



EUROPEAN UNION



EU MISSIONS

ADAPTATION TO CLIMATE CHANGE

Community of Practice



#EUmissions #HorizonEU #MissionClimateAdaptation

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Matchmaking regions and R&I actors for the 2024 Mission call

June 5th, 10:00h CET

Agenda

Duration (min)	Agenda item
5	Welcome and opening remarks
10	Overview of existing Mission Adaptation calls opportunities
10	Experiences from existing demonstration sites
70	Matchmaking session
10	NCP role and support
15	Wrap up in plenary and closing remarks

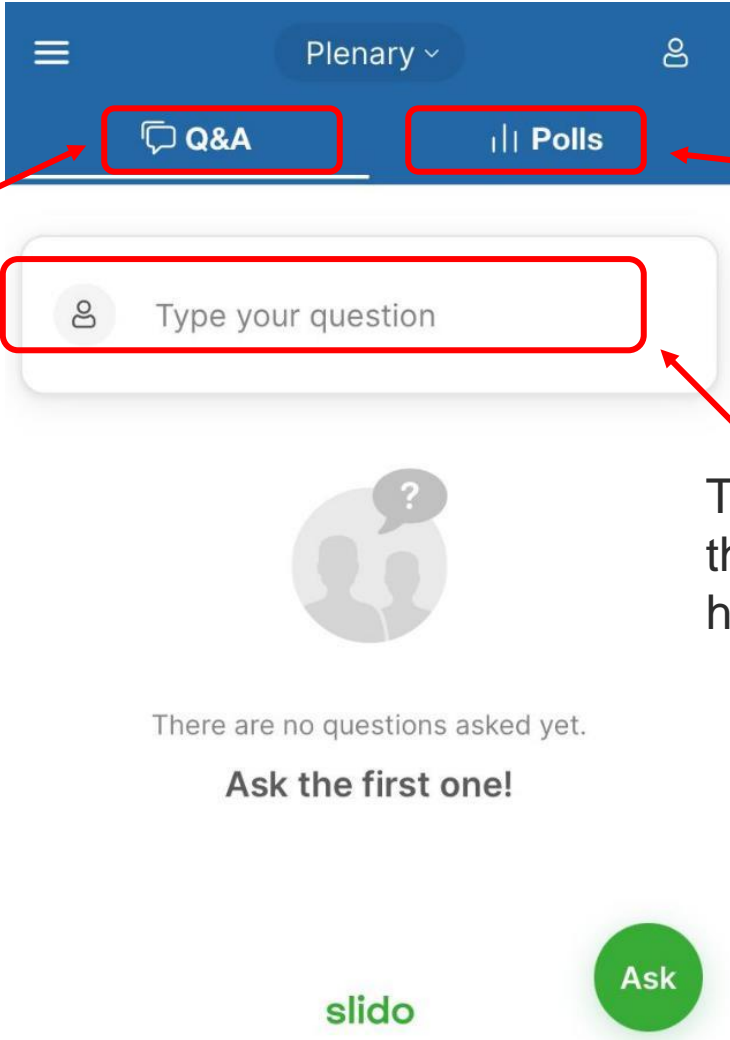
Housekeeping

- The working language of the meeting is English.
- Please note that the meeting is being recorded. The recordings will be available at a later stage after processing. Breakout group discussions will not be recorded.
- Please keep your microphone muted unless you are speaking. Please unmute and turn your camera on during the Q&A session. The mute and camera icons are at the bottom-left of the screen.
- To indicate that you would like to take the floor, please use the raise hand option or type in the chat window your name and organisation (sending the message to 'Everyone'). The chat window is at the bottom centre of the screen.



Slido

In the app, or on the website, you can answer the poll questions, or enter questions in the Q&A tab.



Click here to ask a question.

Click here for the polls.

Type your answers to the poll questions here.

slido **Ask**





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Overview of existing Mission Adaptation calls opportunities

Federico Porrà
Mission Secretariat



Projects: 2024 call - closing 18 September

- 124 M€
- 9 topics
 - Bringing actionable solutions to the regions (CSA)
 - Multi-level governance – creation of national hubs (CSA)
 - 4 demonstration topics
 - Improve bankability of solutions (mitigation & adaptation)
 - Rural areas and small/medium size communities
 - Most vulnerable groups
 - Systemic & cross sectoral
 - 3 Research topics
 - Incl. on monitoring

Today's focus

Topic	Action description	Type of action	Budget In million EUR
HORIZON-MISS-2024-CLIMA-01-01	Bringing available and actionable solutions for climate adaptation to the knowledge of the regions and local authorities	CSA	2
HORIZON-MISS-2024-CLIMA-01-02	Bringing together the national level with the engaged regional and local levels (multi-level governance)	CSA	4
HORIZON-MISS-2024-CLIMA-01-03	Develop and refine outcome indicators to measure progress on climate resilience at national, regional and local levels, including knowledge and feedback developed from the Mission	RIA	2.97
HORIZON-MISS-2024-CLIMA-01-04	Research the complex interplay between the climate and biodiversity crises towards more systemic approaches and solutions	RIA	8
HORIZON-MISS-2024-CLIMA-01-05	Improve design for transformative approaches and build local capacity for implementation of available solutions focused on climate adaptation	RIA	8
HORIZON-MISS-2024-CLIMA-01-06	Demonstration of approaches to improve bankability of solutions by design, addressing the co-benefits (mitigation and adaptation) to improve revenues streams	IA	27
HORIZON-MISS-2024-CLIMA-01-07	Demonstration of solutions specifically suited to rural areas and small/ medium size population local communities	IA	22.5
HORIZON-MISS-2024-CLIMA-01-08	Demonstration of approaches by regions and local authorities focused on increasing climate resilience of the most vulnerable social groups (just climate resilience)	IA	22.5
HORIZON-MISS-2024-CLIMA-01-09	Systemic and cross-sectoral solutions for climate resilience, tailored to the local needs of regions and local authorities	IA	27



Overarching Principles for the demonstrations:

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

HORIZON-MISS-2024-CLIMA-01-06: Demonstration of approaches to improve bankability of solutions by design, addressing the co-benefits (mitigation and adaptation) to improve revenues streams

Budget: total 27 million EUR – 3 projects – around 9 million EUR/project

Type: Innovation Action

Expected Outcome:

- Improvements in the way bankability of solutions is looked at and assessed by the private and public investors;
- Private investors direct participation in the Mission is significantly increased, stimulating increased private (co-)financing of climate adaptation;
- Regions and local authorities have been involved in the development and testing and assured to maintain the solutions in place for the future, beyond the implementation duration of the project.

HORIZON-MISS-2024-CLIMA-01-06: Demonstration of approaches to improve bankability of solutions by design, addressing the co-benefits (mitigation and adaptation) to improve revenues streams

Scope:

- Identify financially valuable cases of climate projects including climate adaptation dimension on top of other benefits, safeguarding the do-not significant harm principle.
- Develop and test solutions that deliver at once an increase of the resilience and adaptation capacity to climate change in the involved regions, cities, local authorities, while also contributing to reduce or neutralise carbon emissions, improve water efficiency and/or safeguard biodiversity.
- Include business and/ or investor partners and private sector actors interested to invest the project and that will assure to maintain the solutions in place beyond the duration of the project.



HORIZON-MISS-2024-CLIMA-01-07: Demonstration of solutions specifically suited to rural areas and small/ medium size population local communities

Budget: total 22.5 million EUR – 3 projects – around 7.5 million EUR/project

Type: Innovation Action

Expected Outcome:

- Rural areas are examples of better prepared to the anticipated effects of climate change as they have experimented interventions that increase resilience;
- Small and medium size local communities have been directly involved in development and testing of a transformative solutions, which improve their capacity to identify and implement solutions that improve climate resilience of their territories.

