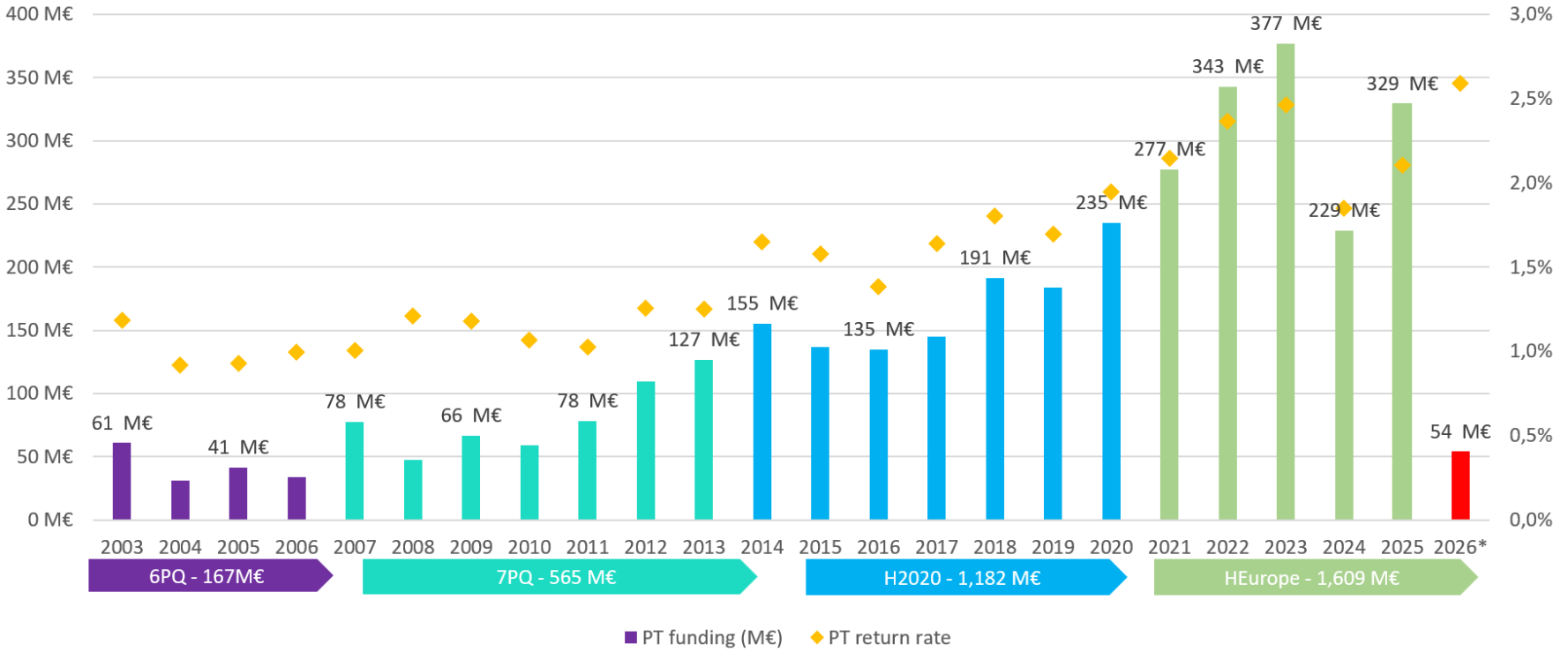
Flávio Soares, AI²



Horizon Europe 2021-2027



Evolution of Portuguese participation



1609 M€

PT funding – 14th place
2715 Projects
2.22% return rate

15.3%

PT Proposals success rate

EU 14.9 %

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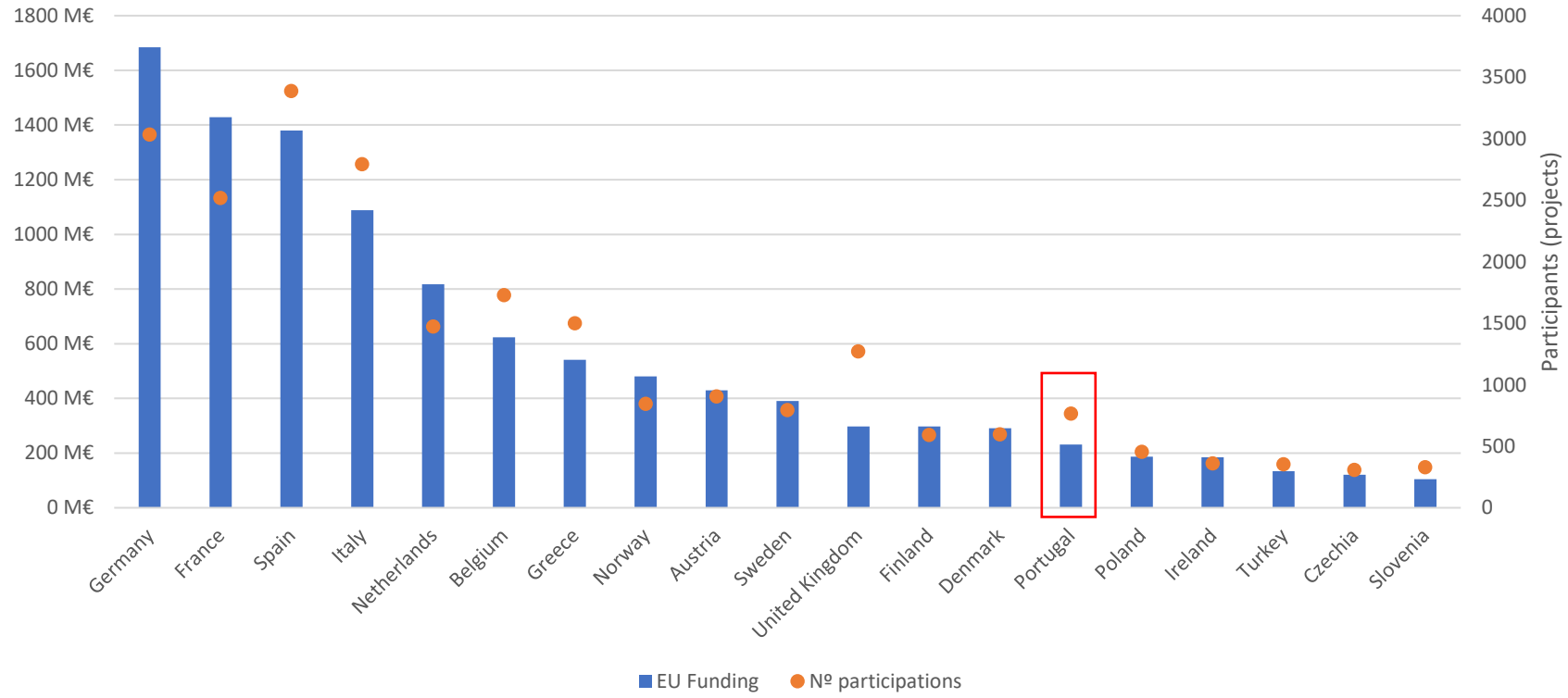
Cluster 5 - Climate, Energy and Mobility

