



EUROPEAN UNION



EU MISSIONS

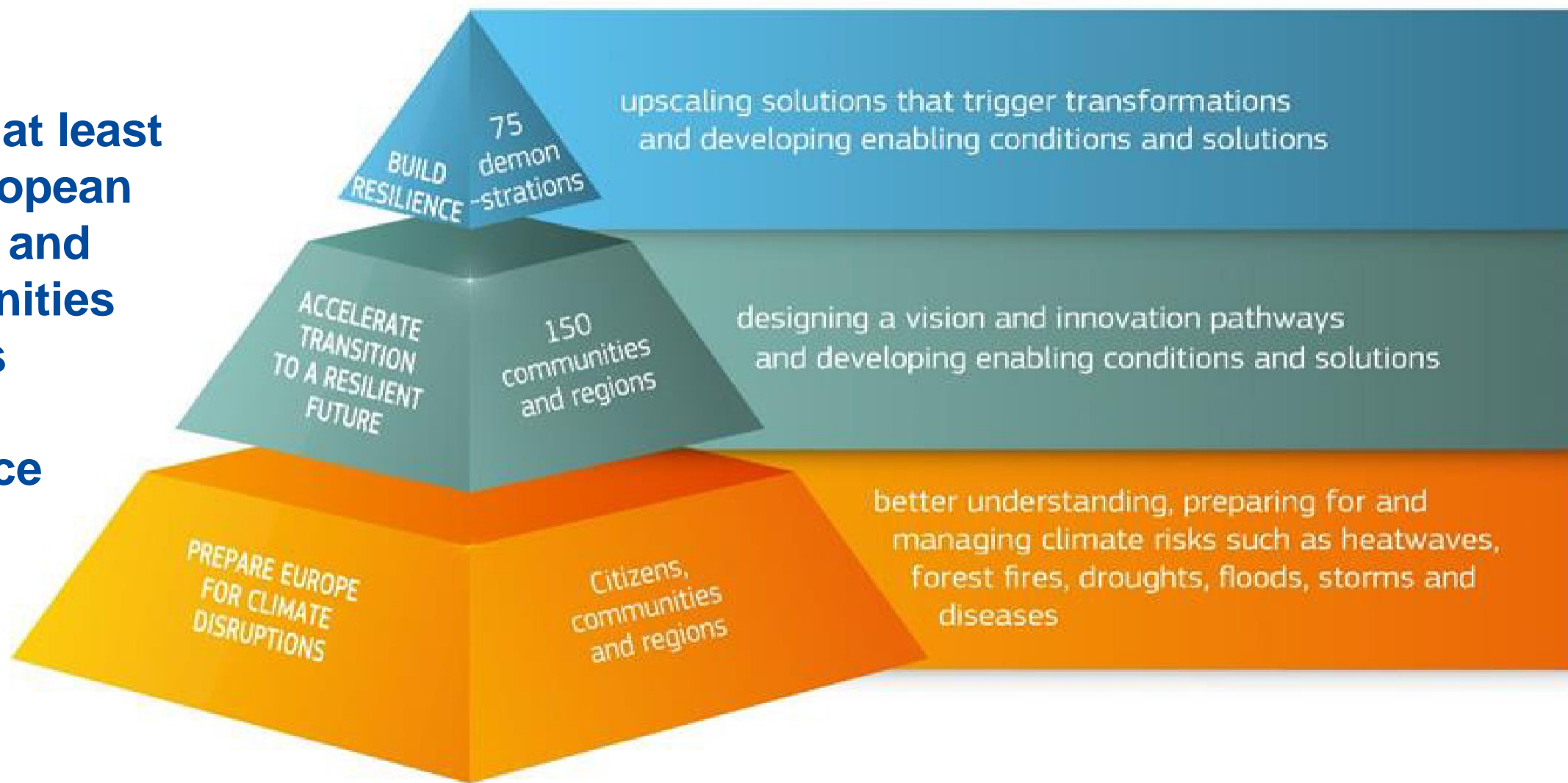
ADAPTATION TO CLIMATE CHANGE

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#EUmissions #HorizonEU #MissionClimate