HORIZON-MISS-2024-CLIMA-01-07: Demonstration of solutions specifically suited to rural areas and small/ medium size population local communities

Scope:

- Identify approaches and innovative solutions leading to an increase of the resilience and adaptation capacity to climate change which are particularly suitable for implementation by small and medium local authorities and the rural context. Nature-based solutions should be explored as priority
- Support small and medium local authorities to close skills gaps and strengthen in-house capabilities for adaptation
- Include specific considerations on how to facilitate engagement of small and medium-sized local authorities or at least how their needs are reflected.



HORIZON-MISS-2024-CLIMA-01-08: Demonstration of approaches by regions and local authorities focused on increasing climate resilience of the most vulnerable social groups (just climate resilience)

Budget: total 22.5 million EUR – 3 projects – around 7.5 million EUR/project

Type: Innovation Action

Expected Outcome:

- Examples of equitable adaptation measures fostering just resilience transformation are made available for replication;
- Appropriate guidance for decision-makers is produced on equitable adaptation options design and implementation, shared and made available for wide reapplication;
- Regional and local public administrations increase their capacity to involve, understand and cater for the needs of vulnerable and marginalised groups.



HORIZON-MISS-2024-CLIMA-01-08: Demonstration of approaches by regions and local authorities focused on increasing climate resilience of the most vulnerable social groups (just climate resilience)

Scope:

- Identify, develop, test and demonstrate equitable adaptation actions and solutions, addressing specific climate vulnerabilities identified as relevant at regional and local scale, taking into account place-based data, socio-economic, and local governance.
- Address how the most vulnerable groups in relation to their age, health or socio-economic status would be catered for.
- Regional and/or local authorities should be directly involved in the development of equity-oriented policies and measures - specific considerations should be included on how to ensure that insights from the target group are reflected; how solutions can be co-designed with them; and on how the outcomes and results can be used on the ground.



HORIZON-MISS-2024-CLIMA-01-09: Systemic and cross-sectoral solutions for climate resilience, tailored to the local needs of regions and local authorities

Budget: total 27 million EUR – 3 projects – around 9 million EUR/project

Type: Innovation Action

Expected Outcome:

- Foresight capacity within public administrations is increased, disruptions linked to climate change are better anticipated and prepared for;
- Cross-sectorial climate resilience solutions, that can systematically transform our society and support its preparedness to climate change, have been developed, tested and brought closer to the market.

HORIZON-MISS-2024-CLIMA-01-09: Systemic and cross-sectoral solutions for climate resilience, tailored to the local needs of regions and local authorities

Scope:

- Integrate multi-faceted technological, digital, business, governance and environmental aspects with social innovation into the development of solutions contributing to increase preparedness to changing climate.
- Go far beyond addressing a specific sector, addressing wide-ranging impacts, take a systemic approach, looking at the interconnections and interdependencies between them.
- Look how to minimize trade-offs and maximise co-benefits and opportunities of a systemic approach. Go beyond theoretical research and understanding; turn into operational and practical insights and tangible solutions experimented on the regional and local grounds. Consider how to turn into new standards so to allow faster uptake at scale.
- Mobilise and include all value chain actors, matching innovators and solutions providers with end-users/regions; foster the development of business models that can support the sustainability of the proposed solutions.



Important links

RECORDING of the Infodays session on Mission Adaptation: [EU Missions & cross-cutting activities: Adaptation to Climate Change Mission \(youtube.com\)](#)

National Contact Points (NCPs)

<https://horizoneuropencppportal.eu/ncp-networks/eu-missions/find-your-ncp>

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/support/ncp>

Work programme 24: [wp-12-missions_horizon-2023-2024_en.pdf \(europa.eu\)](#)

Funding & Tender Portal: <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/programmes/horizon>



Experiences from existing demonstration sites

Jonathan Schulze

Kreis Euskirchen



Land4Climate

EU Mission Adaptation Community of Practice

Jonathan Schulze

Introduction to the Climate Adaption Measures of the County of Euskirchen



Content

1. Climate risks of the County of Euskirchen
2. Land4Climate
3. Nature-based Solutions in practice

Climate risks of the County of Euskirchen

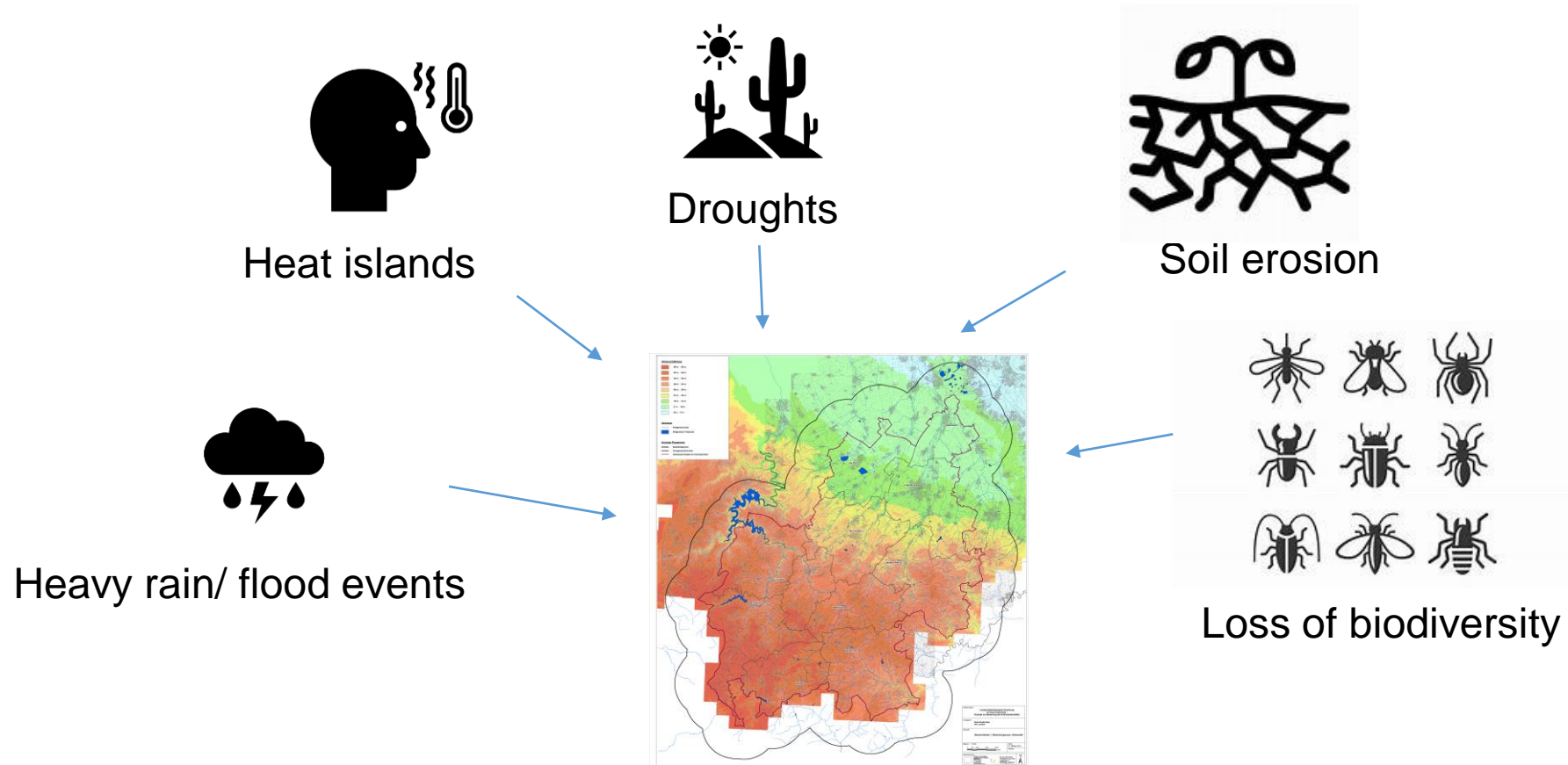


Figure: Map of the County of Euskirchen



What are nature-based solutions ?

