



CLIMATE ADAPTATION AND RESILIENCE WG

Innovative Climate Adaptation Solutions

From Local Practices to Future EU Funding



AGENDA

10:00	Welcome and introduction Leaders of the Adaptation and Resilience Working Group
10:10	Setting the Scene: Overview of ERRIN's policy work on the future MFF and EU Missions ERRIN Secretariat
10:30	Future EU Funding & the Role of Resilience: exchange with the Mission Adaptation Secretariat Philippe Tulkens, Head of Unit, DG RTD, and Deputy Mission Manager for the EU Mission on Adaptation to Climate Change, European Commission
10:50	Showcasing Innovative Climate Adaptation Solutions Presentations from ERRIN member regions
11:25	Interactive discussion: what should future resilience funding support?
12:00	End of meeting



Setting the Scene: Overview of ERRIN's policy work on the future MFF and EU Missions

TODAY'S DISCUSSION

FUTURE OF
FUNDING:
HE and ECF

DOES “RESILIENCE”
INCLUDE CLIMATE
RESILIENCE?

HOW WILL THE NEW
RESILIENCE-RELATED
FRAMEWORKS SHAPE
FUTURE EU FUNDING?

FUTURE OF FUNDING

**MFF 2021–2027
(Horizon Europe)**



**2028–2034
(Horizon + ECF)**

How do we ensure
climate adaptation
solutions don't stop at
demonstration?

- HE budget: R&I
- ECF budget: deployment & scale-up

ERRIN AMENDMENTS TO HORIZON EUROPE & ECF

Key recommendations:

- Create **explicit links between FP10, the ECF and National and Regional Partnership Plans (NRPPs)** to ensure a coherent pathway from R&I, deployment and territorial impact, recognising the role of S3.
- Recognise **regions and cities as strategic partners** in Europe's industrial competitiveness and resilience.
- Integrate **local and regional authorities into governance structures of Horizon Europe and the ECF**, including programming committees and policy review mechanisms, to ensure structured territorial feedback.
- Maintain strong **support for societal transformation, including the EU Missions and mission-oriented approach**, ensuring complementarity between R&I funding and deployment instruments.
- Boost long-term investment in connecting **territorial R&I ecosystems**, including dedicated funding building on the experience of Regional Innovation Valleys.
- **Improve access and inclusiveness**, including stronger participation from **Widening countries** and enhanced collaboration across innovation ecosystems with various innovation capacities.

ERRIN'S INPUT TO THE FUTURE OF THE EU MISSIONS

- 2024: [ERRIN's input paper on the EU Missions in FP10](#)
- January 2025: [A joint call for stronger political leadership of the EU Missions](#)
- September 2025: [Shaping the next phase of EU Missions with the Austrian Mission Facility](#)
- November 2025: [ERRIN's input on the Multiannual Financial Framework 2028–2034 proposals](#)
- March 2026: [ERRIN amendment proposals for the future Horizon Europe and the European Competitiveness Fund](#)
- April 2026: [ERRIN paper “EU Missions – Looking towards the next EU long-term budget”](#)



