Climate in Horizon Europe Calls 2027

Czech National Information Day
Horizon Europe – Life Sciences
19/11/2026



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Outline

WP 2026-27
12. Missions
8. Climate, Energy and Mobility (Cluster 5)
14. Horizontal activities





WP 2026-27
12. Missions

Climate Adaptation Mission
Joint Calls
Cross-cutting activities



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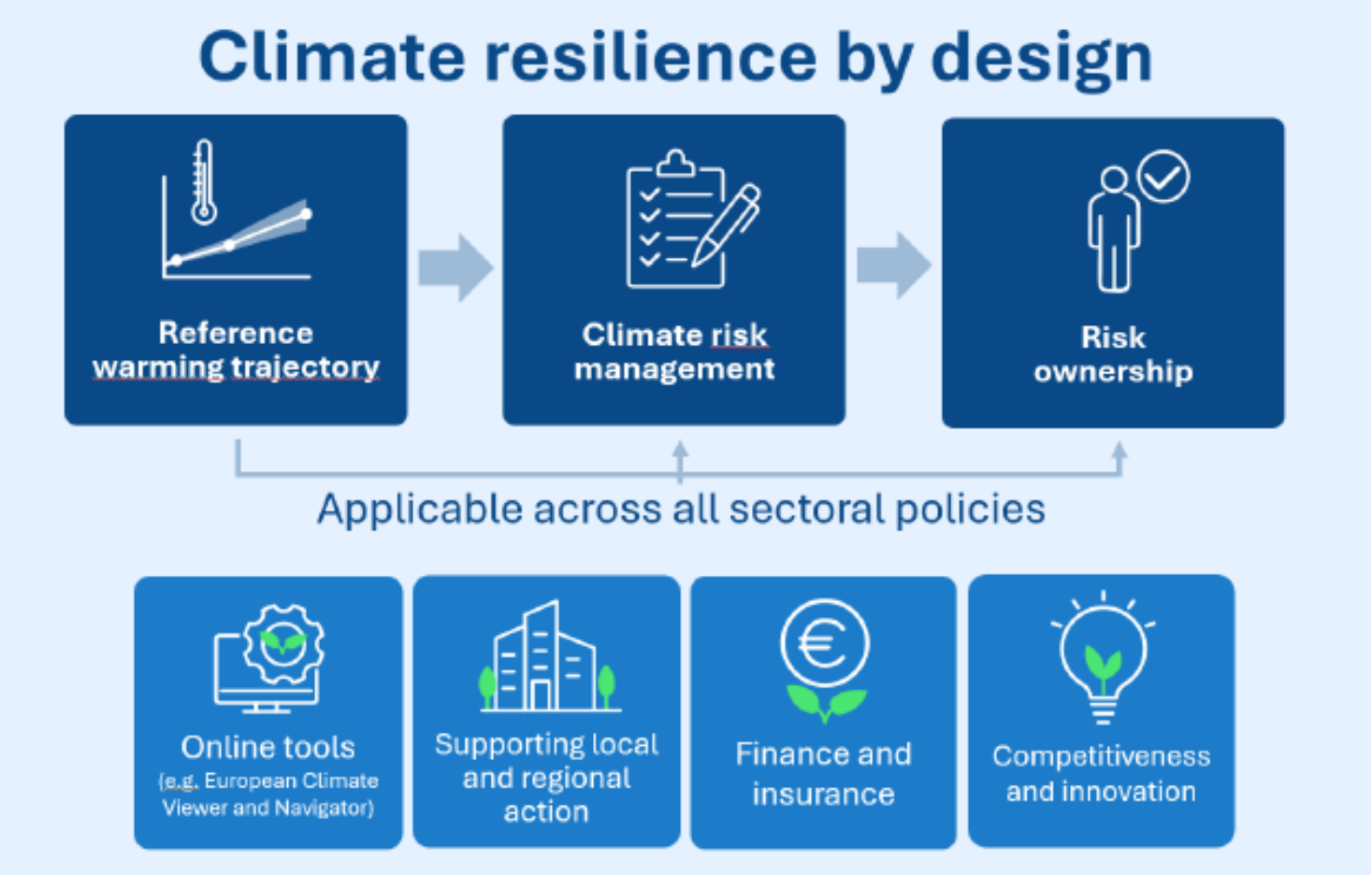
EU policy context