Nature-based solutions are measures that protect, sustainably manage or restore nature with the aim of preserving or enhancing ecosystem services to address a variety of social, environmental and economic challenges.

(OECD POLICY PAPER NO. 21, 2020)

Nature-based Solutions

- They are multifunctional: many societal challenges can be tackled together (example: heat protection, floods, recreational areas, biodiversity)
- They should promote both biodiversity and human well-being
- Nature-based solutions are applicable to all ecosystems
- Nature-based solutions are individually dependent on the respective location in terms of their implementation and design (context-specific)
- Nature-based solutions can complement and/or replace conventional solutions

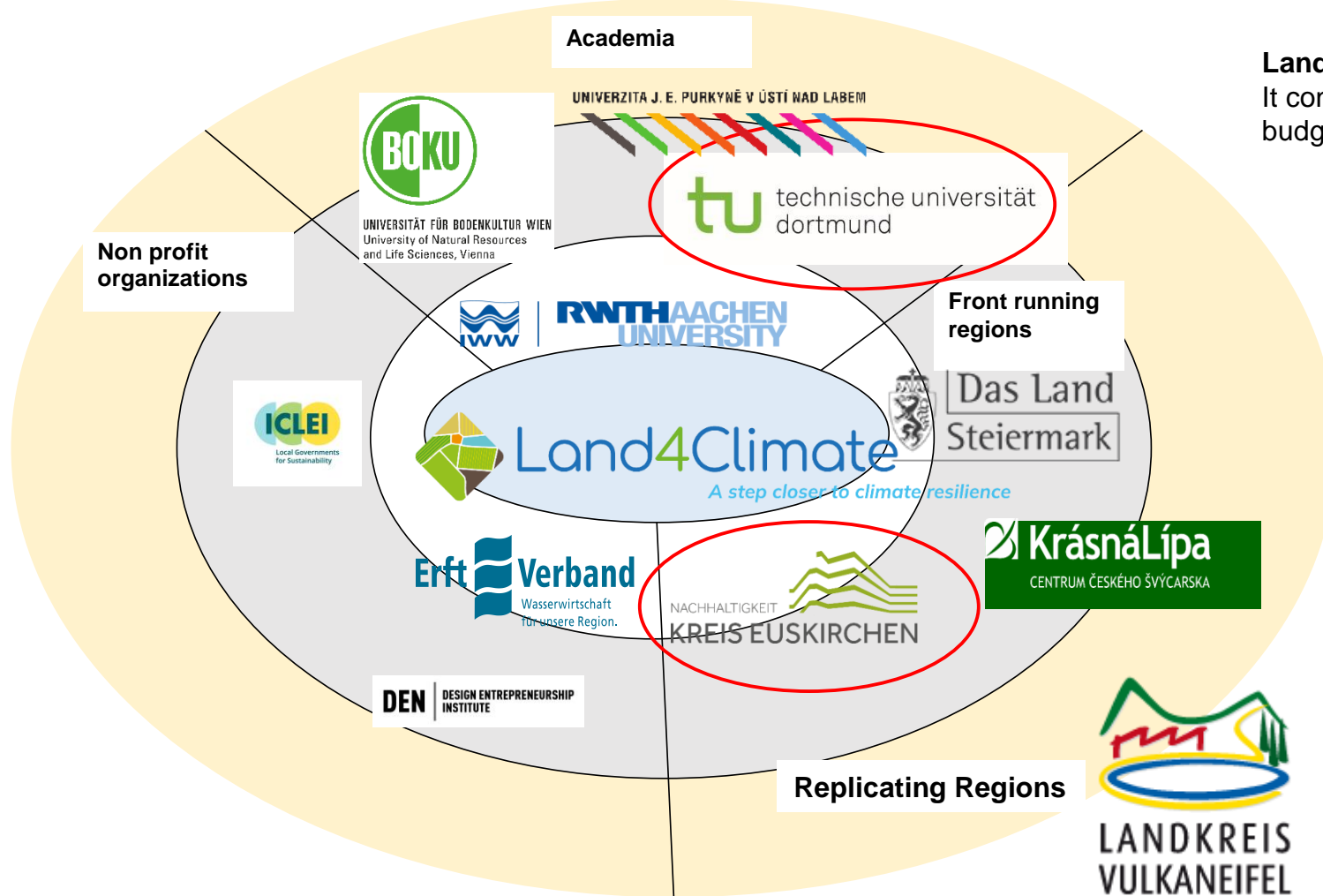
Sustainability strategy of our county

Topics:

- “Global Responsibility and One World”
- Good work and sustainable management
- Sustainable mobility
- Resource conservation and **climate impact adaptation**
- Housing and sustainable neighborhoods



Land4Climate at a Glance



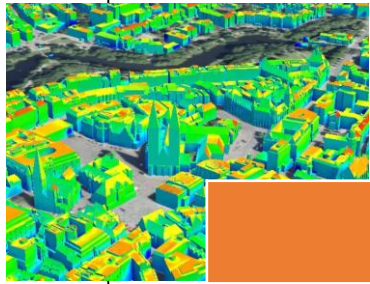
Land4climate is part of the EU Horizon Program. It consists of 17 partner institutions & has a total budget of 13 Millionen €.



Participating countries

1. Germany
2. Austria
3. Czech Republic
4. Italy
5. Romania
6. Slovakia

Project Conditions: Total budget 1.000.000 €, duration of project: 48 months, must be implemented on private land.



Urban Measures	Rural Measures
tiny forest,	reed grass
climate park	hedges
inner-city planting of plants in combination with the unsealing of sealed surfaces	orchard meadows