EU MISSIONS – SUPPORT ACROSS FP10 AND ECF

Ensuring support to Research and Innovation as well as deployment and scale up

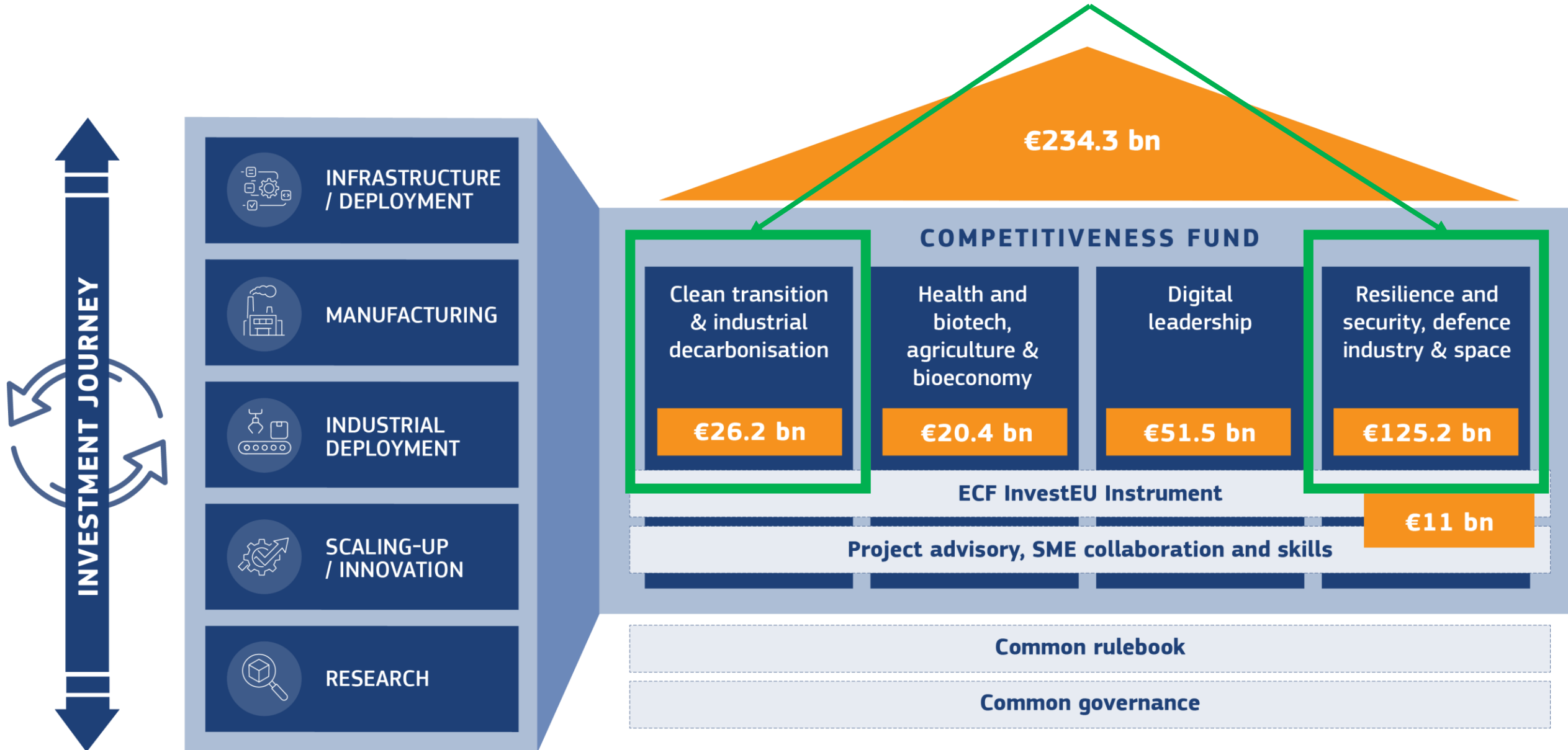
- Dedicated input document on the role of EU Missions and mission-oriented approach under the next MFF
- Highlighting the overall positive feedback on the mission-oriented approach, impacts so far as well as examples across each of the Missions
- Proposal to continue Missions beyond 2030 as it is not possible to fully assess their impact now – another assessment closer to 2030
- European Parliament proposes new Missions (housing, health)

 Access the input paper [here](#)



EU Missions tackle societal challenges while driving competitiveness. They work by aligning R&I, industrial policy, investment and governance across sectors, not as siloed initiatives.

How to fund climate adaptation and resilience?