- **European Green Deal** (2019) ➡ EU climate neutral and **resilient** by 2050
- **EU Climate Law** (2021) ➡ set into law climate objectives of Green Deal
  article 5 is on adaptation
- **EU Adaptation Strategy** (2021) ➡ EU adapted to unavoidable climate impacts
  Strategy's central dimensions:
  - **Smarter** adaptation
  - **More systemic** adaptation
  - **Faster** adaptation



- ***NEW*** **EU framework for climate resilience** (2026)
  - Proposed **climate resilience law**

EU Framework for Climate Resilience



- Common European approach to climate resilience**, to anticipate, prepare for and manage climate risks**.
- Climate resilience becomes part of **how Europe makes decisions**
- Combines a proposed **European Climate Resilience Law** with practical **tools** and supporting measures.
- From resilience seen as a cost to **resilience as investment and opportunity.**

More information here

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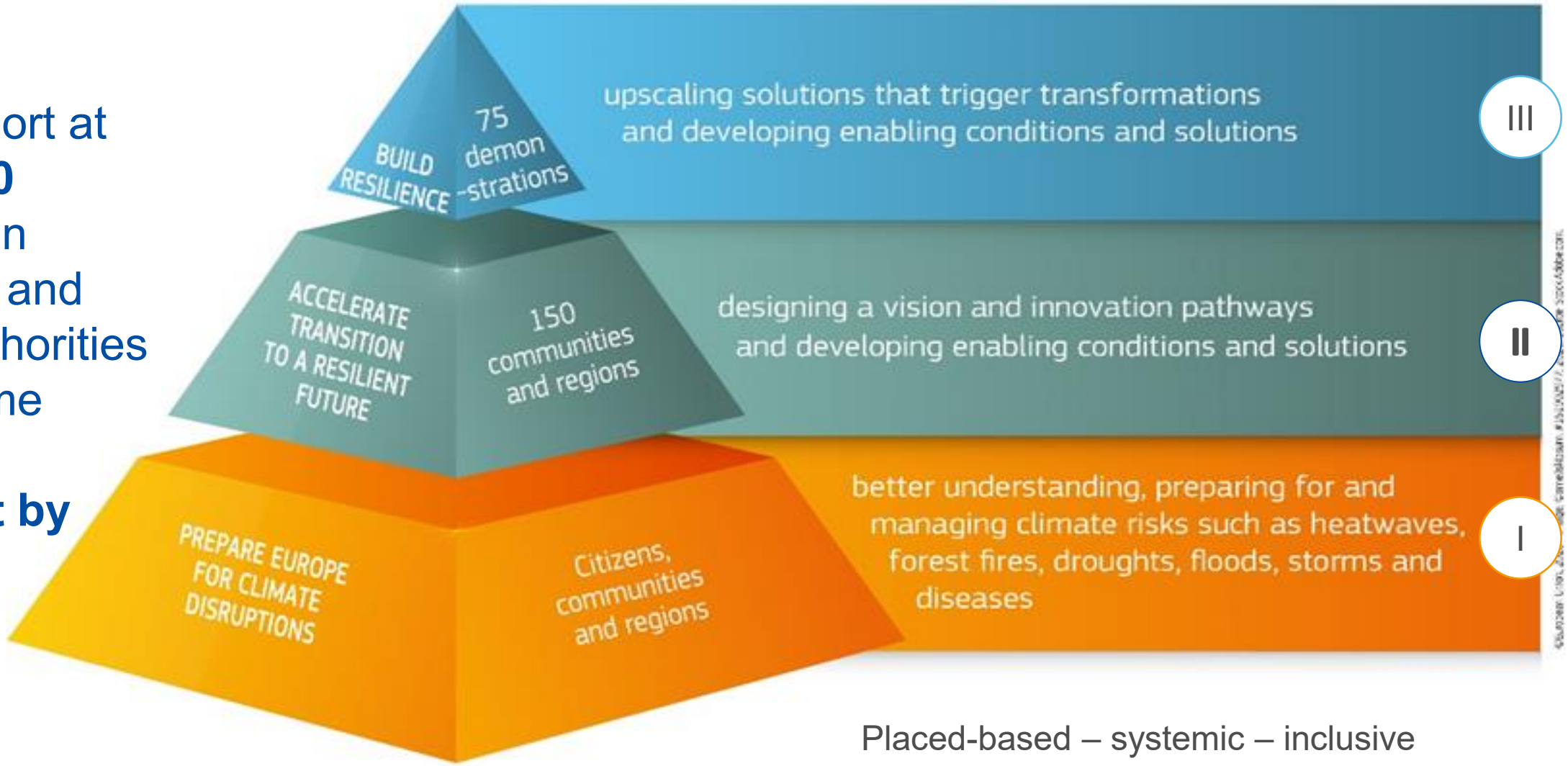
Mission objectives