Ecological benefits of Reed Gras

Biodiversity

- Retreat for insects and wild animals

Floods

- Roots bind water

Climate protection

- Fast-growing plants store CO₂ in the soil

Improvement of soil

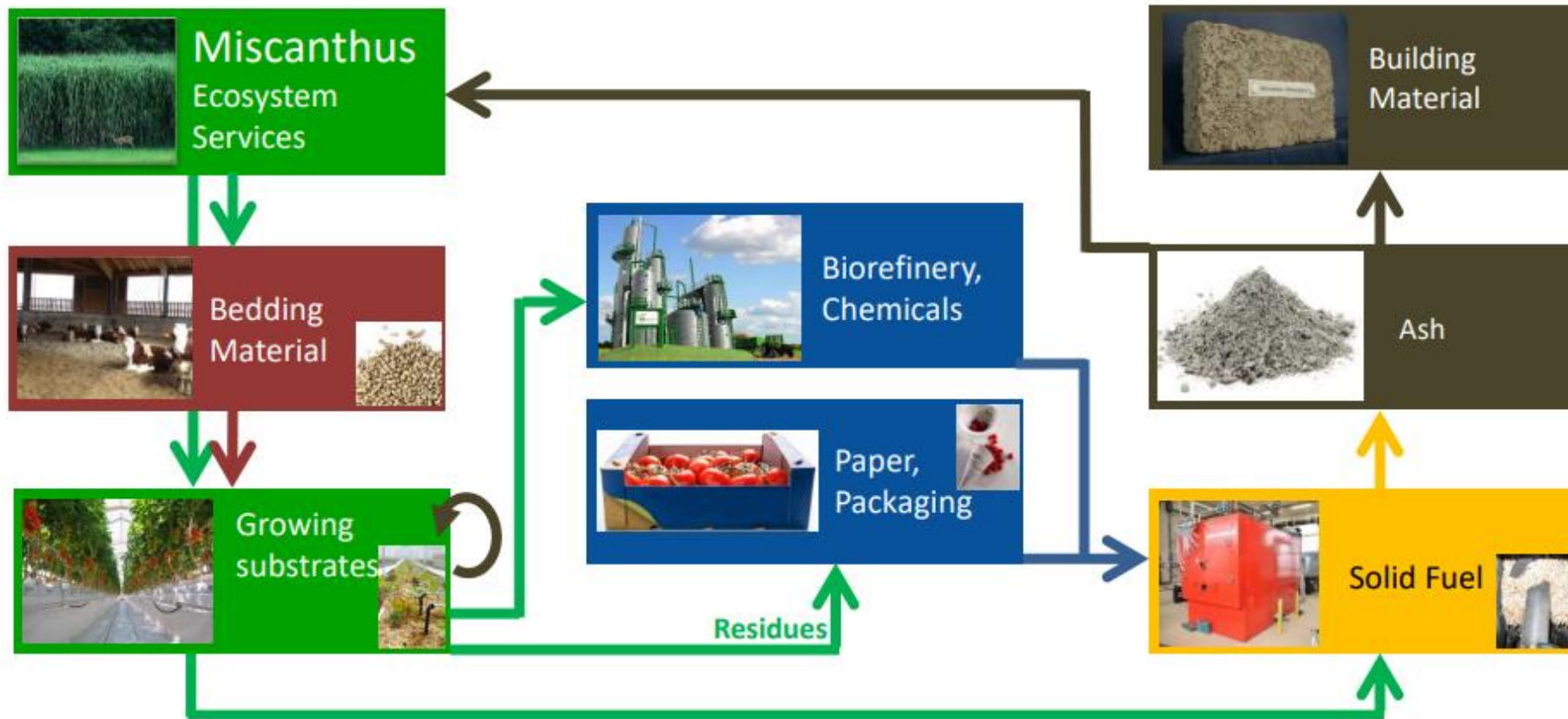
- Humus build-up through roots
- Protection against soil erosion

Water protection

- Roots filter nitrates and phosphorus



Processing options for reed gras / cascade use



What is a tiny forest & what is a climate park?



What are tiny forests?

- They are 100-500 m² of densely planted mini-forests
- Method for selective reforestation in densely populated areas
- Consist exclusively of native tree species
- After 2-3 years, resilient ecosystems emerge that can be left to their own devices
- Should be created in a participatory process

Tiny Forest: 3-4 seedlings per square meter



Before



After

Neglected areas

vs

Meeting point for natural diversity



Bild: WILA Bonn



Bild: WILA Bonn

Thank You!



**Funded by
the European Union**

LAND4CLIMATE has received funding from the European Union's Horizon Europe Programme for research and innovation under project number 101112781.

Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or CINEA. Neither the European Union nor the granting authority can be held responsible for them.



Experiences from existing demonstration sites

Francisco Solano Cobos Ruiz

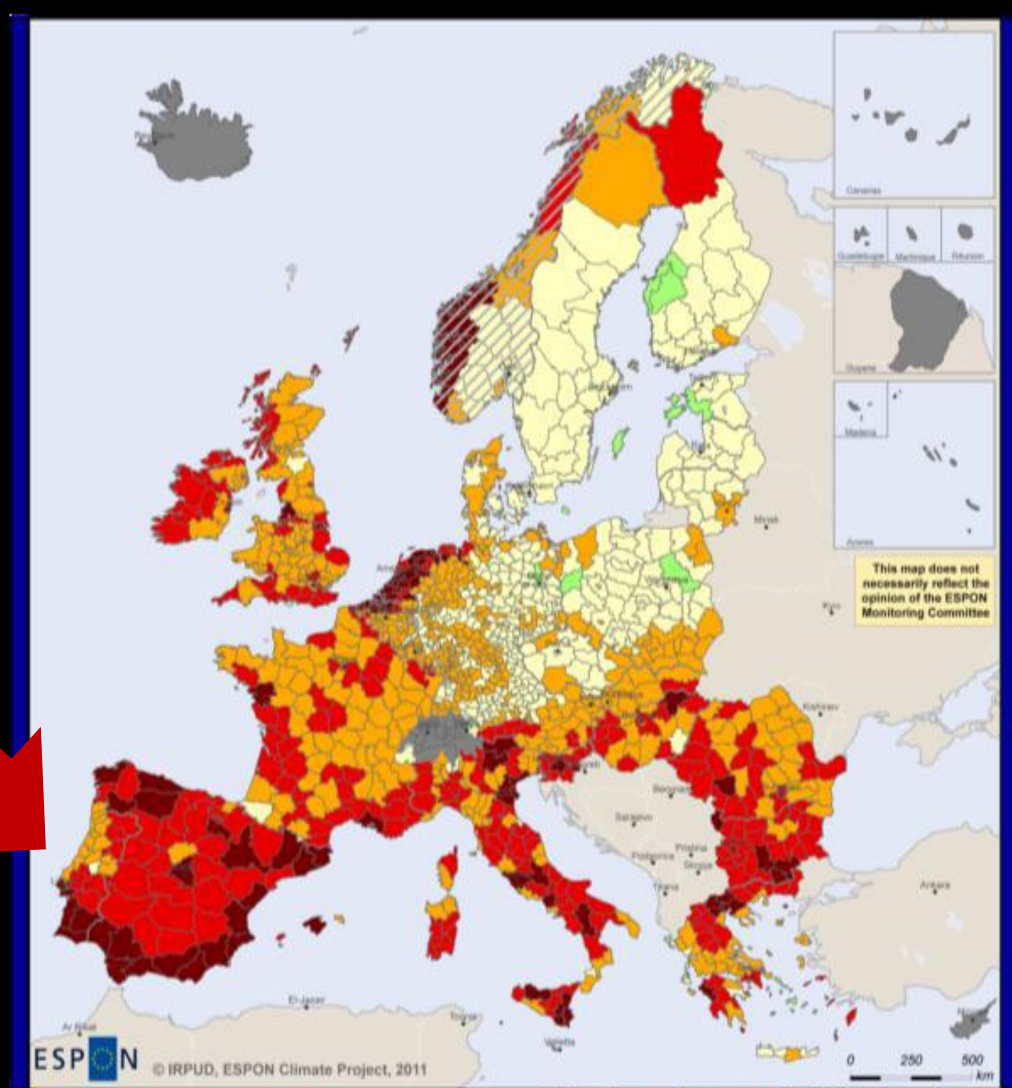
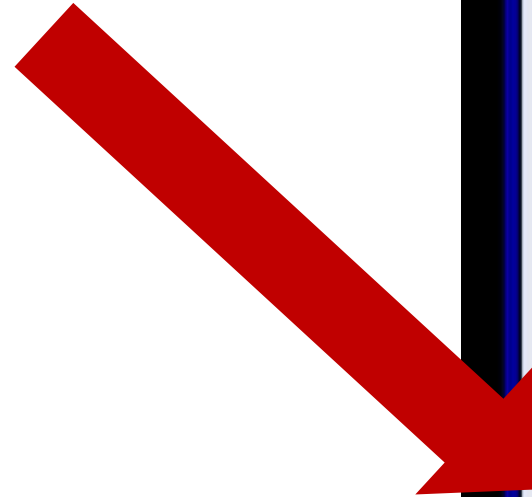
Environment and Water Agency Andalucia

Andalusia at a glance

- 8,5 millions inhabitants
- 87 000 square kilometres
- > 20% protected areas
- Highly vulnerable areas.