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Participants Cluster 5

EU Member States & AC



231 M€

PT funding – 14th place

376 Projects

2.00% return rate

15.9%

PT Proposals success rate

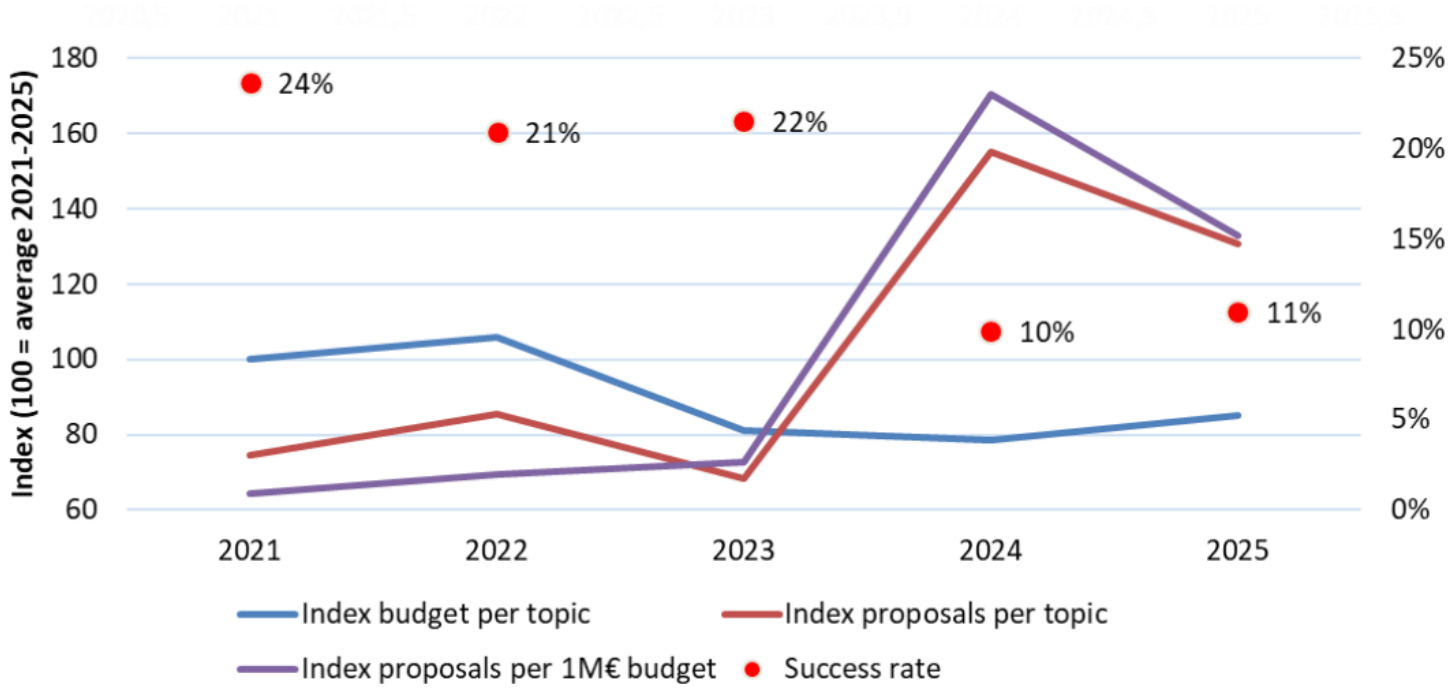
EU 16.2 %

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*Including JU & Missions

Shift in the status quo (Cluster 5)

Since 2024, twice as many proposals for every 1M€

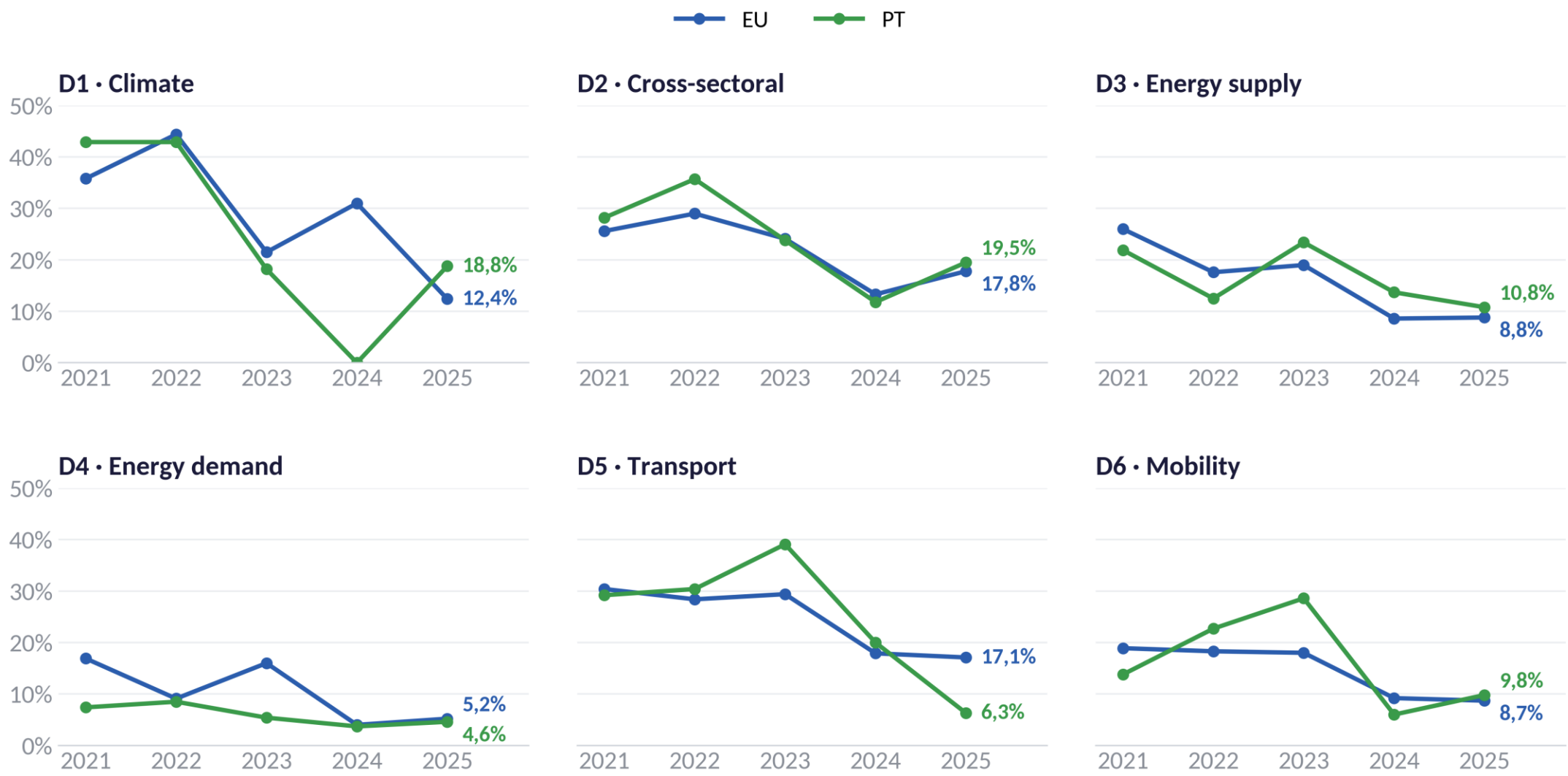


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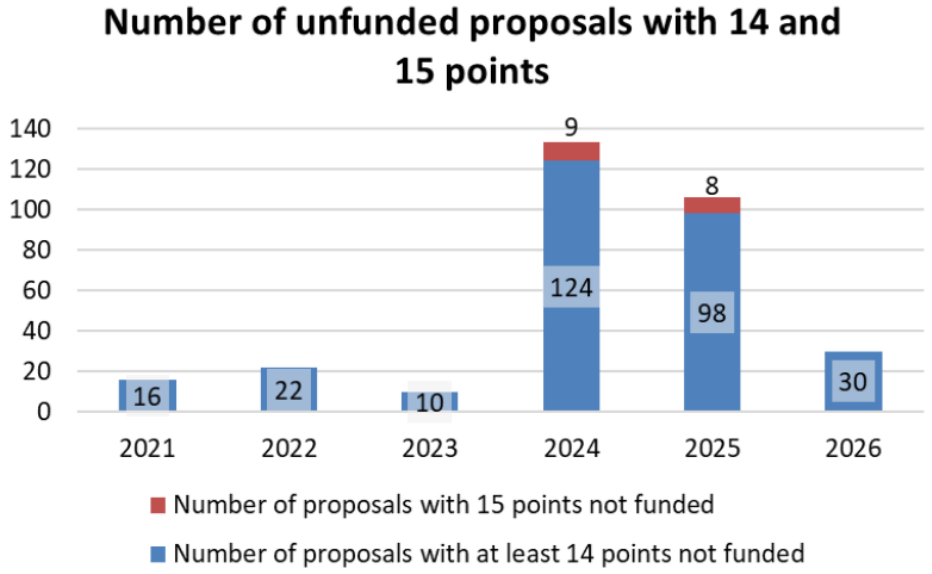
Source: EC