FUTURE EU CLIMATE RESILIENCE FRAMEWORK AND STRATEGY

**European Climate Resilience
and Risk Management
Framework**

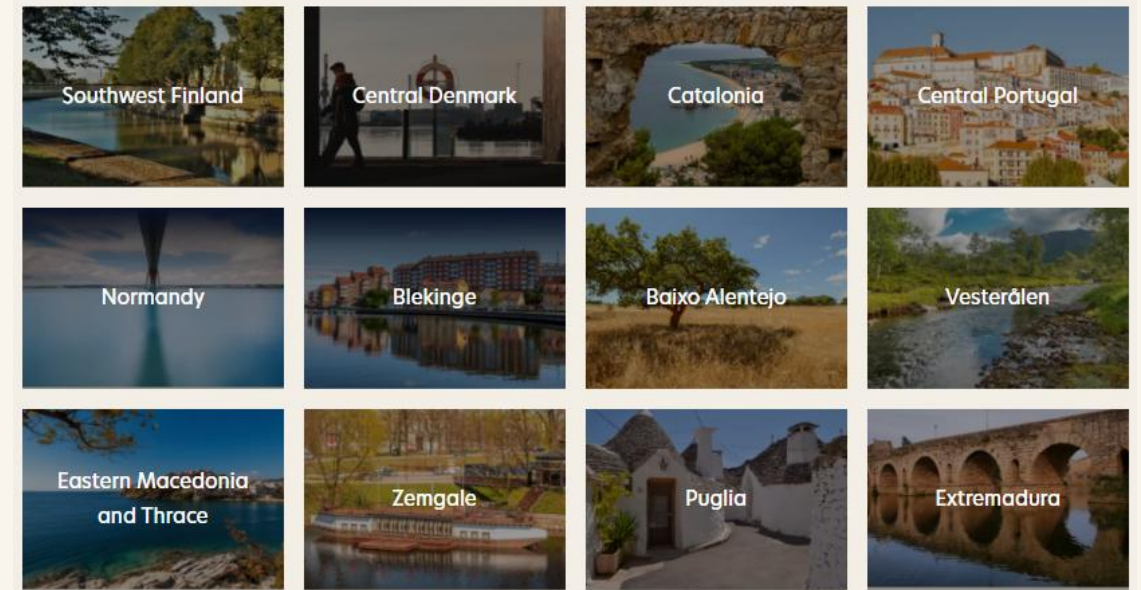
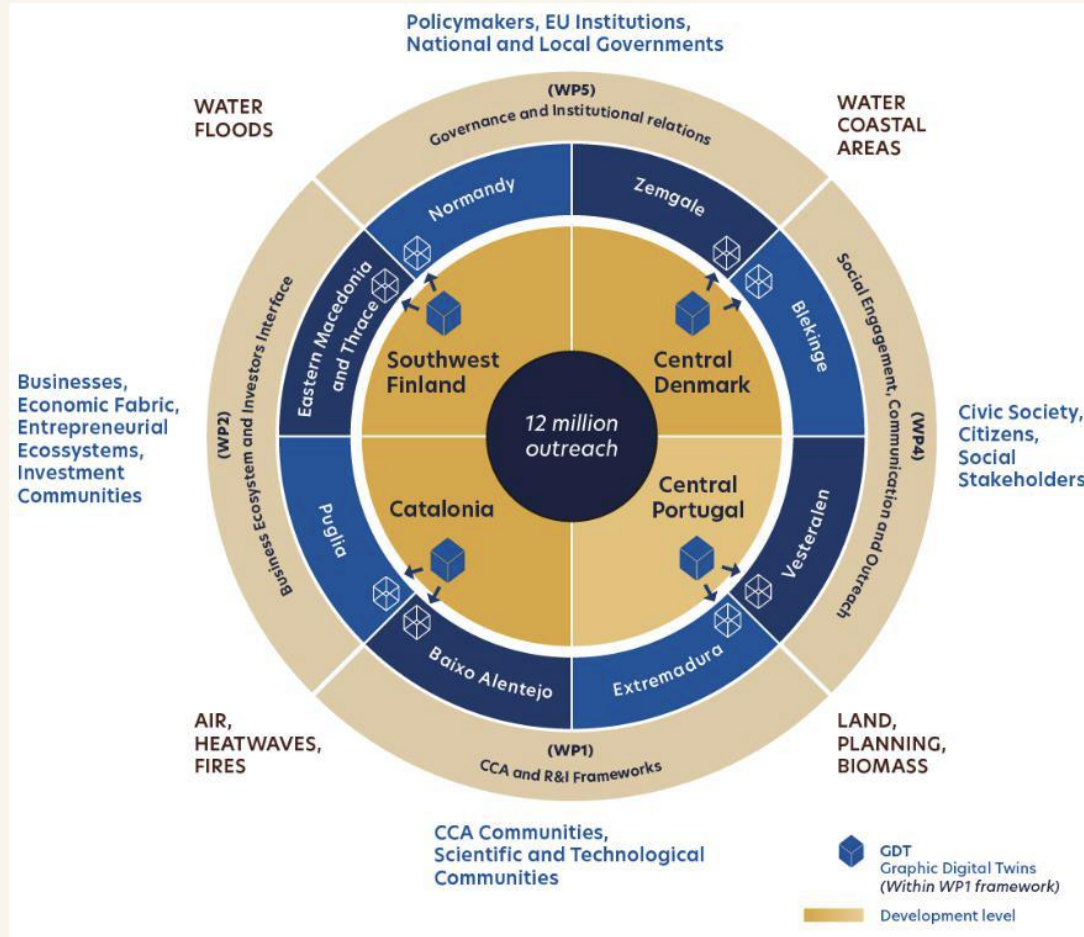
**Ocean Act & Water resilience
strategy**