Pilot area: Western Costa del Sol

- 92% urban population
- 13 millions of tourist per year
- High variation of water demand
- Risk: Drought, floods, forest fires.



Weights coefficient of physical (weight 0.70), environmental (0.15), social (0.10), economic (0.05) and cultural (0.1) potential impacts of climate change. Weights are based on a Delphi survey of the ESPON Monitoring Committee.

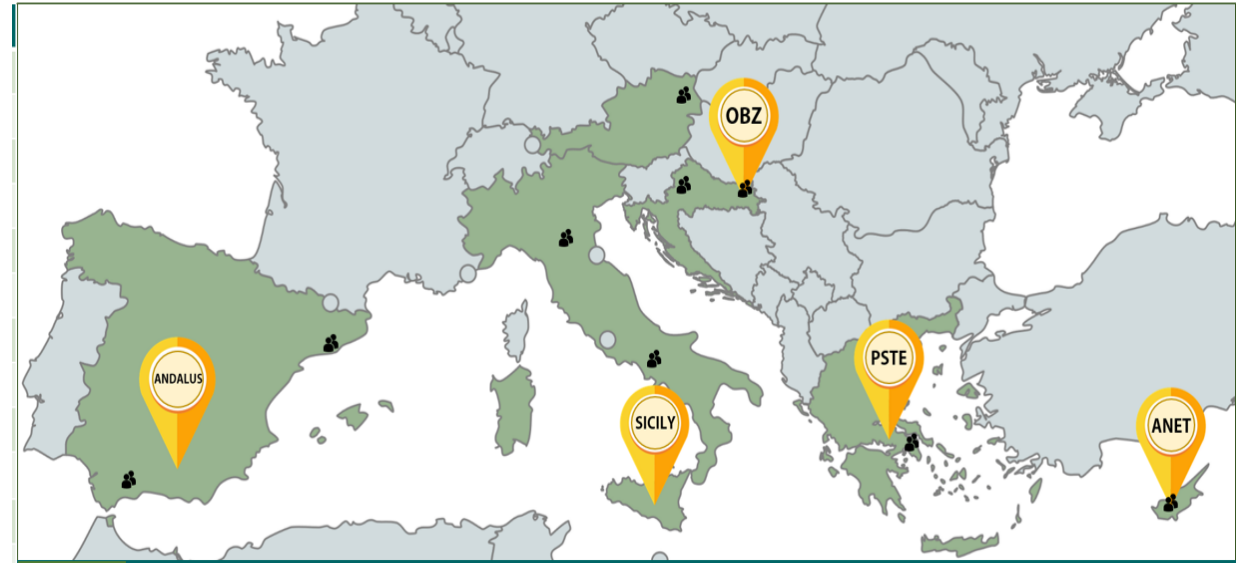
Index calculated as combination of regional exposure to climate change and rated climate regional sensitivity. Climate changes derived from combination of 1991-1999 and 2071-2100 climate projections from the ECHAM model for the IPCC SRES A1B scenario.

*For details see manual for results availability and Annex 1.

What is ClimEmpower?

HORIZON-MISS-2022-CLIMA-01-01.
User driven applications empowering regional resilience

Five regions + technological organizations = 14 partners



Objective: Increase regional resilience to climate change

By improving knowledge management

36 months, 3 MM€, 100% EU funding



Climempower: Tasks and activities

- Understand regional background, challenges and expectations
- Addressing the gap
- Developing data and model applications for end-users
- Empowering the users (regions)
- Enhancing the outreach and impact

Tasks and activities

- **Understand regional background, challenges and expectations**

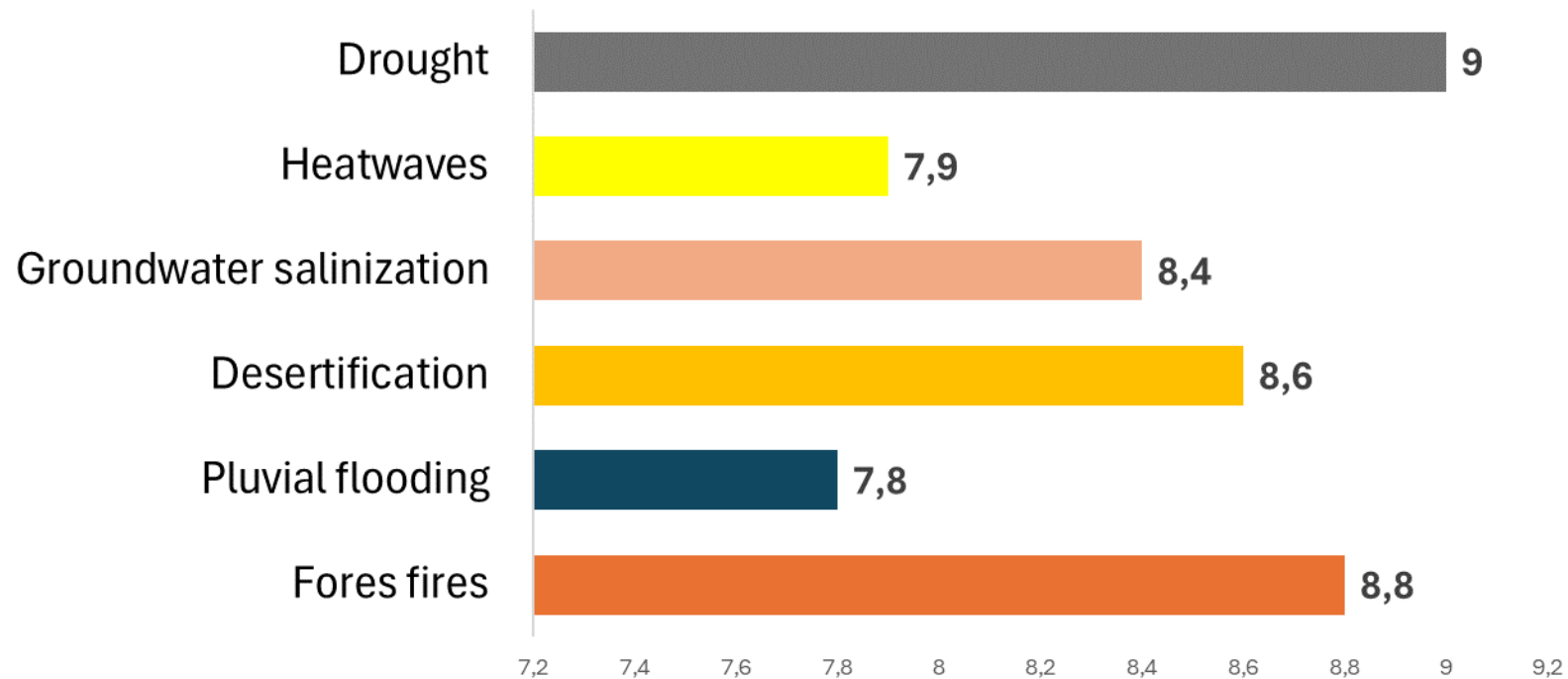


The project set a Community of practice to better understand problems and expectations