To support at least **150** European **regions** and local authorities to become **climate resilient by 2030**



Placed-based – systemic – inclusive

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Key achievements of the Adaptation Mission so far

- **333 territories** committed politically through the Mission Charter, representing **280+ million people**
- **292 territories** have received technical assistance
- **185 territories** demonstrating **~1000** adaptation **solutions** on the ground
- **110+ territories** are preparing to replicate solutions

Lessons learnt

- European added value is clear
- Local capacity remains a bottleneck
- Co-creation drives ownership and impact
- Adaptation is local

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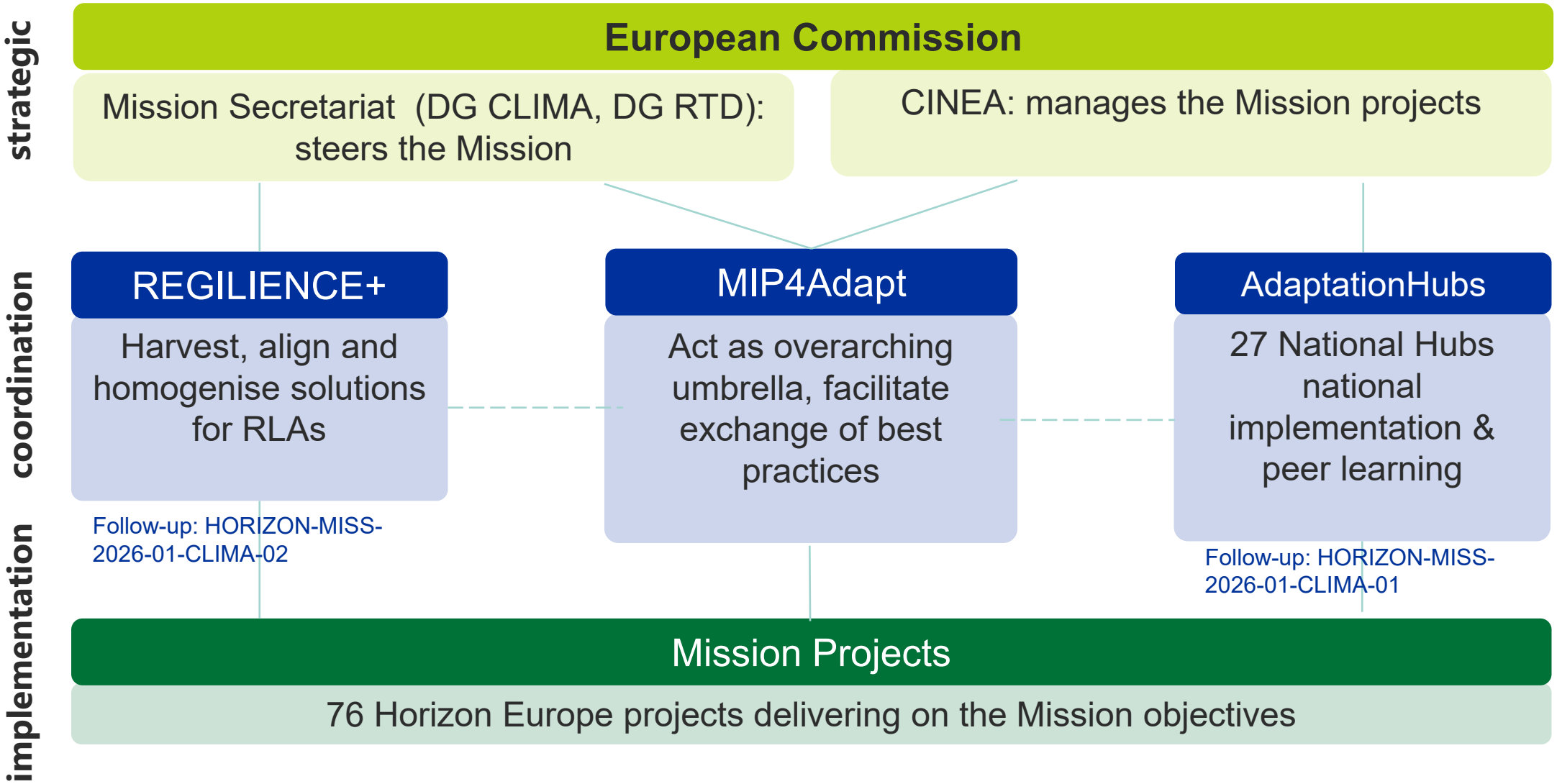
The Mission Ecosystem