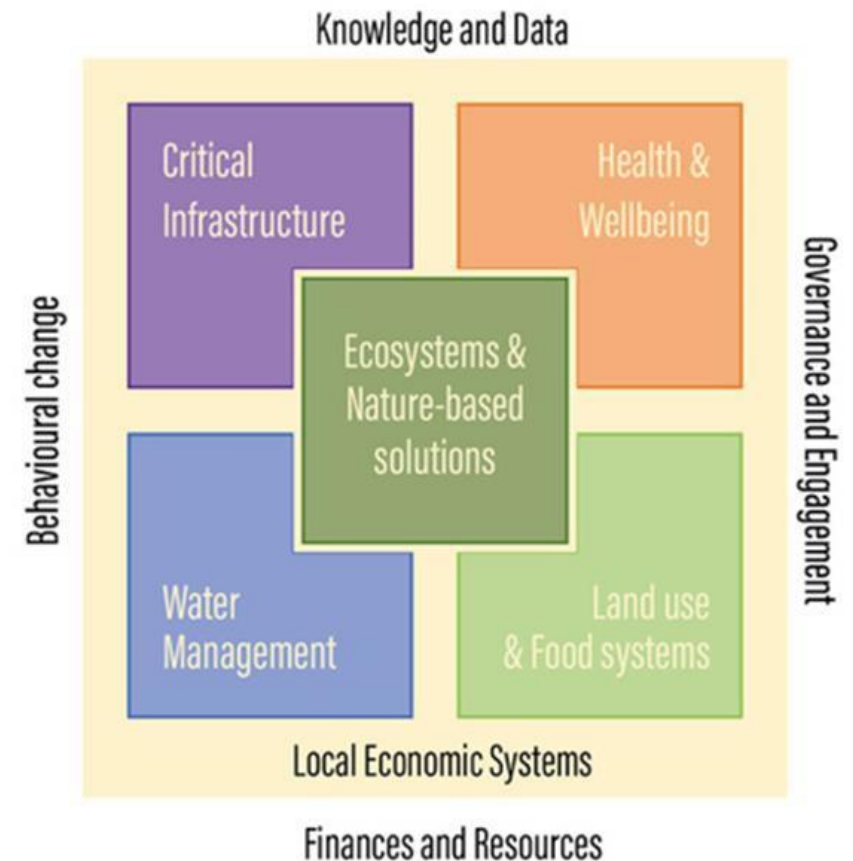
**To help at least
150 European
regions and
communities
towards
climate
resilience
by
2030**





Mission Approach:

- Collecting best available knowledge and experimenting on **enabling conditions**, e.g.:
 - User driven applications for end users focusing on climate impacts, data and knowledge
 - Unlocking of financial resources for investments into climate resilience
 - Best practices on and piloting insurance solutions for climate adaptation
 - Transformation of regional economic systems for climate resilience and sustainability
- Demonstrating innovative solutions to transform one or more of the **key systems** into more climate resilient system, at scale, in real life, in regions/ cities/communities, in line with the national / regional adaptation plans, ensuring citizens and stakeholder engagement, with a view to sustain the solution in place after the end of the project.





Horizon Europe Work Programme 21:

9 projects starting in early 2023

- A common climate risk assessment framework + support to 50 regions to implement it
- Support to develop local climate resilience building strategies and plans to 100 regions
- Two large scale demonstrations taking place in the regions



Horizon Europe Work Programme 21:

9 projects starting in early 2023

R4C	Regions4Climate
CLIMAAX	CLIMAtE risk and vulnerability Assessment framework and toolbox
RESIST	Regions for climate change resilience through Innovation, Science and Technology
PEERS	Co-developing pathways towards Climate resilient regions in Europe
ICARIA	Improving ClimAtE Resilience of critical Assets
MIRACA	Multi-hazard Infrastructure Risk Assessment for Climate Adaptation
AGORA	A Gathering place to co-design and co-create Adaptation
RISKADAPT	Asset Level Modelling of RISks In the Face of Climate Induced Extreme Events and ADAPTtation
CLIMAS	CLIMAtE change citizens engagement toolbox for dealing with Societal resilience



Horizon Europe Work Programme 22:

RIAs:

- Support with research on each of the enabling conditions
- Support regions and communities in testing new approaches

IAs

- Test innovative climate resilience solutions with a large cohort of regions and communities
- Synergies with Ocean Mission on coastal resilience in the Atlantic/ Arctic

Calls closed on 27th September

Portfolio approach:

Projects will be selected to assure best possible coverage of the different biogeographical areas (for this purpose, proposals were asked indicate the area of focus)



Horizon Europe Work Programme 22:

VALORADA	HORIZON-MISS-2022-CLIMA-01-01
ClimEmpower	HORIZON-MISS-2022-CLIMA-01-01
OCEANIDS	HORIZON-MISS-2022-CLIMA-01-01



Horizon Europe WP 23 Overarching Principles:

- **Focus on Demonstrations:**

- to take place in at least 4 regions/ communities located in at least 3 MS / Associated countries (not exclusively Charter signatories)
- to include at least 3 replicating regions/ communities interested in reapplying the lessons learnt (totally, partially or with the required adjustments)