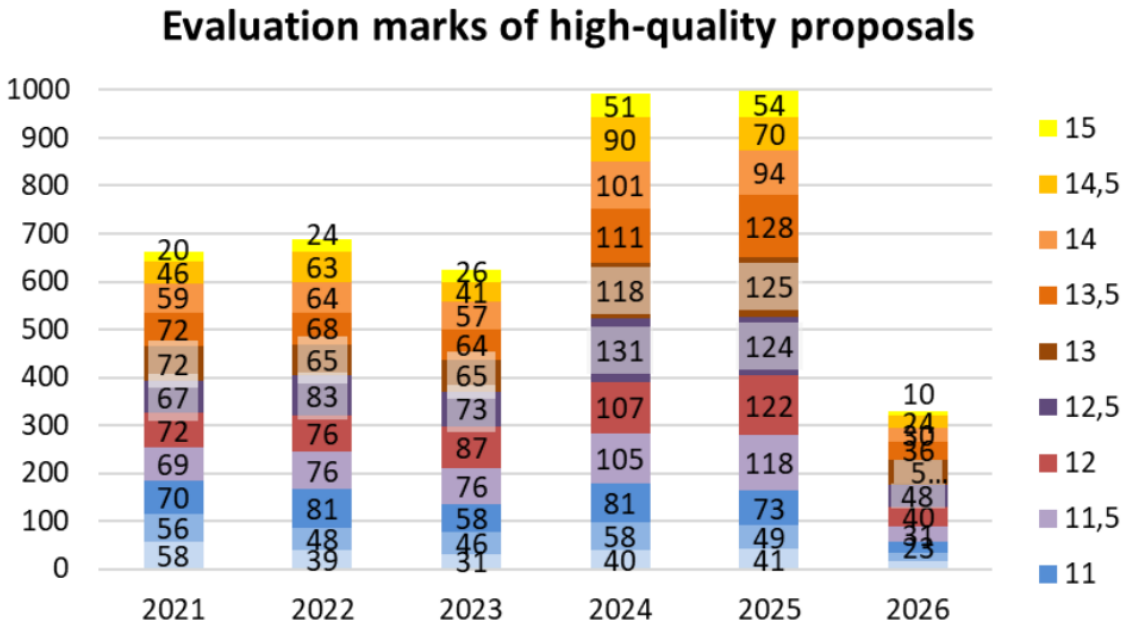
Success rate | Portugal vs EU

Portugal keeps pace with the EU, except in D4 and D5



Unfunded Proposals and Evaluation marks

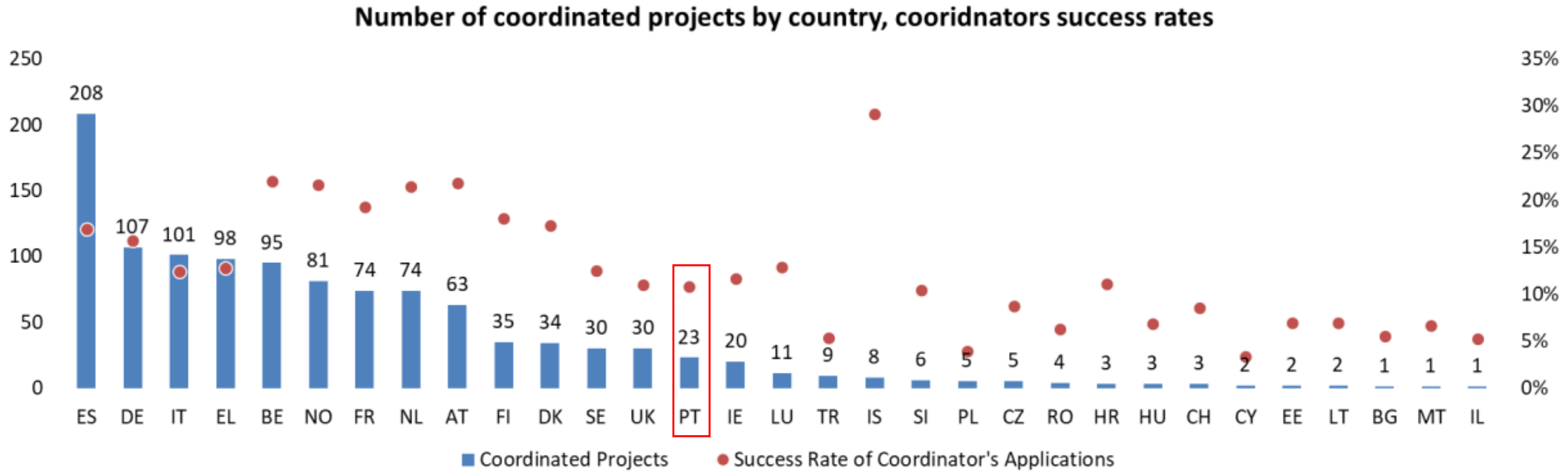




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Source: EC

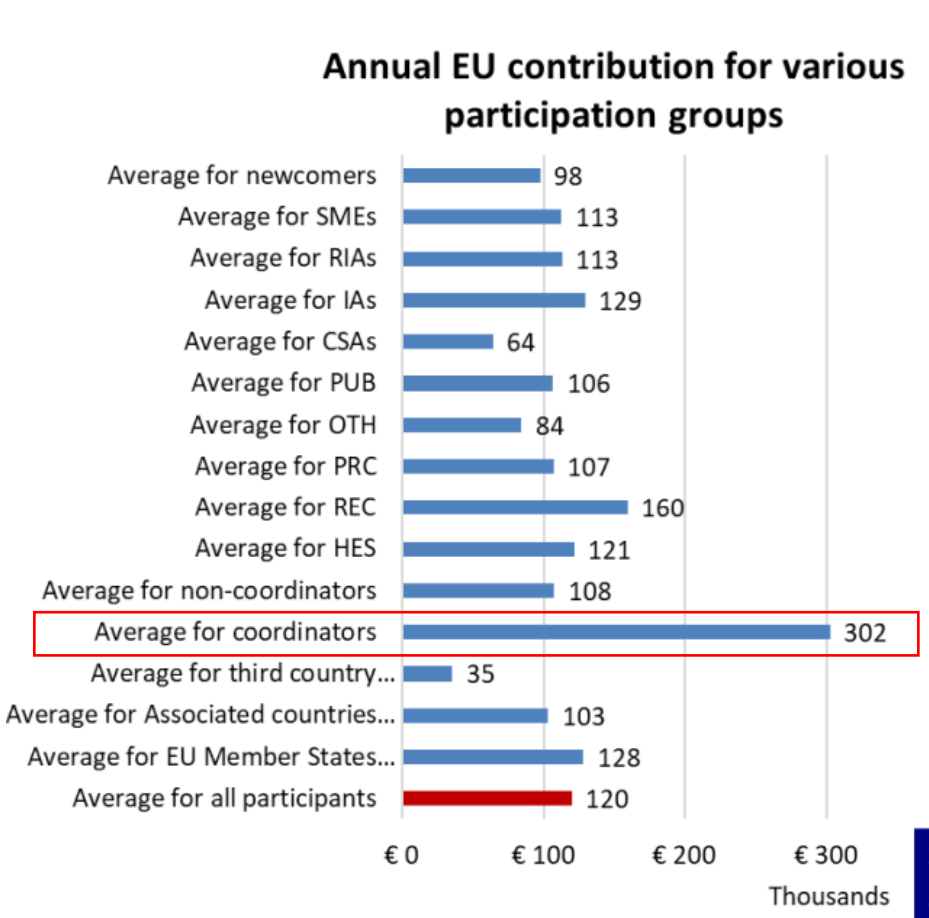
Portugal participates, but rarely coordinates