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More information about the Adaptation Mission

- Mission portal
- 2026 Activity Report of the Adaptation Mission
- 2026 Catalogue of Mission Projects
- Interactive Dashboard → 376 Adaptation Projects, funded by the Mission and beyond
- Interactive map of **Signatories** and what they get
- Social Media: @mip4adapt.bsky.social; @Mission Implementation Platform for Adaptation to Climate Change (MIP4Adapt)

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Czech participation of regions/local authorities













- 11 Regions and local authorities supported by 6 Mission Projects
- €6 M of EU funding from the Mission
- 8 MIP4Adapt Community of Practice Members

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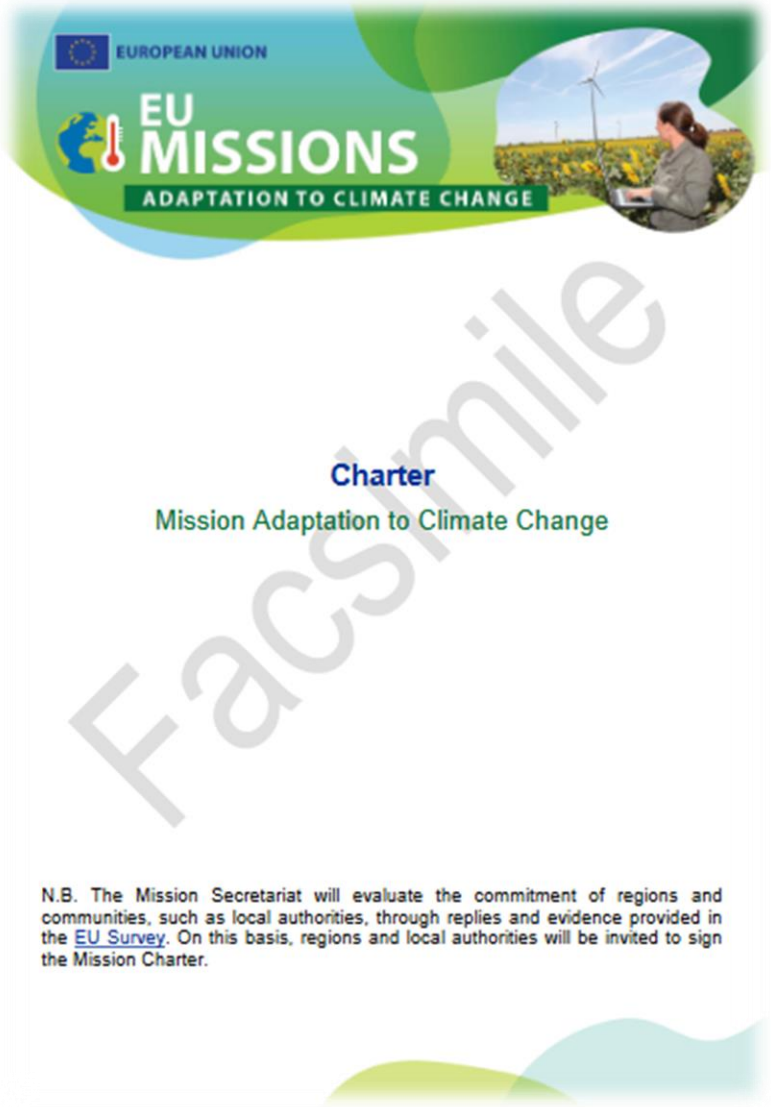
Opportunity to sign the Mission Charter