- How will the upcoming Integrated Framework on Climate Resilience and Water Resilience Strategy influence future EU funding priorities?
- How will these be reflected in FP10 and the ECF?
- What role will climate risk assessment and management play in shaping future research and innovation investments?



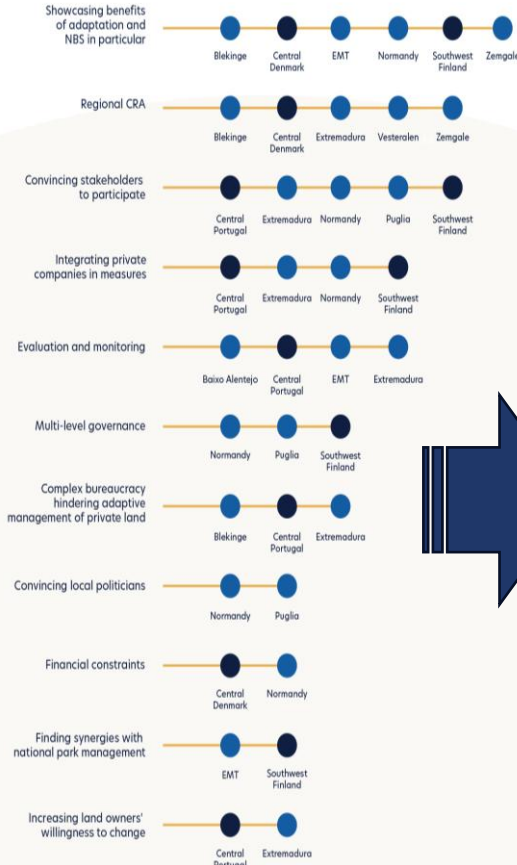
ERRIN's projects

RESIST at a Glance

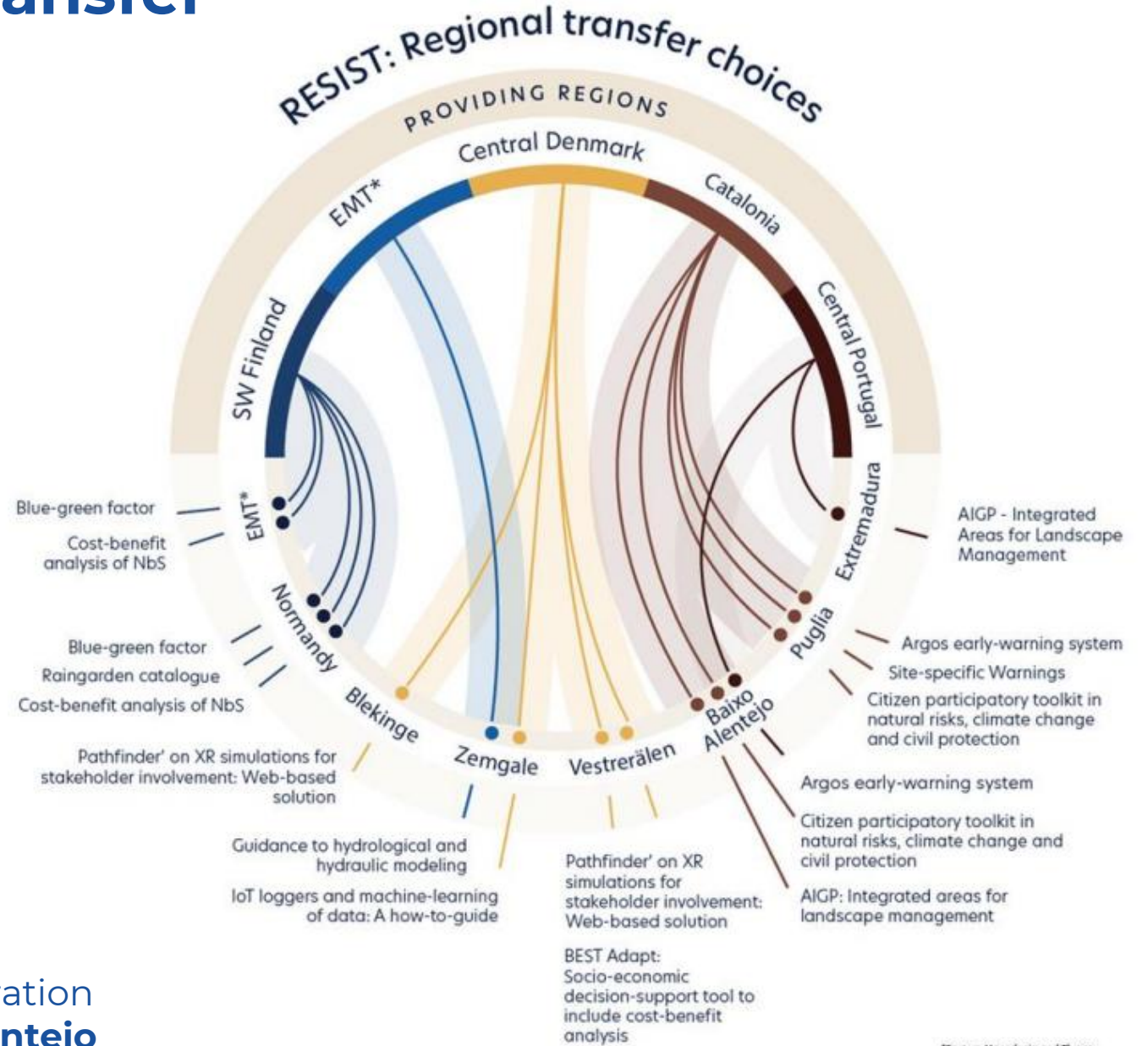


Knowledge transfer

Common regional challenges and needs within RESIST



TRANSFERS PLANS



- **Joint effort** of Leading and Twinning regions
- **Share of resources** for the solutions demonstration
- Reshaped activities of **Zemgale** and **Baixo Alentejo**

*Eastern Macedonia and Thrace

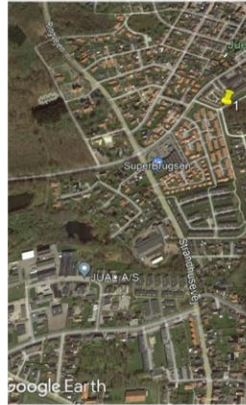


Co-funded by
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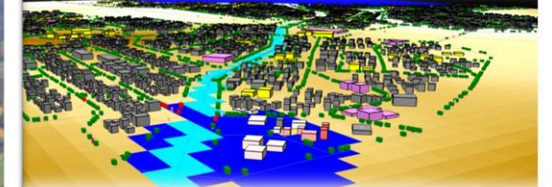