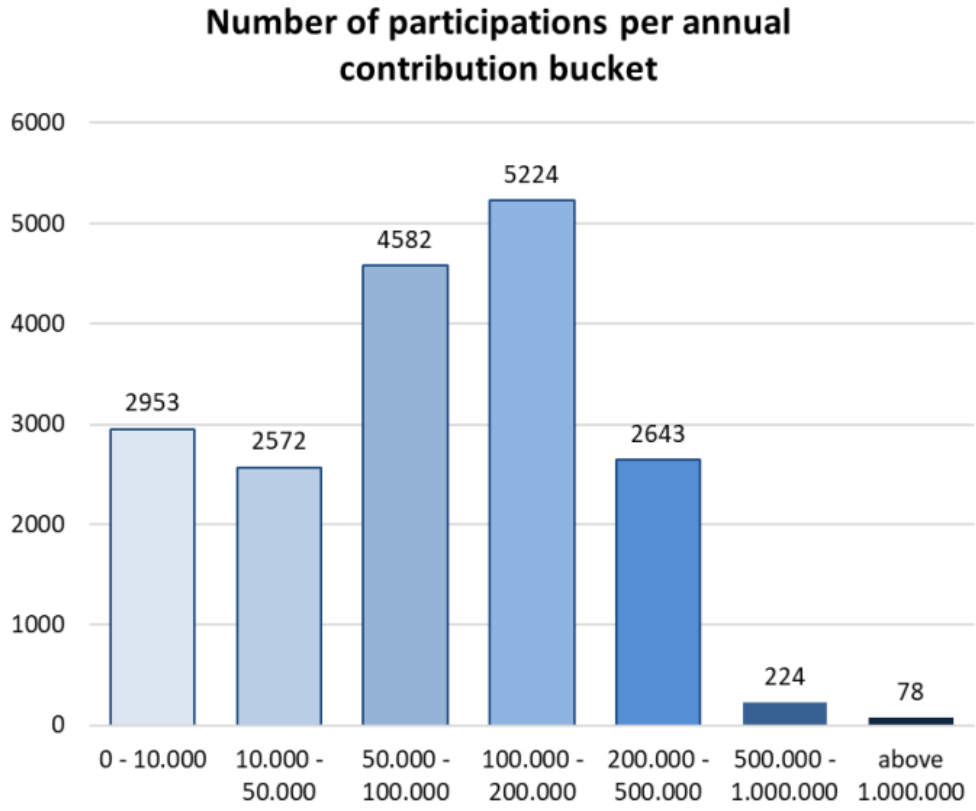


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Source: EC

Annual EU contribution (Cluster 5)





30% of participations stay below 50.000€ per year
55% of participations stay below 100.000€ per year
16% of participations are above 200.000€ per year

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HES: Higher or Secondary Education Establishments; REC: Research Organisation; PRC: Private for-profit entities (excluding HES); PUB: Public bodies (excluding REC and HES); OTH: Other

Source: EC

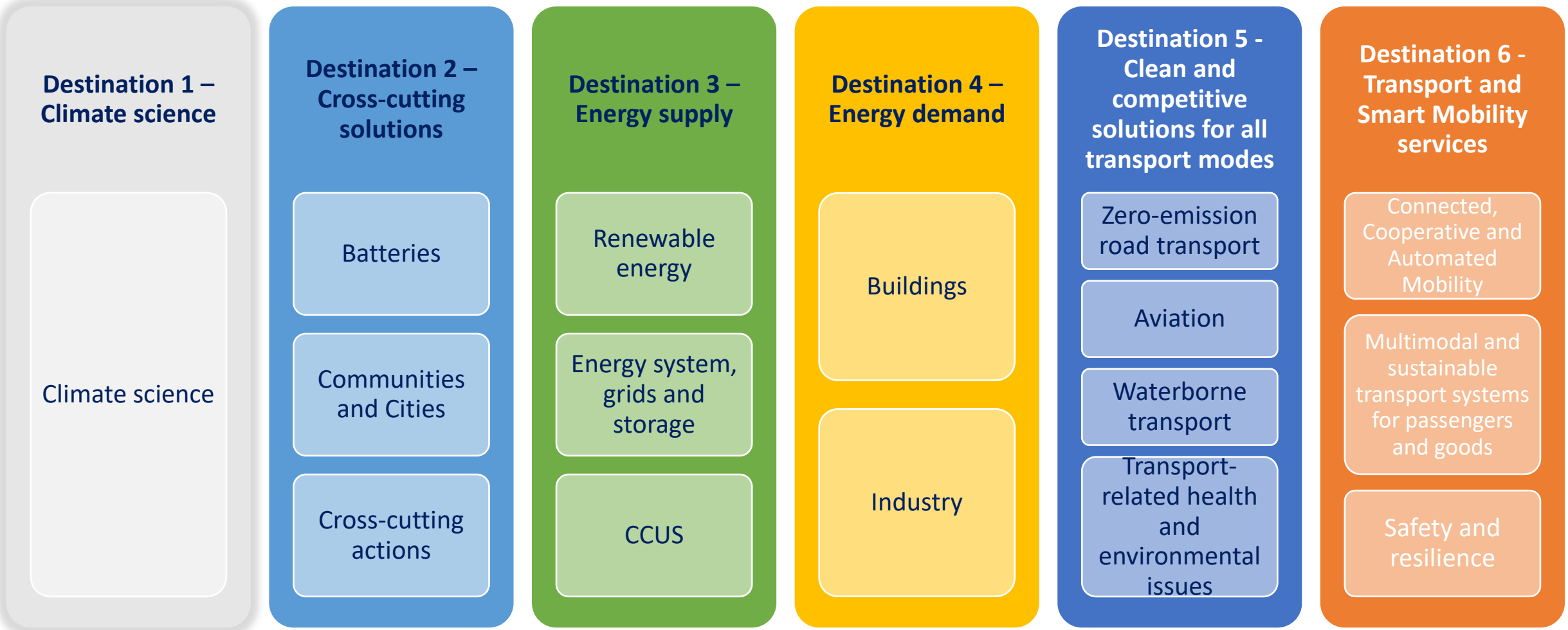
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Concursos Cluster 5 2027: Clima e Soluções Transversais (Destinations 1 e 2)

Flávio Soares, AI²



Cluster 5 overview



+ Clean Industrial Deal call

+ Bridging Actions calls

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Destination 1 - Climate sciences and responses for the transformation towards climate neutrality

Number of topics	Budget	# Projects
7	123 M€	23

Deadline: 04 Mar 2027

Topic	Type of action	Budget (M€)	# projects	Type of MGA
HORIZON-CL5-2027-01-D1-07: Advancing understanding, **modelling and prediction of extreme events** in a changing climate	RIA	18,0	3	Lump sum
HORIZON-CL5-2027-01-D1-08: **Palaeoclimate science** for a better understanding of Earth system dynamics	RIA	14,0	2	Lump sum
HORIZON-CL5-2027-01-D1-09: Assessing the performance of **policy instruments to inform climate change mitigation action**	RIA	9,0	3	Lump sum
HORIZON-CL5-2027-01-D1-10: Understanding and avoiding **maladaptation** to climate change	RIA	18,0	3	Grant Budget-Based
HORIZON-CL5-2027-01-D1-11: **Africa-EU CO-FUND** action on climate	COFUND	15,0	1	Grant Budget-Based
HORIZON-CL5-2027-01-D1-12: Better understanding and attribution **of land and ocean carbon sources and sinks**	RIA	25,0	5	Lump sum
HORIZON-CL5-2027-01-D1-13: **Next generation scenarios** for informing climate and sustainability transitions	RIA	24,0	6	Lump sum

HORIZON-CL5-2027-01-D1-12 | RIA | Lump Sum | Portfolio approach

Better understanding and attribution of land and ocean carbon sources and sinks

25 M€ | 5 Project (5M€) | Deadline: 04 Mar 2027

A) Ocean

Better understanding of oceanic CO_2 sources and sinks, their drivers and dynamics under different climate scenarios, including their responses to human interventions;

At least 2 project

B) Land

Better understanding of land ecosystem CO_2 sources and sinks, their drivers (both natural and anthropogenic) and their evolution under future climate and mitigation scenarios;

At least 2 project

C) Reconciliation

Aligning climate science estimates with national inventories of land-use CO_2 emissions and removals; More consistent quantification of lateral transfers of carbon.