for regions and local authorities involved in Mission projects

1. Regions & local authorities fill the quick EUSurvey – Survey on their challenges and needs
2. They notify EU-CLIMATE-ADAPTATION-MISSION@ec.europa.eu of their interest
3. Eligibility check by the Secretariat
4. Signature of the Charter by legal representative of the region or local authority
5. Announcement of the new batch at the Mission forum





Note:
Legal base: Work programme
F&T portal
FAQ
RES



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2027 calls

Demonstration projects

Cross-border resilience

CLIMA-CIT-CCRI Wastewater

Joint with Cities Mission and Circular Cities & Regions Initiative

CLIMA-CIT-NEB Urban nature

Joint with Cities Mission and New European Bauhaus

Research projects

Artificial Intelligence

Other projects

HORIZON-HLTH-2027-01-ENVHLTH MISSCLIMA-03 Pre-commercial procurement – Health adaptation

HORIZON-BRIDGING-2027-04-03 bringing solution closer to market

Call 2027: Adaptation to Climate Change: Supporting the implementation of the EU Mission Adaptation to Climate Change

Budget (M€)	N° of topics	Call opening	Call deadline
84,32	2	9/2/2027	21/9/2027

Topic	ToA	Budgets	Expected EU contribution per project	Indicative number of projects expected to be funded
HORIZON-MISS-2027-01-CLIMA-01: Demonstrating transformative solutions to increase cross-border climate resilience	IA	72,32 M€	10-15M€	5
HORIZON-MISS-2027-01-CLIMA-02: Researching and applying the potential of Artificial Intelligence to foster climate resilience at the regional and local levels	RIA	12M€	3M€	4

Call 2027: Joint Call between the Climate-Neutral and Smart Cities Mission and the Adaptation to Climate Change Mission

Budget (M€)	N° of topics	Call opening	Call deadline
68,5	2	9/2/2027	22/9/2027

Topic	ToA	Budgets	Expected EU contribution per project	Indicative number of projects expected to be funded
HORIZON-MISS-2027-07-CLIMA-CIT NEB-01: Urban nature: supporting restoration of urban ecosystems, along urban transport networks and in the built environment	IA	40M€	10M€	4
HORIZON-MISS-2027-07-CLIMA-CIT CCRI-02: Deploying innovative wastewater management, treatment and valorisation solutions in European cities and regions in the context of climate change	IA	28,5M€	9,5M€	3

Call 2027: Joint Call between the Adaptation to Climate Change Mission and Cluster 1 (Health)*

Budget (M€)	N° of topics	Call opening	Call deadline
20	1	29/10/2026	17/2/2027

Topic	ToA	Budgets	Expected EU contribution per project	Indicative number of projects expected to be funded
HORIZON-HLTH-2027-01-ENVHLTH-MISSCLIMA-03: Tools and technologies to support health adaptation to climate change	PCP	20M€	4-5M€	4