- **Portfolio approach:**

Projects will be selected to assure best possible coverage of the different biogeographical areas; for this purpose proposals should indicate the area of focus

Seal of excellence will be awarded



Horizon Europe WP23: adopted on 6/12

Calls will be closing 20th September 2023

30 million EUR (3 projects – 8-10 million EUR):

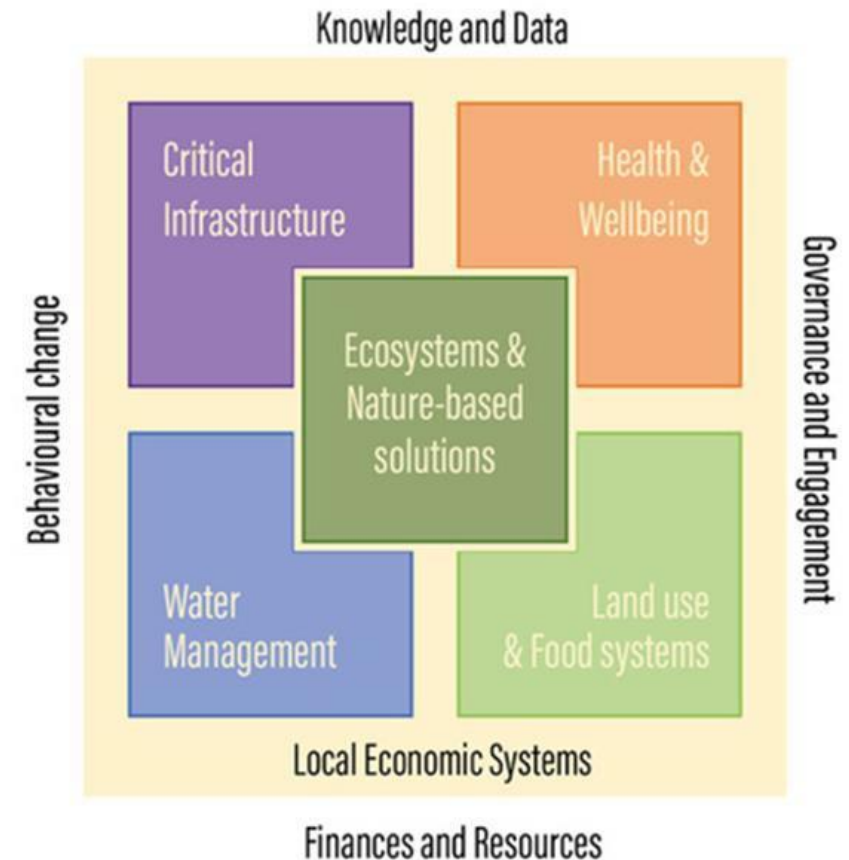
Supporting regions and local authorities with testing and demonstrating transformative solutions increasing climate resilience of the agriculture and/or forestry sector:

35 million EUR (3 projects – 8-11 million EUR):

Supporting regions and local authorities with testing and demonstrating of solutions to protect critical infrastructure from climate change, mainstreaming nature based solutions.

18 million EUR (3 projects – 4.5-6 million EUR):

Supporting regions and local authorities with testing and demonstrating of solutions to build resilience towards health risks caused by the effects of climate change.





Horizon Europe WP23: adopted on 6/12

40 million EUR (4 projects – 10-12 million EUR):

Joint demonstration with the Cities Mission:

Integrated planning for urban greening and re-naturing for urban regeneration, resilience and climate neutrality – **ddl 27 April 23**