At least 1 project

- Each proposal covers a single area, clearly indicated; while ensuring coordination and cooperation across projects
- Coordination with ESA FutureEO projects: budget for joint meetings and actions, and joint data management
- Open access to code, models and data;
- Area A should build on CL6-2022-CLIMATE-01-02 funded project (OceanICU).
- JRC may join as a beneficiary with zero funding, or as an associated partner
- Cooperation with low and middle-income countries encouraged

Top Coordinators – Destination 1

Entity	Country	Coord.	Projects	PIC
Fondazione CMCC	IT	8	29	999419422
Universiteit Utrecht	NL	4	11	999985805
Barcelona Supercomputing Center	ES	4	11	999655520
International Institute for Applied Systems Analysis - IIASA	AT	3	20	999452596
Aarhus Universitet	DK	3	9	999997736
NORCE Research	NO	3	8	905860788
E3-Modelling	EL	2	16	937657194
VU Foundation (Stichting VU)	NL	2	12	954530344
CICERO	NO	2	11	998157161

Top Global Players

Entity	Country	Coord.	Projects	PIC
Fondazione CMCC	IT	8	29	999419422
French National Centre for Scientific Research - CNRS	FR	1	22	999997930
Potsdam Inst. Climate Impact Research	DE	1	22	999464042
IIASA	AT	3	20	999452596
ETH Zürich	CH	0	19	999979015
E3-Modelling	EL	2	16	937657194
Met Office	UK	1	16	999892685
Max Planck Society	DE	1	15	999990267
University of Reading	UK	0	14	999984156

Top National Players

Entity	Coord.	Projects	PIC
Universidade de Aveiro	1	3	999865331
Universidade de Coimbra	1	3	997826391
FCiências.ID	0	2	915056194
Instituto Superior de Agronomia	0	2	998463002
LNEG	0	2	994187921
Universidade NOVA de Lisboa	0	2	960782479

Destination 2 - Cross-sectoral solutions for the climate transition

Number of topics	Budget	# Projects
4	123,4 M€	16

Topic	Type of action	Budget (M€)	# projects	Deadline
HORIZON-CL5-2027-02-D2-05: Improvement of Adaptability, Flexibility and Efficiency of **Existing Recycling Processes** (BATT4EU Partnership)	IA	18,8	2	31/03/2027
HORIZON-CL5-2027-02-D2-06: Sustainable and Competitive Cell Production Techniques for **Lithium-ion And Sodium-ion Batteries** (BATT4EU Partnership)	IA	37,8	2	31/03/2027
HORIZON-CL5-2027-04-Two-Stage-D2-07: Novel approaches towards **next-generation battery concepts**, leveraging the enabling role of innovative advanced materials (BATT4EU and IAM4EU Partnerships) | (Lump Sum)	RIA	48	10	14/04/2027 (1st Stage) 07/10/2027 (2nd Stage)
HORIZON-CL5-2027-05-D2-08: Demonstration for **Long-duration Battery Energy Storage Systems** (BATT4EU Partnership)	IA	18,8	2	15/09/2027

HORIZON-CL5-2027-04-Two-Stage-D2-07 | RIA | Lump Sum | Portfolio approach | BATT4EU and IAM4EU Partnerships

Novel approaches towards next-generation battery concepts, leveraging the enabling role of innovative advanced materials

48 M€ | 10 Project (4,8M€) | Deadline: 14/04/2027 (1st Stage); 07/10/2027 (2nd Stage)

A) Low cost

Development and validation of low-cost battery chemistries with minimal critical raw materials for EVs and/or stationary use; main component cost below €35/kWh

At least 1 project

B) High performance

Development of high-performance battery, suited for aviation and/or maritime sector; energy density above 500 Wh/kg and/or power density beyond the SoA

At least 1 project

C) Stationary

Novel battery advanced materials and cell-level concepts, for stationary energy storage for grid storage and/or energy-intensive industrial; multi-hour storage, system cost below €50/kWh

At least 1 project

- Blind evaluation: No organisation names, logos or staff names in the stage 1 abstract and Part B
- Choose one area and cover all of its bullet points, including the benchmark
- Mandatory assessments: Scalability, recyclability (SSbD), safety and predictive diagnostics
- JRC may join with zero funding
- Results reported to Batt4EU and IAM4EU KPIs
- This topic contributes to the industrial action plan for the automotive sector.

BATT4EU Batteries European Partnership

IAM4EU INNOVATIVE ADVANCED MATERIALS FOR EUROPE

Top Coordinators – Destination 2

Entity	Country	Coord.	Projects	PIC
AIT Austrian Institute Of Technology Gmbh	AT	7	21	999584128
FR Alternative Energies And Atomic Energy Commission	FR	6	30	999992401
Fundacion CIDETEC	ES	6	25	999461229
AVESTA Holding	BE	6	21	901741877
Vrije Universiteit Brussel	BE	6	14	999902094
SINTEF AS	NO	4	15	910945140
Teknologian Tutkimuskeskus - VTT Oy	FI	4	10	932760440
Fraunhofer Society	DE	3	42	999984059
Centro De Investigacion Cooperativa De Energias Alternativas Fundacion - CIC EnergiGUNE	ES	3	19	962434389
RISE Research Institutes Of Sweden Ab	SE	3	12	999613422

Top National Players

Entity	Coord.	Projects	PIC
INEGI	1	11	996840968
INOVA+ - Innovation Services, SA	0	5	999928478
CNET CENTRE FOR NEW ENERGY TECHNOLOGIES SA	0	2	933299857
UNIVERSIDADE NOVA DE LISBOA	0	2	960782479
UNIVERSIDADE DE AVEIRO	0	2	999865331
BATTERY CLUSTER BAT ASSOCIACAO PORTUGUESA	0	1	880581618

Top Global Players

Entity	Country	Projects	Coord.	PIC
Fraunhofer Society	DE	42	3	999984059
FR Alternative Energies and Atomic Energy Commission	FR	30	6	999992401
Fundacion CIDETEC	ES	25	6	999461229
AIT Austrian Institute of Technology GmbH	AT	21	7	999584128
AVESTA Holding	BE	21	6	901741877
Centro De Investigacion Cooperativa De Energias Alternativas Fundacion - CIC EnergiGUNE	ES	19	3	962434389
Forschungszentrum Julich Gmbh	DE	17	0	999980470
SINETF AS	NO	15	4	910945140
Centre National De La Recherche Scientifique CNRS	FR	15	2	999997930
Vrije Universiteit Brussel	BE	14	6	999902094
German Aerospace Center (DLR)	DE	14	2	999981731
Politecnico di Torino	IT	13	1	999977754
RISE Research Institutes of Sweden Ab	SE	12	3	999613422

Time to

Q & A

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Concursos Cluster 5 2027: Energia (Destinations 3 e 4)

Cristiana Leandro, AI²



Destination 3 - Sustainable, secure and competitive energy supply (Call 02 and 05)

Number of topics	Budget	# Projects
8	171 M€	14

Deadline: 31/03/2027 (call 02)
15/09/2027 (call 05)

Topic	Type of action	Budget (M€)	# projects
HORIZON-CL5-2027-02-D3-07: Concentrated solar thermal systems for decarbonising industrial processes	IA	12	2
HORIZON-CL5-2027-02-D3-08: Co-funding Strategic Energy Technology (SET) Plan renewable fuel value chains at EU, national, regional, and local level	COFUND	30	1
HORIZON-CL5-2027-02-D3-09: Innovative technologies and solutions to improve wave and tidal energy systems	IA	43	1
HORIZON-CL5-2027-02-D3-10: Renewable Energy Valleys in Africa to increase energy security and energy access in Africa	IA	9	2
HORIZON-CL5-2027-02-D3-15: Production technologies for solar photovoltaics beyond the state-of-the-art (EUPI-PV Partnership)	IA	36	3
HORIZON-CL5-2027-02-D3-24: Large scale operational validation and upscaling of state-of-the-art (Generative) AI tools and models powering a next generation digital energy system	IA	20	2
HORIZON-CL5-2027-02-D3-30: Advancements in Direct Air Capture	IA	16	2
HORIZON-CL5-2027-05-D3-31: Support to the implementation of an EU policy framework for CO2 transport and storage infrastructure	CSA	5	1

Destination 3 - Sustainable, secure and competitive energy supply (Call 07)