Local governments, scientific community, water cycle companies, farmers, and representation of Tourism, Agriculture, Water and Geographical information departments

- Addressing the gap
- Developing data and model applications for end-users
- Empowering the users (regions)
- Enhancing the outreach and impact

Main impacts



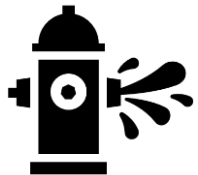
Defined in the context of the community of practice
Maximum score 10

Most vulnerable sectors

Assets



Urban drainage system



Water distribution network



Natural spaces

Socio economic



Agriculture



Tourism



Health

Expectations

Bring **scientific** solutions closer to **end-users**

Better information about **aquifer** structure or surface and network **floods**

Information generated by the project in **big regional data repository**

Cooperation and **dissemination** tools: Workshops, training courses, awareness campaigns

Improve **governance**, administrative coordination, and citizen awareness

Incorporation of **cost / benefit** scope

Tasks and activities

- Understand regional background, challenges and expectations
- **Addressing the gap** 
- Developing data and model applications for end-users
- Empowering the users (regions)
- Enhancing the outreach and impact


Definition of ideal status and inventory of existing data

Applications, models, climate and environmental data

Data: Availability, accessibility, temporal and spatial resolution

Important: Inter region comparison.

Tasks and activities

- Understand regional background, challenges and expectations
- Addressing the gap
- **Developing data and model applications for end-users** 
- Empowering the users (regions)
- Enhancing the outreach and impact

Technological partners will develop a *Climate Change Resilience Toolbox*

Data Access, transformation and visualization, applications and other tools

Help local authorities to prioritize climate change adaptation measures

Tasks and activities

- Understand regional background, challenges and expectations
- Addressing the gap
- Developing data and model applications for end-users
- **Empowering the users (regions)**
- Enhancing the outreach and impact



The model doesn't end in the “academia”

Agreed final product

Stakeholders are trained and become end users of the developed applications and improved information

Objective: A better management of climate impacts thanks to improved knowledge.

Tasks and activities

- Understand regional background, challenges and expectations
- Addressing the gap
- Developing data and model applications for end-users
- Empowering the users (regions)
- **Enhancing the outreach and impact**



Edition or improvement or educational materials

Incorporation of their knowledge into materials and resources dedicated to raising awareness of the general public

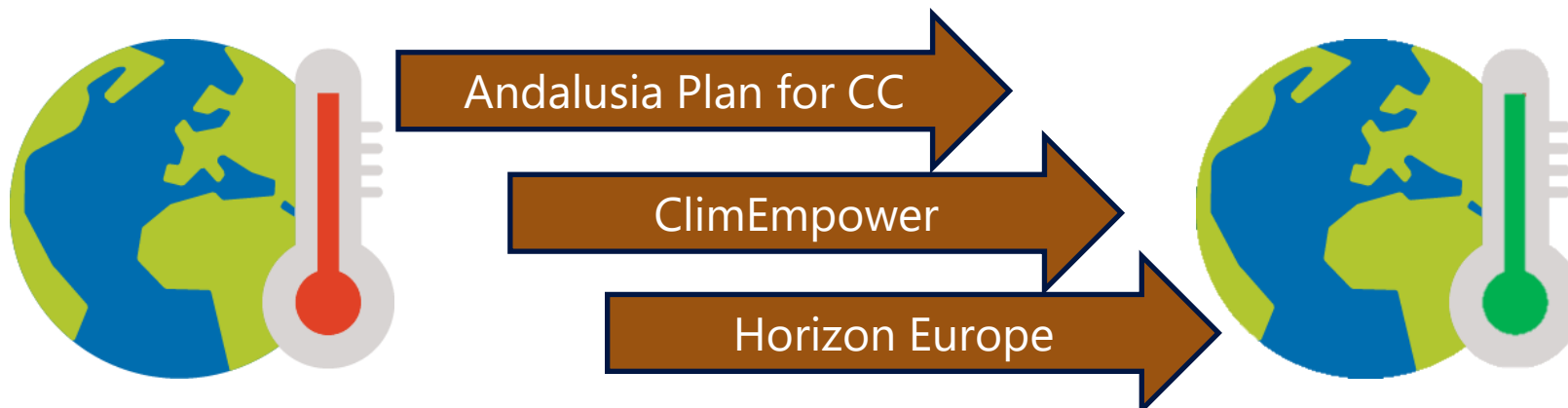
Students, general population

Scientific community

Follower region.

How do we fit in ClimEmpower?

- The Project is aligned with our regional strategy Plan Andaluz de Acción por el Clima (Andalusia Plan for climate change)
- Andalusia, Adaptation Mission Signatory (2022)
- Our experience already includes multilevel cooperation. (local planning / regional planning)
- PAAC includes a communication program



Andalucía
se mueve con Europa





EUROPEAN UNION

Matchmaking session

Elodie Bossio
MIP4Adapt



Matchmaking session

Structure: 1 session of 70 minutes each to give opportunity to explore different topics.

You might be asked to merge with another room if there are not enough participants in your room

Activities:

- Ice-breaker on the selected topic (10 min)
- Opportunity for regions to pitch themselves as demonstration projects (30 min)
- Opportunity for R&I actors to reply (25 min)
- Exploring interests in other topics (15 min)



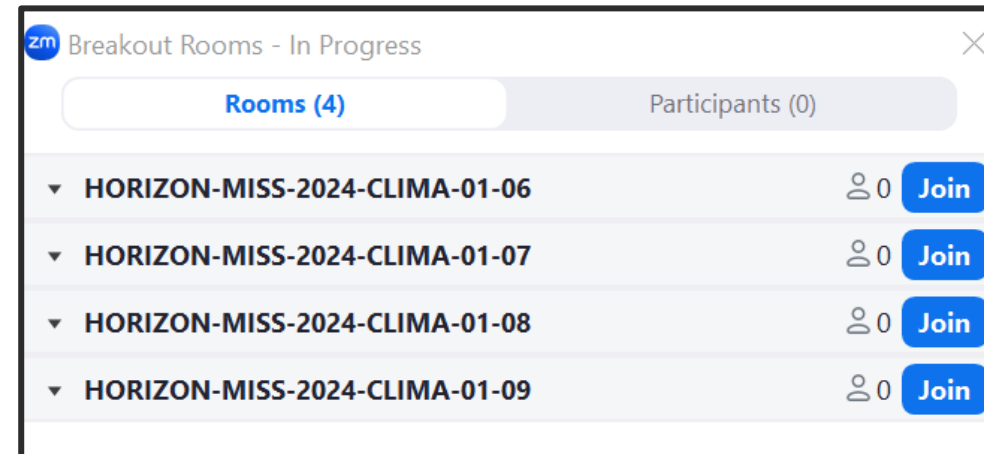
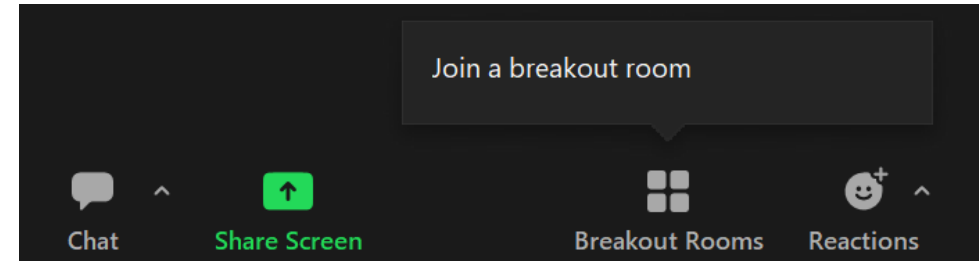
70 minutes

Facilitated working session with hosts from MIP4ADAPT Team



How to select a breakout room?