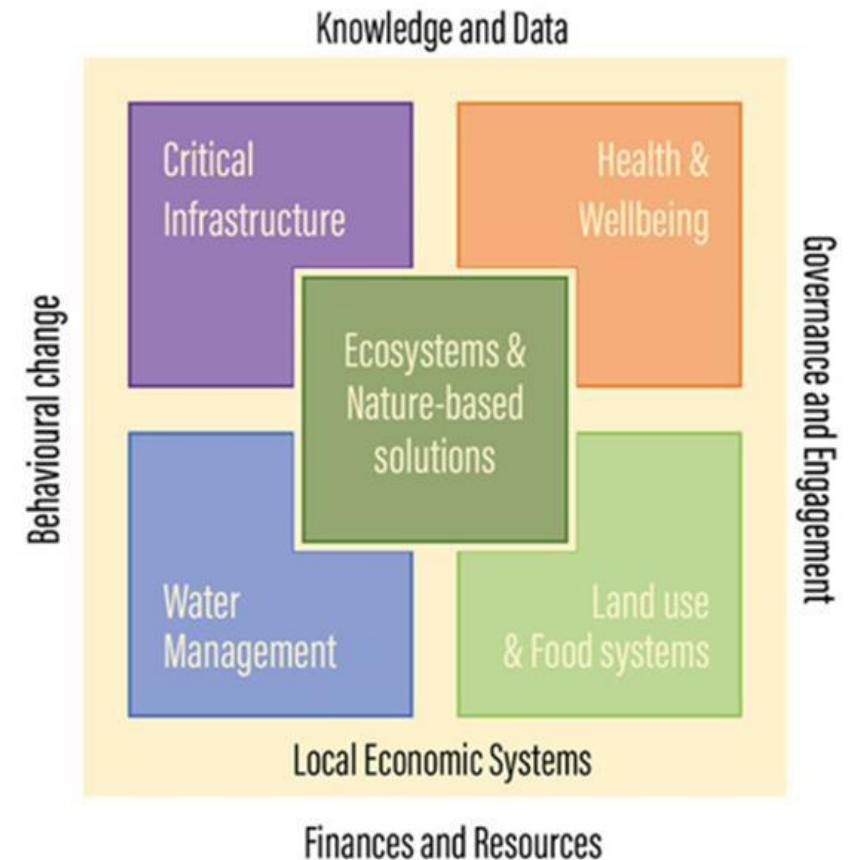
Call closing 27th April 2023

15 million EUR (1 projects – 15 million EUR):

Joint demonstration with the Ocean Mission and the Soil Mission:

Demonstrate at regional scale an integrated approach to increasing landscape water retention capacity – **ddl 20 Sept 23**

Call closing 20th September 2023





EUROPEAN UNION



Mission Board



Mission Board

Implementing the Mission

- Establish links between the Mission and other initiatives
- Engage with national and regional authorities and Mission Projects
- Provide advice on mobilisation of funds
- Provide operational advice

Communication and outreach

- Act as Mission ambassadors
- Participate in events
- Share Mission content on social media

Mid-term review

- Provide input for the forthcoming consultation

First Name	Surname	Nationality	Comments
Connie	Hedegaard	Denmark	
Hein	Pieper	Netherlands	Former Board member, experience and responsibility in water management at the highest level (Dijkgraaf), experience with bank investments in water management and adaptation. Public sector.
Karim	Selouane	France	Adaptation and Sustainability manager for a building company. Expertise: Infrastructure, land planning. Private sector.
Antonella	Morgillo	Italy	Expert for the peer review program for the DG ECHO. Expert user of the Copernicus Emergency Service for flood, fire and other natural risks - Expertise in Physics. Expertise: Disaster Risk Reduction, Civil Protection. Public sector.
Jose V.	Segarra Murria	Spain	Climate pact ambassador, outreach to citizens. Private sector.
Georg	Teutsch	Germany	Retired from Helmholtz in March 2022. Long standing research experience in adaptation. Expertise: Water management, Climate Impacts. Public sector.
Johan	Rockström	Sweden	Former Board Member, advisor to several European governments. Expertise: Ecology, agriculture, planetary boundaries. Public sector.
Eleni	Myrivili	Greece	Europe's first Chief Heat Officer. Expertise: Heat Resilience, Urban Resilience. Public sector.
Barbara	Widera	Poland	Member of Expert Group on Research and Innovation for the New European Bauhaus; Expertise: Buildings, architecture, sustainable built-in environment. Public sector.
Svetlana	Zhekova	Bulgaria	Former Minister of Environment and Water, former Director of a Managing Authority for Cohesion Funds. Expertise: climate change and environment, policy implementation, UNDP and international fora. Public sector.
Taina	Tukiainen	Finland	Professor for sustainable leadership, career in academia, private sector and public domain, worked as environment and sustainability expert for CoR. Expertise: business, leadership, sustainable innovation, CoR. Public sector.
Zita	Sebesvari	Hungary	Lead IPCC author for the Oceans & Cryosphere part. Expertise: climate risk insurance, risk reduction, adaptation and risk assessments. Public sector.
Shane	Ward	Ireland	Professor of Biosystems Engineering, has excellent knowledge about adaptation in agriculture.
Siret	Talve	Estonia	Previously advisor in the Agriculture Ministry, now in the Economics Ministry. Specialist on circular economy, rural policies. Expertise: circular economy, rural policy, food and agri policy. Public sector.
Georgios	Boustras	Cyprus	Disaster risk management specialist, leading one of the biggest risk assessment institutes in Europe. Expertise: risk assessment, societal safety, occupational safety, fires prevention. Public / Private/spinoff university sectors.