Number of topics	Budget	# Projects
8	179 M€	21

Deadline: 01/12/2027

Topic	Type of action	Budget (M€)	# projects
HORIZON-CL5-2027-07-D3-11: Demonstration of hydropower technologies for efficient and forward-looking refurbishment of existing hydropower plants	IA	17	2
HORIZON-CL5-2027-07-D3-16: Industrial processes and equipment for innovative, reliable and scalable tandem technologies (EUPI-PV Partnership)	IA	28,5	3
HORIZON-CL5-2027-07-D3-17: PV based electrification of the economy: Designing & optimising PV systems supporting industrial electrification and promoting participation in electricity markets (EUPI-PV Partnership)	IA	18	3
HORIZON-CL5-2027-07-D3-25: Advanced TSO control rooms to enhance grid observability, stability and resilience	IA	28,5	3
HORIZON-CL5-2027-07-D3-26: Advanced Distribution Management Systems (ADSM) for more efficient and flexible distribution grids	IA	28,5	3
HORIZON-CL5-2027-07-D3-27: Integrated Approaches for Retrofitting Infrastructures with Innovative Energy Storage Technologies	IA	22,5	3
HORIZON-CL5-2027-07-D3-28: Community of practice - Data-Driven Decision-Making in Energy	CSA	6	1
HORIZON-CL5-2027-07-D3-32: Delivery of industrial CCUS clusters – Societal Readiness pilot	IA	30	3

HORIZON-CL5-2027-02-D3-24 | IA | Lump Sum

Large scale operational validation and upscaling of state-of-the-art (Generative) AI tools and models powering a next generation digital energy system

20 M€ | 2 Projects (10M€) | Deadline: 31/03/2027

Objective:

- Validate and scale up advanced AI tools and models, including generative AI, at demonstration sites and in operational grids.

Key applications:

- Real-time grid monitoring, forecasting and balancing.
- Consumer empowerment and energy-saving applications.

Core requirements

- Secure, open-source AI, efficient in energy, resources, data and costs.
- Integration with the energy system's digital infrastructure and digital twin.
- Edge and federated learning; alignment with the Common European Energy Data Space.
- TRL 7-8

3. Other Eligible Conditions
In line with the "restriction on control in innovation actions in critical technology areas" delineated in General Annex B of the General Annexes, ***entities established in an eligible country but which are directly or indirectly controlled by China or by a legal entity established in China are not eligible to participate in the action****.*

Top Coordinators – D3

Entity	Country	Coord.	Projects	PIC
SINTEF AS	NO	15	29	910945140
Fraunhofer Society	DE	12	82	999984059
FR Alternative Energies and Atomic Energy Commission	FR	11	40	999992401
DANMARKS TEKNISKE UNIVERSITET	DK	10	44	999990655
FUNDACION CIRCE CENTRO DE INVESTIGACION DE RECURSOS Y CONSUMOS ENERGETICOS	ES	10	33	999516907
ETHNIKO KENTRO EREVNAS KAI TECHNOLOGIKIS ANAPTYXIS	EL	9	56	998802502
RINA CONSULTING SPA	IT	9	32	999951467
ETHNICON METSOVION POLYTECHNION	EL	8	27	999978142
TEKNOLOGIAN TUTKIMUSKESKUS VTT OY	FI	8	25	932760440
TECHNISCHE UNIVERSITEIT DELFT	NL	7	32	999977366

Top PT Players, # Projects

Entity	Projects	Coord.	PIC
CNET CENTRE FOR NEW ENERGY TECHNOLOGIES SA	33	1	933299857
INESC TEC	24	0	999513706
WAVEC/OFFSHORE RENEWABLES - CENTRO DE ENERGIA OFFSHORE ASS.	13	1	999543485
CENTRO DE INVESTIGACAO EM ENERGIA REN - STATE GRID SA	11	0	940068323
EDP - GESTAO DA PRODUCAO DE ENERGIASA	8	0	996535709
IST-ID	7	1	954983722
INESC ID	6	3	999613325
Laboratorio Nacional de Energia e Geologia I.P.	6	1	994187921
LABELEC ESTUDOS DESENVOLVIMENTO E ACTIVIDADES LABORATORIAIS SA	6	0	941651557
COOPERATIVE ELECTRICA DO VALE DESTE CRL	6	0	904290746
REN - REDE ELECTRICA NACIONAL SA	6	0	999486352
UNIVERSIDADE DO PORTO	5	2	999894916

Top Global Players, #Projects

Entity	Country	Projects	Coord.	PIC
Fraunhofer Society	DE	82	12	999984059
ETHNIKO KENTRO EREVNAS KAI TECHNOLOGIKIS ANAPTYXIS	EL	56	9	998802502
DANMARKS TEKNISKE UNIVERSITET	DK	44	10	999990655
FR Alternative Energies and Atomic Energy Commission	FR	40	11	999992401
NEDERLANDSE ORGANISATIE VOOR TOEGEPAST NATUURWETENSCHAPPELIJK ONDERZOEK TNO	NL	37	6	999988909
FUNDACION CIRCE CENTRO DE INVESTIGACION DE RECURSOS Y CONSUMOS ENERGETICOS	ES	33	10	999516907
CNET CENTRE FOR NEW ENERGY TECHNOLOGIES SA	PT	33	1	933299857
RINA CONSULTING SPA	IT	32	9	999951467
TECHNISCHE UNIVERSITEIT DELFT	NL	32	7	999977366
RHEINISCH-WESTFAELISCHE TECHNISCHE HOCHSCHULE AACHEN	DE	30	2	999983962
SINTEF AS	NO	29	15	910945140
AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS	ES	29	7	999991722

Total 442 projects

Destination 4 - Efficient, sustainable and inclusive energy use (Call 05)

Number of topics	Budget	# Projects
4	76,5 M€	12

Deadline: 15/09/2027

Topic	Type of action	Budget (M€)	# projects
HORIZON-CL5-2027-05-D4-05: On-site robotic and automated techniques for building renovation and new construction	IA	20,25	3
HORIZON-CL5-2027-05-D4-06: Thermal energy optimisation and waste heat recovery of high energy demand IT rooms in buildings or small edge data centres	IA	15,75	3
HORIZON-CL5-2027-05-D4-07: Integrating circularity in LCA-based modelling frameworks for renovation of buildings (Built4People Partnership)	IA	27	4
HORIZON-CL5-2027-05-D4-09: Demonstration of industrial excess/waste heat conversion to mechanical or electrical power	IA	13,5	2

Top Coordinators – D4

Entity	Country	Coord.	Projects	PIC
ETHNIKO KENTRO EREVNAS KAI TECHNOLOGIKIS ANAPTYXIS	EL	6	20	998802502
ACCADEMIA EUROPEA DI BOLZANO	IT	5	12	999887253
RINA CONSULTING SPA	IT	4	15	999951467
FUNDACION CIRCE CENTRO DE INVESTIGACION DE RECURSOS Y CONSUMOS ENERGETICOS	ES	4	9	999516907
POLITECNICO DI MILANO	IT	4	8	999879881
FUNDACION CARTIF	ES	3	15	999929836
ETHNICON METSOVION POLYTECHNION	EL	3	14	999978142
FUNDACION TECNALIA RESEARCH & INNOVATION	ES	2	14	999604110
DANMARKS TEKNISKE UNIVERSITET	DK	2	10	999990655
UNIVERSITY COLLEGE LONDON	UK	2	9	999975620

Top PT Players, # Projects

Entity	Projects	Coord.	PIC
EMAC EMPRESA MUNICIPAL DE AMBIENTEDE CASCAIS EM SA	3	0	950715722
CNET CENTRE FOR NEW ENERGY TECHNOLOGIES SA	2	0	933299857
UNIVERSIDADE DO MINHO	2	0	999995505
UNIVERSIDADE NOVA DE LISBOA	2	0	960782479
UNIVERSIDADE DO PORTO	2	0	999894916
ASSOCIACAO ISCTE CONHECIMENTO E INOVACAO - CENTRO DE VALORIZACAO E TRANSFERENCIA DE TECNOLOGIAS	1	1	894471533