* Action in WP of Cluster 1 (Health)

Other actions: Public procurement

Sustaining the efforts of the Mission Implementation Platform for the Adaptation to Climate Change Mission as service provider to contribute to the Mission goals by 2030

Budget (M€)	N° of selected contracts	Publication (indicative)	Contract signature (indicative)
10	1	Q2 2027	2028



Cross-cutting activities for Missions



Call 2027: Cross-cutting activities

Budget (M€)	N° of topics	Call opening	Call deadline
3,62	1	6/10/2026	13/1/2027

Topic	ToA	Budgets	Expected EU contribution per project	Indicative number of projects expected to be funded
HORIZON-MISS-2026-07-CROSS-04: Demonstrating place-based experimentation and innovation spaces as enabling environments for scaling EU Missions	IA	3,62M€	1-1,5M€	3

Other actions: Prizes

Prizes (inducement)	Cash contribution for each Prize (1,5 M€)	Rules (selected)	Indicative calendar
Mission Anchoring Prize Mission Citizen Engagement Prize Mission Ecosystem Prize Mission Knowledge Valorisation Prize	1st place: EUR 450 000 2nd place: EUR 390 000 3rd place: EUR 330 000 4th place: EUR 330 000	Eligibility: Contestants must be public authorities	Opening of the contest Q3 2026 (F&T Portal)
		Evaluated by a jury consisting of a group of independent experts against award criteria	Evaluation and solutions demonstration Q2 2028
		An entity shall only apply to one of the four Mission Prizes launched in the context of the Horizon Europe Work Programme 2026-2027	Award of the prize Q4 2028
		It is essential that activities submitted under the framework of this topic do not overlap with existing activities, programmes, and structures currently functioning at the EU, national, and regional level	



WP 2026-27
8. Climate, Energy and Mobility

Cluster 5 – Destination 1
Climate Sciences



Call 2027: Climate sciences and responses for the transformation towards climate neutrality

Budget (M€)	N° of topics	Call opening	Call deadline
123	7	17/11/2026	4/3/2027

Topic	ToA	Budgets	Expected EU contribution per project	Indicative number of projects expected to be funded
HORIZON-CL5-2027-01-D1-07: Advancing understanding, modelling and prediction of extreme events in a changing climate	RIA	18M€	6M€	3
HORIZON-CL5-2027-01-D1-08: Palaeoclimate science for a better understanding of Earth system dynamics	RIA	14M€	7M€	2
HORIZON-CL5-2027-01-D1-09: Assessing the performance of policy instruments to inform climate change mitigation action	RIA	9M€	3M€	3
HORIZON-CL5-2027-01-D1-10: Understanding and avoiding maladaptation to climate change	RIA	18M€	5-6M€	3
HORIZON-CL5-2027-01-D1-11: Africa-EU CO-FUND action on climate	Co-Fund	15M€	15M€	1
HORIZON-CL5-2027-01-D1-12: Better understanding and attribution of land and ocean carbon sources and sinks	RIA	25M€	5M€	5
HORIZON-CL5-2027-01-D1-13: Next generation scenarios for informing climate and sustainability transitions	RIA	24M€	4M€	6

CLIMATE SCIENCES

Earth system sciences

Extreme events modelling, palaeoclimate & carbon sinks

Expected impacts

- Improved earth system models, including prediction and projection of extreme events and early warning signals
- Contribution to global assessments, strategies and policies

Challenges and specificities

- Lump sum
- Coordination initiative with ESA on earth system science (ESSI)
- International cooperation, esp. with low-to-middle income countries

Gaps covered

- Extreme events modelling capabilities and attribution science
- Tipping points and climate variations and their consequences
- Drivers, dynamics and accounting of CO2 sources and sinks (ocean & land)

CLIMATE SCIENCES

Mitigation, Adaptation, and Policy effectiveness

Policy evaluations, adaptation assessment frameworks, Africa co-fund & climate scenarios