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Other updates on the mission



The Mission Charter

To be part of a **community of practice** and to:

- Access knowledge & methods on climate risk assessments
- Access latest research results on adaptation
- Get help on connecting these research results with local adaptation plans, roadmaps or adaptation pathways
- Access tools and best practices to interact and engage with citizens
- Get advice on possible public and private funding sources for adaptation

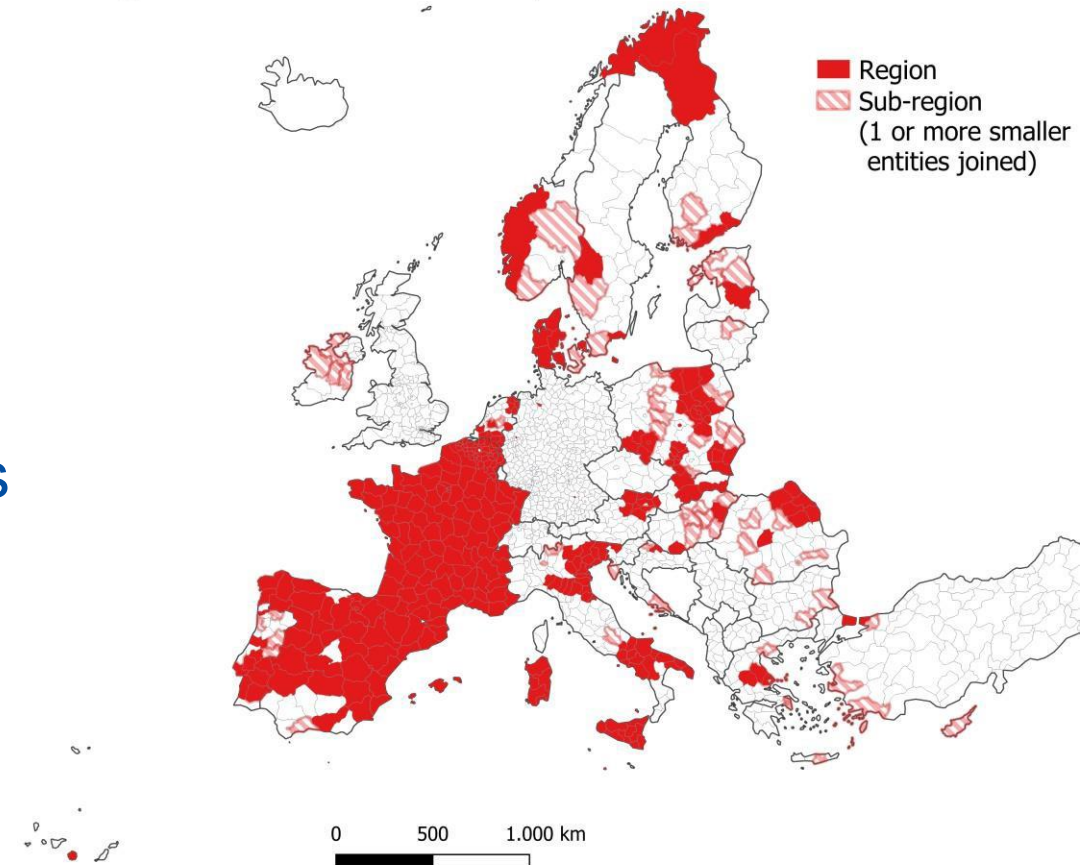