Top Global Players, #Projects

Entity	Country	Projects	Coord.	PIC
ETHNIKO KENTRO EREVNAS KAI TECHNOLOGIKIS ANAPTYXIS	EL	20	6	998802502
RINA CONSULTING SPA	IT	15	4	999951467
FUNDACION CARTIF	ES	15	3	999929836
ETHNICON METSOVION POLYTECHNION	EL	14	3	999978142
FUNDACION TECNALIA RESEARCH & INNOVATION	ES	14	2	999604110
ACCADEMIA EUROPEA DI BOLZANO	IT	12	5	999887253
DANMARKS TEKNISKE UNIVERSITET	DK	10	2	999990655
FUNDACION CIRCE CENTRO DE INVESTIGACION DE RECURSOS Y CONSUMOS ENERGETICOS	ES	9	4	999516907
UNIVERSITY COLLEGE LONDON	UK	9	2	999975620
TECHNISCHE UNIVERSITEIT DELFT	NL	9	1	999977366
ICLEI EUROPEAN SECRETARIAT GMBH	DE	9	0	998341364
POLITECNICO DI MILANO	IT	8	4	999879881

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Total 99 projects

Concursos Cluster 5 2027: Mobilidade (Destinations 5 e 6)

Juan Henriques, AI²



Destination 5 - Clean and competitive solutions for all transport modes (Call 03)

Number of topics	Budget	# Projects
11	131 M€	20

Deadline: 14/04/2027

Topic	Type of action	Budget (M€)	# projects
HORIZON-CL5-2027-03-D5-03: Data-driven circular economy for e-mobility ecosystem (2ZERO Partnership)	IA	24	4
HORIZON-CL5-2027-03-D5-04: Demonstration of zero emission coaches and buses in long distance operations (2ZERO Partnership)	IA	13,5	1
HORIZON-CL5-2027-03-D5-05: Higher Voltage, Megawatt Charging System compatible, modular powertrain for Heavy Duty Vehicles (HDV) (2ZERO Partnership)	IA	16	2
HORIZON-CL5-2027-03-D5-06: Fire prevention and mitigation for EVs in confined areas (2ZERO Partnership)	IA	8	1
HORIZON-CL5-2027-03-D5-18: Enhanced electric operation and battery durability (ZEWT Partnership)	IA	20	2
HORIZON-CL5-2027-03-D5-14: Onboard renewable energy solutions and energy saving measures to reduce the fuel consumption of ships by at least 55% (ZEWT Partnership)	IA	6,5	1
HORIZON-CL5-2027-03-D5-15: Prospective evaluation of nuclear power potential for shipping (ZEWT Partnership)	CSA	2	1
HORIZON-CL5-2027-03-D5-16: Autonomous vessels in short sea shipping and inland waterways	IA	15	2

Destination 5 - Clean and competitive solutions for all transport modes (Call 03)

Number of topics	Budget	# Projects
11	131 M€	20

Deadline: 14/04/2027

Topic	Type of action	Budget (M€)	# projects
HORIZON-CL5-2027-03-D5-17: Innovative Solutions for mitigating the environmental impact of waterborne transport in marine and aquatic Ecosystems (ZEWT Partnership)	RIA	14	2
HORIZON-CL5-2027-03-D5-20: Assessing the effect of airport operations on air quality and noise in nearby communities	RIA	7	2
HORIZON-CL5-2027-03-D5-08: Sustainable aircraft circular design and additive manufacturing, towards a climate neutral aviation	RIA	5	2

(Call 04 Two-Stage)

Number of topics	Budget	# Projects
1	5 M€	2

1st stage: 14/04/2027
2nd stage: 07/10/2027

Topic	Type of action	Budget (M€)	# projects
HORIZON-CL5-2027-04-Two-Stage-D5-09: Noise reduction breakthroughs for new ultraefficient aircraft	RIA	5	2

Destination 6 - Safe, Resilient Transport and Smart Mobility services for passengers and goods (Call 06)

Number of topics	Budget	# Projects
5	37,1 M€	7

Deadline: 07/10/2027

Topic	Type of action	Budget (M€)	# projects
HORIZON-CL5-2027-06-D6-04: Holistic solutions for CCAM integration in critical scenarios (CCAM Partnership)	RIA	5,5	1
HORIZON-CL5-2027-06-D6-05: European CCAM knowledge hub and tools for safe and scalable deployment (CCAM Partnership)	CSA	4	1
HORIZON-CL5-2027-06-D6-08: Enhancing Mobility for All: affordable, reliable, and accessible multimodal transport for inclusive rural and urban connectivity – Societal Readiness pilot	IA	21	3
HORIZON-CL5-2027-06-D6-11: Enhancing Resilience and Accuracy in Positioning, Navigation, and Timing (PNT) Systems and e-conspicuity solutions	IA	5	1

Infoday nacional dedicado aos
Concursos de 2027 do Horizonte Europa

Concursos Horizontais 2027: ‘Clean Industrial Deal’ & ‘Bridging Actions’

Cristiana Leandro, AI²



Clean Industrial Deal (CID) call 2027

- Horizontal call (between **Clusters 4 and 5**), with 2 topics:

  1. ***Clean Technologies for Climate Action*** (HORIZON-CID-2027-01-02: R&I in Support of the Clean Industrial Deal: Clean Technologies for Climate Action)

  → 140M€ for 8 projects

  2. ***Decarbonisation of Energy-Intensive Industries*** (HORIZON-CID-2027-01-01: R&I in Support of the Clean Industrial Deal: Decarbonisation of energy intensive industries)

  → 125M€ for 8 projects

- Opening: 12 Jan 2027 | Deadline: 15 Sep 2027
- Both topics are **Innovation Actions** targeting **fit-for-deployment solutions**

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Clean Industrial Deal (CID) 2027: principles of the call

Open Character

- **Applicants are free to decide** on the specific tech value chain they wish to strengthen through innovative competitive & decarbonization solutions

Focus on Industrial Competitiveness

- Demonstrate **industrial leadership** in view of the deployment after the project (i.e. put together a consortium composition that allows for effective collaboration between relevant stakeholders and future deployment).
- Set out a sound **business plan** and **market-readiness strategy** on how to prepare and support the deployment of the proposed tech solution within/across relevant EU industrial sectors.
- Think ahead in view of **Leveraging investments** for deployment.

Value Chain & Cross-Sectorial Integration

- Ensure the development of technological solutions **across a specific tech value chain** (i.e. involving adequate combination of suppliers, users & relevant stakeholders).

Bridging actions 2027

The Horizon Europe Bridging Actions 2027 will tackle major research and innovation challenges to **prepare the ground for the EU's next research and innovation programme**, Horizon Europe 2028-2034, and its links with the future European Competitiveness Fund.