- Click the Breakout Rooms option in your meeting controls.
- This will display the list of open breakout rooms created by the host.
- Click Join next to the Breakout Room you wish to participant in, then confirm by clicking join again.

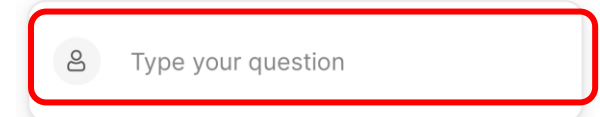
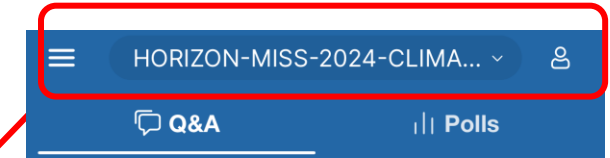
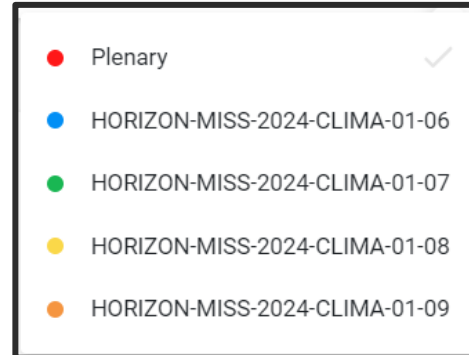




Breakout room topics

- Clima-01-06: Demonstration of approaches to improve bankability of solutions by design, addressing the co-benefits (mitigation and adaptation) to improve revenues streams.
- Clima-01-07: Demonstration of solutions specifically suited to rural areas and small/medium size population local communities.
- Clima-01-08: Demonstration of approaches by regions and local authorities focused on increasing climate resilience of the most vulnerable social groups (just climate resilience).
- Clima-01-09: Systemic and cross-sectoral solutions for climate resilience, tailored to the local needs of regions and local authorities.

Access Slido and select your break out room from the list



There are no questions asked yet.

Ask the first one!



Use this space to keep track of discussion

slido

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NCP Role and support for applicants

Dr. Rolf Stratmann
Project Management Juelich, FZJ (DE)



NCP4MISSIONS

**Matchmaking regions
and R&I actors for the
2024 Mission call**

5 June 2024, online

NCP4MISSIONS



Network of National Contact Points for the five EU Missions

**Capacity building for more consistent Mission National Contact
Points and their services**

Dr. Rolf Stratmann
Project Management Juelich, FZJ (DE)

General information

Topic: HORIZON-MISS-2022-NCP-01-01: Creating a transnational network of National Contact Points (NCPs) for EU Missions

Project type: CSA

Project start: 1st of September 2023

Duration: 54 months (4,5 years)

GA no. 101121092

EU contribution: 1.814.338 EUR

Coordinator: FZJ (DE)

Partners: in total 19

Cordis:

<https://cordis.europa.eu/project/id/1011210>

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Role of National Contact Points (NCPs)

NCPs provide support and guidance for all aspects related to the Horizon Europe work programme, especially preparation of project proposals

Specific NCPs for each part of the Horizon Europe work programme

NCPs are established in all Member States and Associated Countries

Many third countries have also established NCPs

All NCP networks: <https://horizoneuropencppportal.eu/>

Overarching goals

Establishment of a transnational network of NCPs for the EU missions

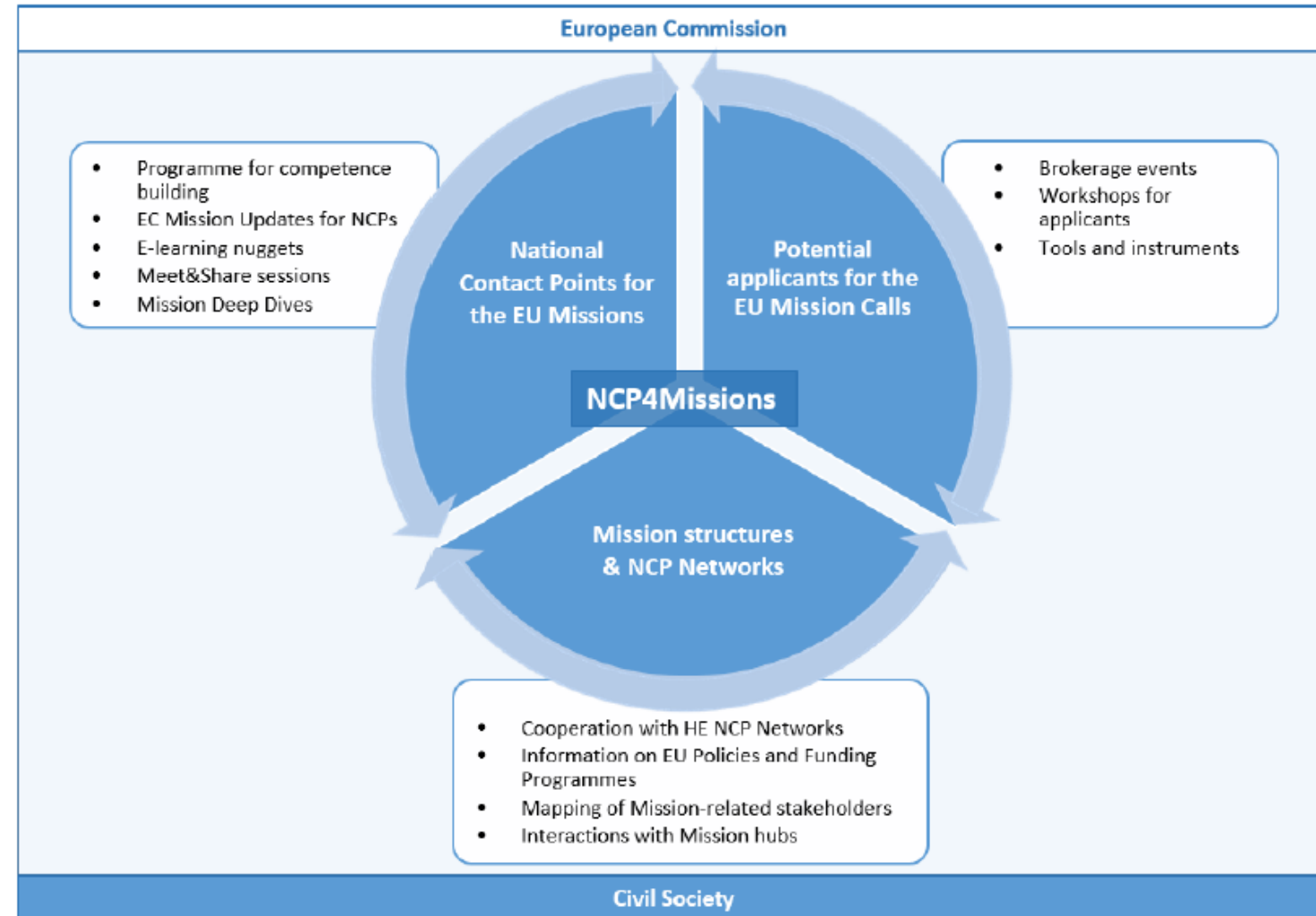
Improve and professionalise the skills of NCPs concerned with the 5 missions

Standardised and qualified NCP services across Europe
Improved support for potential applicants of the missions' work programmes

Collaboration with the Horizon Europe NCP Portal
Synergies with thematically related NCP networks as well as the EU Commission, Missions Hubs, Mission Boards, etc.