NETWORK, SHARE, LEARN, SUPPORT, GET HELP



Mission Charter Signatories

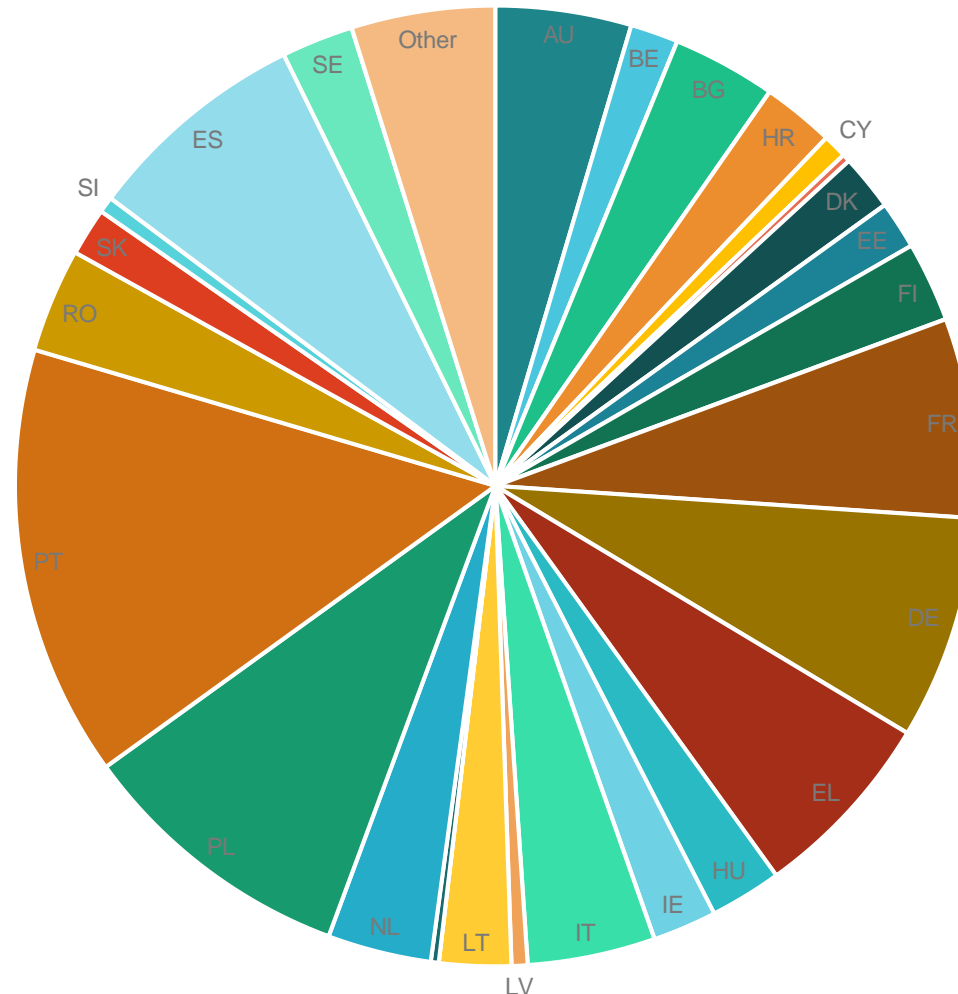
- **First and Second Batch: 215 Signatories**
- **Expression of Interest closed 25/11: 374 potential signatories**
- **Diverse range of geographical characteristics and population sizes**

Signatories of the Adaptation Mission Charter





Regions/communities in more than 30 countries



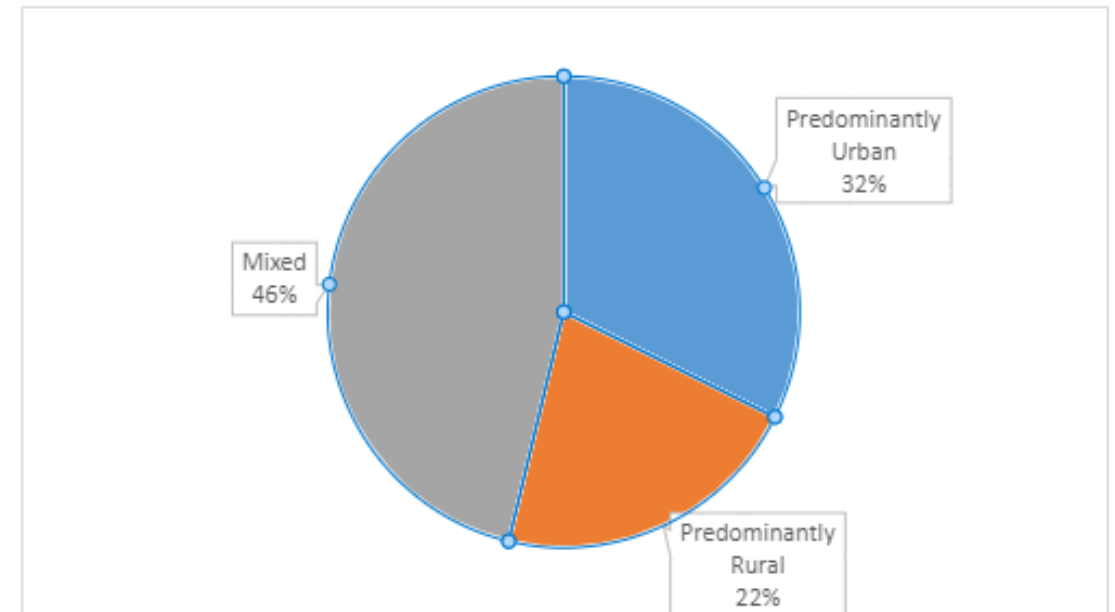
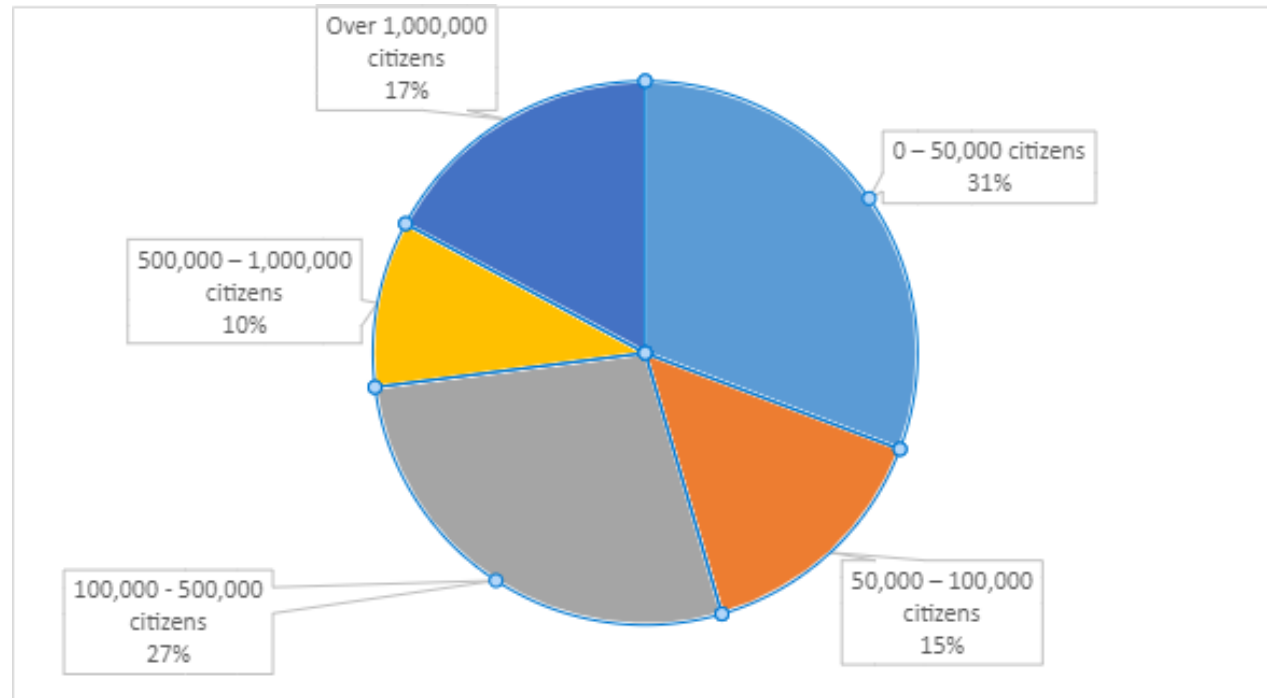
**Potential signatories
after closing of EU
survey:**