Expected impacts

- Enhanced effectiveness and fairness of assessments & policies
- Integrated, inclusive, transparent, actionable climate scenarios
- Reduced fragmentation of R&I efforts
- Contribution to global assessments

Challenges and specificities

- Lump sum
- International cooperation, co-fund action and FSTP
- Social sciences and humanities, and integrating research communities (eg. climate and biodiversity)
- Collaboration with the EU Mission on Adaptation to Climate Change

Gaps covered

- Methodologies for ex-ante and ex-post evaluations of policies
- Evidence base on maladaptation & tools for prevention
- African science representativeness in international fora
- Equity, justice and policy considerations in climate scenarios

WP 2026-27
14. Horizontal activities

Bridging actions on Climate Sciences



Call 2027

Budget (M€)	N° of topics	Call opening	Call deadline
35	3	6/10/2026	16/2/2027

Topic	ToA	Budgets	Expected EU contribution per project	Indicative number of projects expected to be funded
HORIZON-BRIDGING-2027-04-03: Bringing innovative climate preparedness and resilience solutions closer to the market	CSA	20M€	20M€	1
HORIZON-BRIDGING-2027-04-08: Sustainability and resilience of climate projections and related data records for European and global science and policy	CSA	5M€	5M€	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	RIA	10M€	10M€	1

Bringing innovative climate preparedness and resilience solutions closer to the market

CONTEXT

- Addresses the lack of a coherent, EU-level pathway for scaling climate resilience solutions across economic sectors, which currently leads to **underexploited innovation potential**
- In direct support of the upcoming **EU Framework for Climate Resilience**

EXPECTED OUTCOMES

- Climate preparedness and resilience innovative solutions advance in their **investment journey** and get closer to the market
- Public authorities are mobilised to **stimulate demand** for climate adaptation solutions
- Structural and operational bottlenecks to the deployment of climate resilience solutions are identified, along with good practices, and **policy-relevant insights** are derived from lessons learned

SCOPE

- ***Services provided by the central consortium*** → Common framework of intervention + pool of demand side + identify bottlenecks/good practices and produce policy-relevant insights
- ***Direct support to businesses in the form of FSTP*** → Advisory services and direct support to businesses for climate adaptation solutions at TRL 7. Priority to the following areas: 1) water, 2) food & agriculture, 3) transport, 4) energy, 5) health, 6) civil security and 7) critical infrastructure, including buildings

PLEASE NOTE

- **Consortium expertise**: business innovation & market analysis and development, legal & regulatory affairs, operational and financial management applicable to climate resilience markets

INSTRUMENT

- Coordination and Support Action
- Indicative budget EUR 20.00 million, 1 project expected
- Beneficiaries must provide financial support to third parties (max 800,000 per third party). FSTP at least 80% of the total amount of the EU requested contribution.

HORIZON-BRIDGING-2027-04-08

Sustainability and resilience of climate projections and related data records for European and global science and policy

CONTEXT

- Earth System Grid Federation (ESGF) is a global network of interoperable nodes hosting large archives of climate data
- High reliance on the uncertain US branch poses systemic risks, including for CMIP and IPCC

EXPECTED OUTCOMES

- **ESGF's resilience** is strengthened in Europe and globally
- European **climate data and infrastructure sovereignty** is secured
- Effective delivery of climate information for policy (IPCC, UNFCCC)

SCOPE

- Coordinate **Europe-wide solution** for access to key climate data records
- Explore and enact options for a **long-term, sustainable and more effective ESGF**
- Promote **global interoperability and trust**

PLEASE NOTE

- Relevant for IPCC, WCRP, CMIP, CORDEX
- Synergies: ESFRI, EOSC, EU AI-initiatives, EuroHPC JU…

INSTRUMENT

- Coordination and Support Action
- EUR 5M, 1 expected grant
- Procedure: single-stage call
- Lump sum funding



Further information



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Support to applicants – Horizon Europe Info days