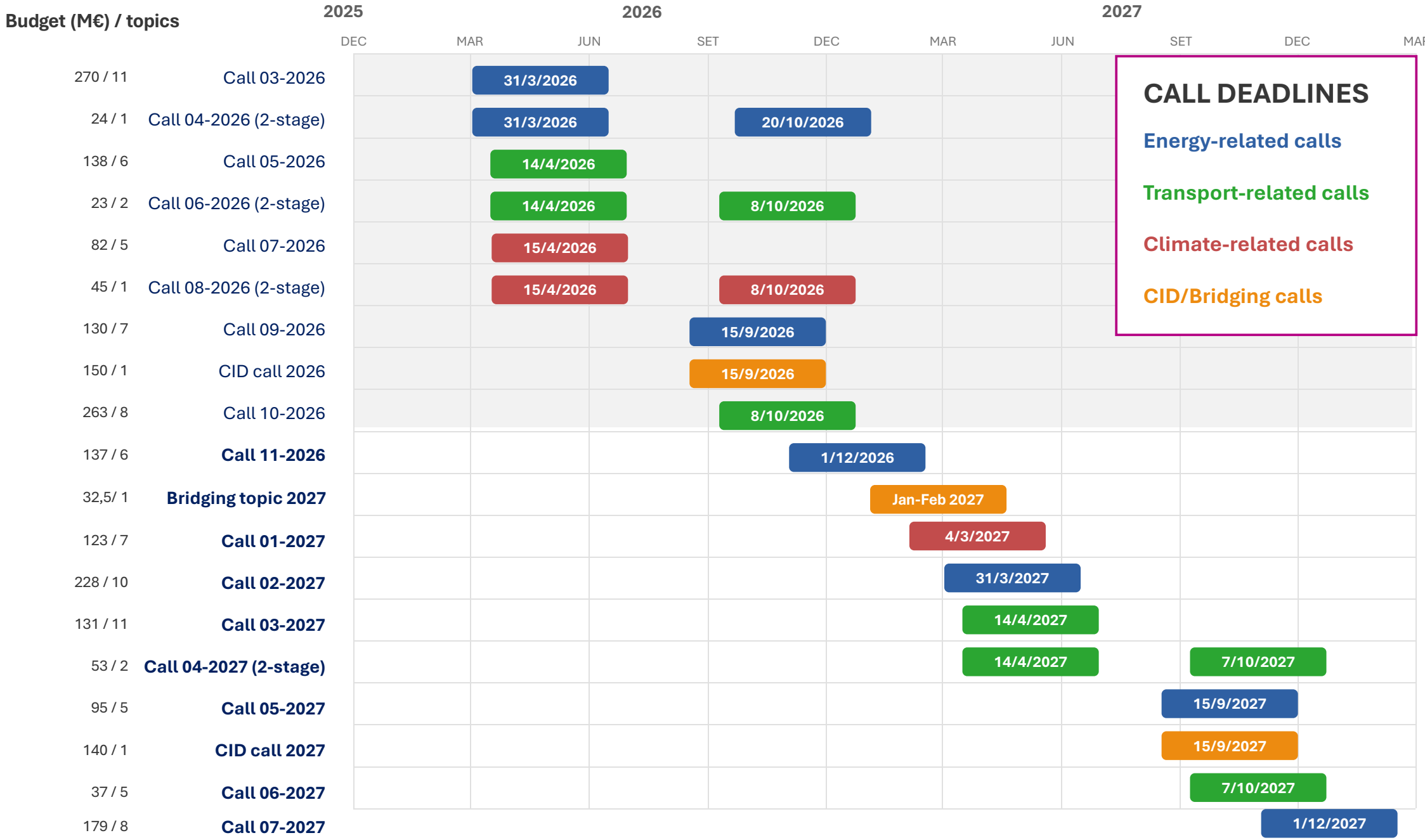
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Bridging actions 2027

Deadlines: 28/01/2027 (topic 02-05)
16/02/2027

Topic	Type of action	Budget (M€)	# projects
HORIZON-BRIDGING-2027-04-03: **Bringing innovative climate preparedness and resilience solutions closer to the market** *Help climate adaptation solutions reach the market, including through financial support to businesses and engagement with public authorities.*	CSA	20	1
HORIZON-BRIDGING-2027-04-08: **Sustainability and resilience of climate projections and related data records for European and global science and policy** *Support the continuity and resilience of climate projections and related data records used by researchers and policymakers.*	CSA	5	1
HORIZON-BRIDGING-2027-04-11: **Detection, monitoring, modelling, and attribution capabilities for Solar Radiation Modification (SRM) activities and assessing their impacts on Earth's climate and ecosystems** *SRM refers to proposed interventions to reduce warming by changing Earth's radiation balance. This topic supports monitoring and assessment of their potential impacts. Deployment and field experiments are excluded.*	RIA	10	1
HORIZON-BRIDGING-2027-01-12: **Large-scale digital platforms leveraging artificial intelligence to improve the affordability, security, efficiency, and sustainability of European energy systems** *Demonstrate AI-driven platforms that improve energy system operation, flexibility and sustainability through large-scale pilots.*	IA	15	1
HORIZON-BRIDGING-2027-01-10: **Autonomous Drive Ambition Cities - Apply AI** *Demonstrate autonomous mobility services in urban environments and support their wider deployment.*	IA	15	1
HORIZON-BRIDGING-2027-02-05: **Advancing Horizon Europe Results Towards Market Uptake** Supporting consortia in further developing promising Horizon Europe research results towards real-world applications and market deployment.	IA	32,5	13

CL5 timeline 2027



Relevant Events

Cluster 5 – Climate, Energy e Mobility

- Infoday nacional Cluster 5, 21 out 2026, Lisbon
- Infoday 2027 + brokerage, 19 nov 2026, Brussels
- GREENET Matchmaking Platform

Horizontal Activities Nature and Bridging

- EC Info Days 16Oct 08:30 Online (recordings)

EU Missions

- EC Info Days (Recordings)

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Last but not least



Newsletters

Dedicated information on thematic areas.

Link to ANI Newsletters

GNAD

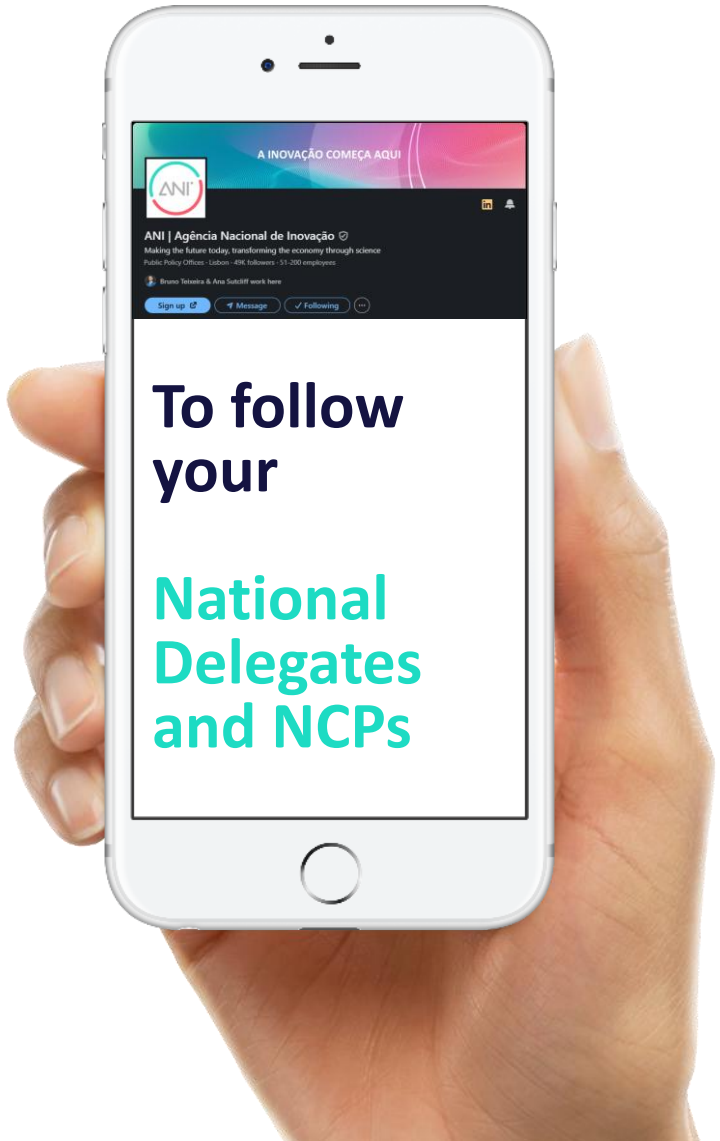
To follow the discussions in support groups to Horizon Europe and to know more about the working programmes 2025, 2026/2027, and the FP10.

Link to register in GNAD.

EU Funding & Tenders Portal

Keep yourself up to date about calls and requirements.

Link to Funding & Tenders Portal



Cluster 5 Team



CRISTIANA LEANDRO

Clima & Energia & Mobilidade

Missão Cidades

cristiana.leandro@ai2portugal.pt



FLÁVIO SOARES

Clima & Energia

Missão Clima

flavio.soares@ai2portugal.pt



JUAN HENRIQUES

Energia & Mobilidade

juan.henriques@ai2portugal.pt

Help to identify consortium partners (including through previous results/intel)

Bridge with the Commission

Help in legal & financial



Identification of topics and funding instruments

Help to understand the proposal structure

Help to review applicant's proposals

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Time to

Q & A

AGÊNCIA NACIONAL
DE INOVAÇÃO

Infoday nacional dedicado aos Concursos de 2027 do Horizonte Europa:

Cluster 5 (Clima, Energia e Mobilidade)
'Clean Industrial Deal' | 'Bridging Actions'

21 de outubro | 14h – 17h
Auditório ANI, Lisboa

Please leave your badge in the small box before you leave.

Thank you