- **26 Member States**
- **5 associated countries**

Charter Signatories

Along expression of interest, information from respondents was collected to:

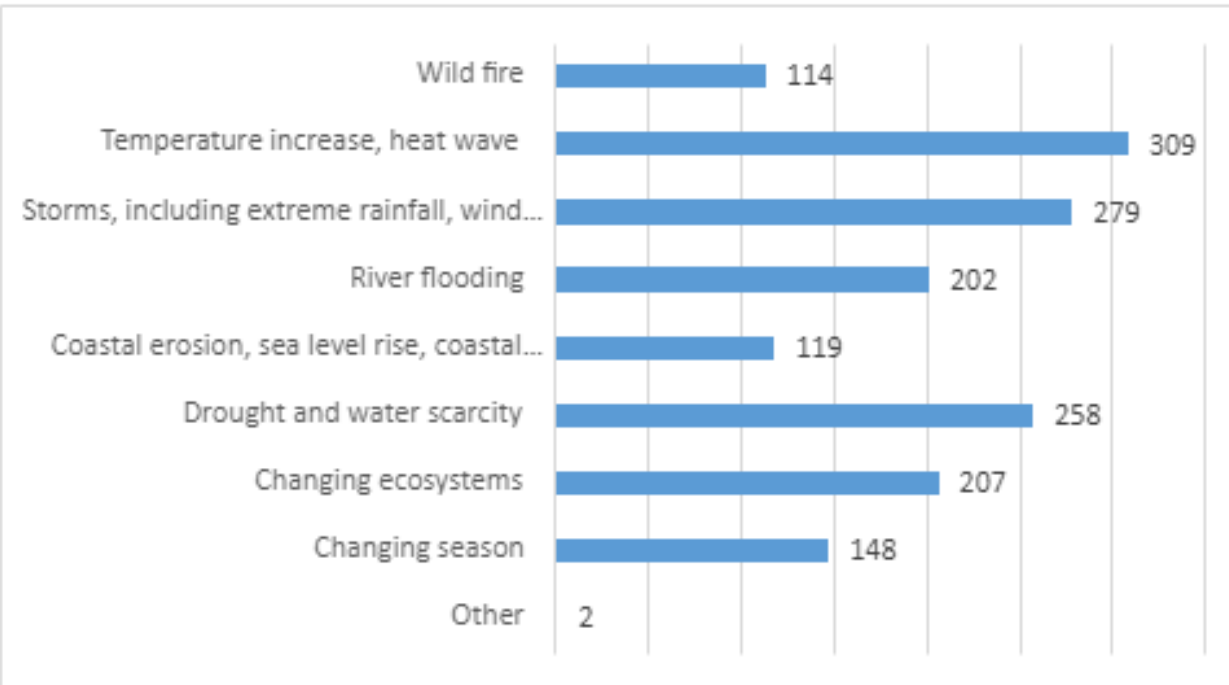
- Understand key issues and challenges faced by local and regional authorities in adapting to the impacts of climate change.
- Feed into the Mission Community of Practice (early 2023)