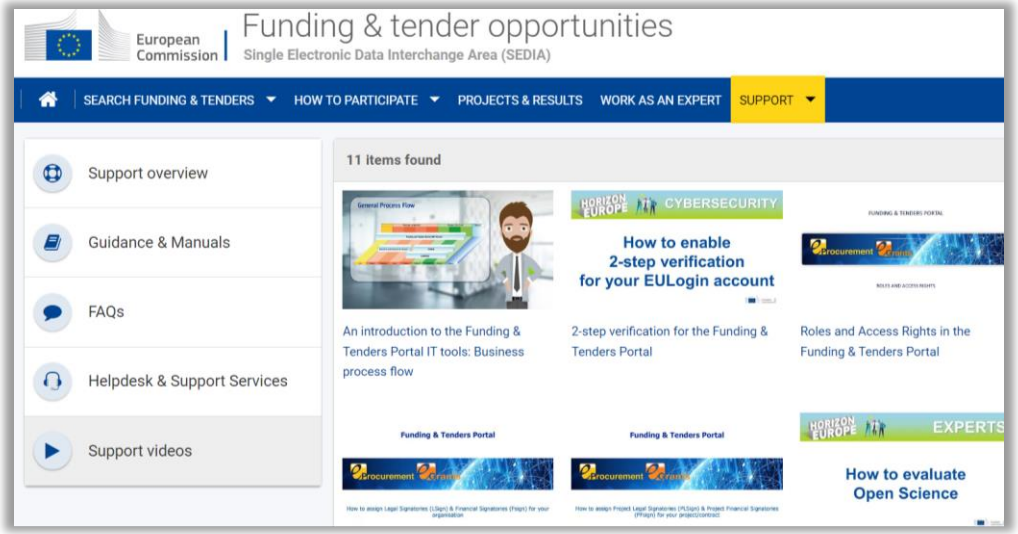
- **Horizontal Actions:** 16 October 2026
- **Cluster 5:** 19 November 2026
- **Cluster 6:** 13-14 January 2027
- **Brokerage event Cluster 6:** 15 January 2027
- **Missions Info days:** 27-28 January 2027 (TBC)
- **NCP4Mission Brokerage event** (around the info day)
- **MIP4Adapt Matchmaking event** between regions and local authorities and R&I actors - *February 2027 (TBC)*



Funding and Tenders Portal

General guidance on Horizon Europe and EU Funding & Tenders Portal

- WP 2026-2027 General Intro
- WP 2026-2027
- HE WP General Annexes
- HE Programme Guide
- Helpdesk & support
- Any questions? Contact the **Research Enquiry Service** (RES) for any general question on Horizon Europe



Funding and Tenders Portal - new features

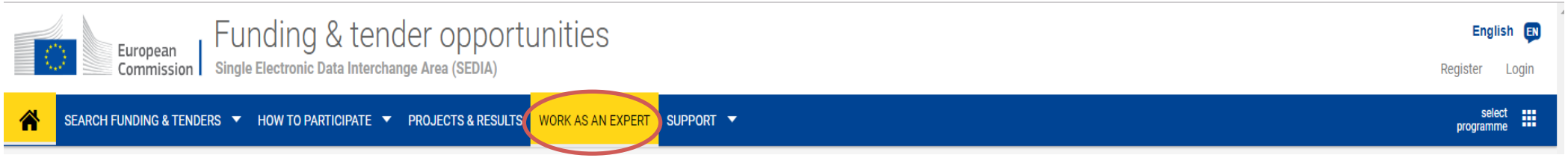
- **Programme pages and FAQ** are multilingual
- **Partner search** – some enhancements to seek proposal partners
- **Projects & Results** – shows data on EU funded projects including programme specific "dashboards" (statistics & graphics)
- **Mandatory use of two-factor authentication** (role out in 2026) – 2FA information / IT Helpdesk
- **Revamped 'My Area'** – Notifications, subscriptions, bookmarks,…
- **SME wizard** – self-assessment tool to determine if you qualify as SME

We are looking for new experts!

Become an evaluator or rapporteur!

Sign up now

Be aware about CoI if you intend to submit a proposal!



Work as an expert | EU Funding & Tenders Portal

European Commission

Thank you

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