Target groups and activities

of the NCP4Missions network project



Activities for potential Mission applicants

Brokerage events

once a year back-to-back with the EC Mission Infodays (5 in total)

1st brokerage event on 21st and 22nd of May:

<https://missions-horizon-europe-brokerage-2024.b2match.io/>

registration and the bilateral meeting scheduling will remain open till 20th of November

recording of plenary session with useful information on understanding topics and identifying and integrating partners

Activities for potential Mission applicants

Workshops for applicants

to facilitate exchange between participants in order to debate the needs and differences in Clusters and Missions Work Programmes

Formats:

Synergies between different Horizon Europe parts

Exchange on best practices projects



Activities for potential Mission applicants

Tools and instruments

to provide user-friendly information on the Missions to applicants

Experience analysis: source of information on the challenges specific to the Missions in the application process

FAQ overview: collection of EC's answers to NCPs' queries and official documents

Factsheets: on the Mission status activities

Activities will be promoted via the project website (<https://horizoneuropencppportal.eu/eu-missions>) and our social media channels (LinkedIn, Facebook, X)

Thank you for your attention!



contact@ncp4missions.eu





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Wrap-up and closing remarks

Giovanni Roberti
MIP4Adapt



Have the breakout rooms been useful to match regions and local authorities with R&I actors and discuss the possibility of participating in demonstration projects?





Do you think you will apply for one of the 2024 Mission Adaptation calls presented today?





**Could you provide feedback on your
experience with this workshop?
Which part was the most interesting
for you?**

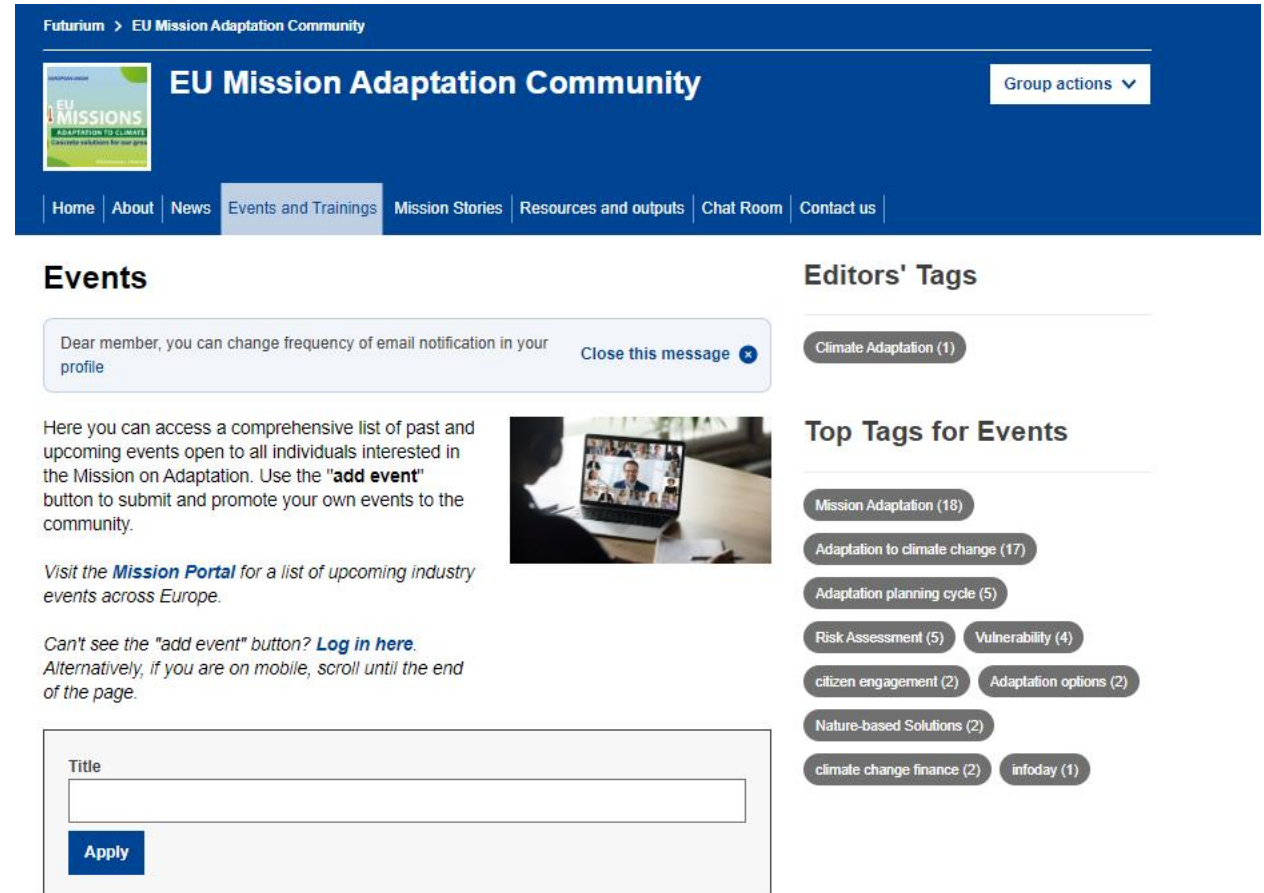


Closing remarks

- The deadline to send applications for the 2024 Mission Adaptation call is on the 18th of September. [Apply now](#)
- The Community of Practice has moved to a [new website](#)! Accept the invitation that was sent on the 22nd of April to continue accessing the Community of Practice Online Hub and benefit from the new features.
- Use the [chat room](#) created for each call to continue the discussions.
- The next technical assistance cut-off will be on the 30th of June. [Apply now](#) to advance on your climate adaptation journey!

Upcoming events

- You can find the complete list of upcoming events by accessing the [Events and Trainings section](#) on Futurium.
- The next event on Monitoring & Evaluation Will be on 20th June. [Register here.](#)



The screenshot shows the 'EU Mission Adaptation Community' page on Futurium. The header includes the site name and a 'Group actions' dropdown. A navigation menu contains links for Home, About, News, Events and Trainings (highlighted), Mission Stories, Resources and outputs, Chat Room, and Contact us. The main content area is titled 'Events' and features a notification box about email preferences, a paragraph explaining how to add events, a video thumbnail, and a form with a title input field and an 'Apply' button. On the right, there are sections for 'Editors' Tags' and 'Top Tags for Events', both displaying various tags with associated counts.

Futurium > EU Mission Adaptation Community

EU Mission Adaptation Community Group actions ▾

Home | About | News | **Events and Trainings** | Mission Stories | Resources and outputs | Chat Room | Contact us

Events

Dear member, you can change frequency of email notification in your profile Close this message ✕

Here you can access a comprehensive list of past and upcoming events open to all individuals interested in the Mission on Adaptation. Use the "add event" button to submit and promote your own events to the community.

Visit the **Mission Portal** for a list of upcoming industry events across Europe.

Can't see the "add event" button? [Log in here](#).
Alternatively, if you are on mobile, scroll until the end of the page.

Title

Apply

Editors' Tags

- Climate Adaptation (1)

Top Tags for Events

- Mission Adaptation (18)
- Adaptation to climate change (17)
- Adaptation planning cycle (5)
- Risk Assessment (5) Vulnerability (4)
- citizen engagement (2) Adaptation options (2)
- Nature-based Solutions (2)
- climate change finance (2) infoday (1)



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Thank you !

#EUmissions

#HorizonEU

#MissionClimateAdaptation

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