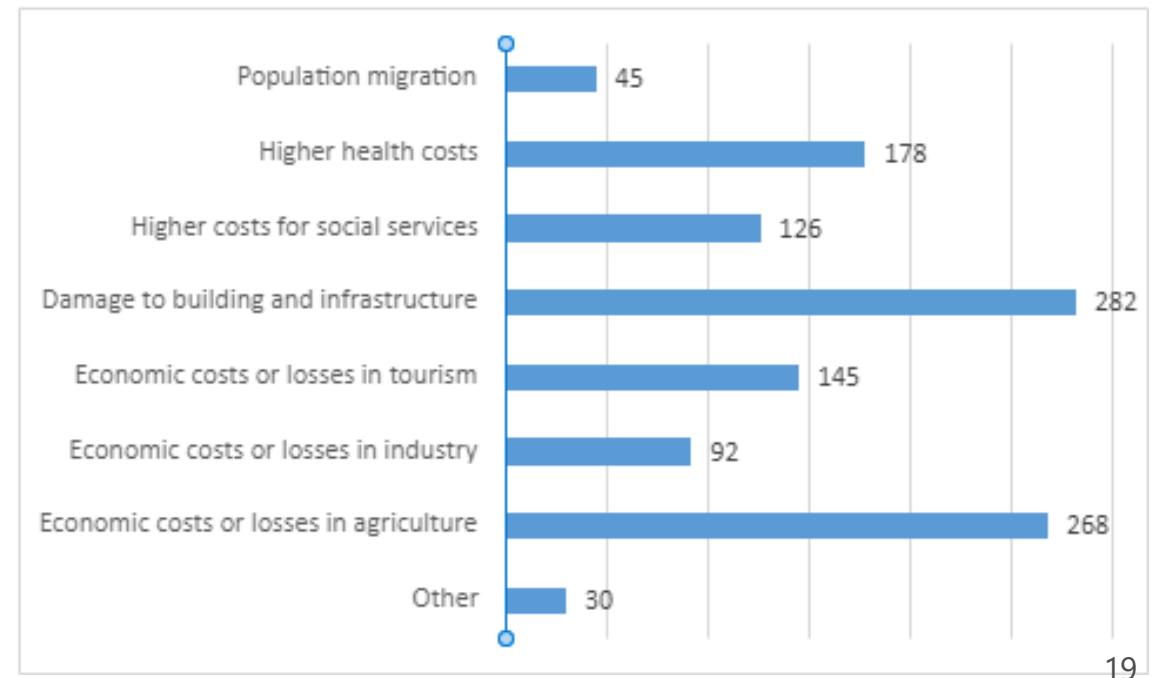


Survey Results - impacts

Physical impacts



Social and economic impacts





Survey Results – challenges and needs

Challenges	% of Total Signatories
Political support	39%
Financial resources	93%
Scientific data, risk assessment	49%
Support of the regional/local community	42%
Citizens' support	39%
I don't know	1%
Other	11%

Specific Needs	% of Total Signatories
Risk assessment	56%
Cross-border cooperation	48%
Financial advice	61%
Knowledge	69%
Research	56%
Private sector support	54%
Support at national level	62%
Other	7%



Survey Results – funding sources of adaptation

Sources of adaptation financing	I have used	I intend to use	I know	I don't know
European Cohesion Policy funds (ERDF, Interreg)	12	5	2	4
LIFE programme	8	7	6	2
European Rural Development funds	8	2	8	5
Horizon Europe	3	15	5	0
Other EU fund	3	6	5	9
European Investment Bank financing	3	0	7	13
Private/commercial banking financing	2	2	7	12
National funds	11	2	5	5
Regional funds	13	2	6	2
Own local funds	13	5	2	3
Other	0	0	1	22



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An icon showing a stylized globe with a thermometer overlaid on it, indicating climate change.

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ADAPTATION TO CLIMATE CHANGE



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