RESIST logger positions

The locations of the 5 ground water IoT loggers in RESIST project



- Legend
- IoT logger
 - JUNL A/S
 - Lystbådehavn -
 - Superbrugsen





27 National Adaptation Hubs across Europe



Central Support
Facility



27 National
Adaptation Hubs
(NAHs)



Grouping &
twinning system

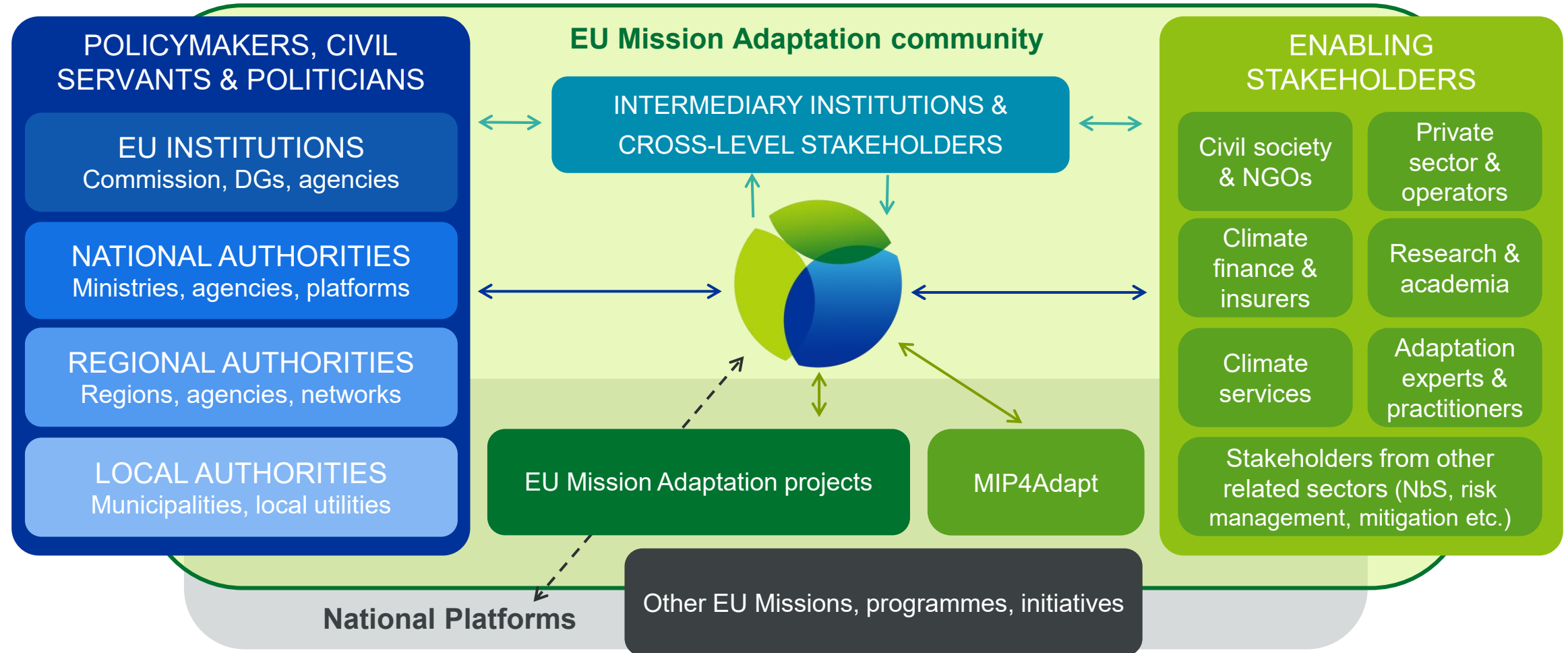


Stronger multilevel
coordination



Better, aligned
adaptation plans

A Multi-level Governance Approach



Twinning & Grouping across the EU-27

*Connecting territories facing **similar climate risks** and those **leading with solutions** to enable practical, experience-based learning, **exploration of challenges**, and **co-development of resilience pathways**.*

Grouping of Regions: 58 cross-regional exchanges

**National and transboundary
twinning (54 exchanges)**
Facilitated by the NAHs

**EU twinning programme
(4 exchanges)**
Facilitated by project partners

Peer Learning Activities:

- Baseline assessment
- Mapping enabling conditions and 'Key Community Systems'
- Identifying potential obstacles
- Multilevel governance assessment

Catalogue of Innovative and Transformative Options

Showcasing Climate Resilient Solutions across European Regions

16/06/2026



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What makes this catalogue different?



Transformation-centric, not incremental — Credible and strategic



Tailored to European regional contexts — Relevant and relatable



Multi-sectoral and diverse — Capturing efforts of 100+ regions



Implementation focus — Practical and transferable



Portfolio thinking — Integrated systemic perspective



What kind of solutions are we looking for?

-  A policy reform
-  A governance innovation
-  A novel financing mechanism
-  A systemic intervention
-  A technological solution
-  Or a **smart combination** of these

- ✓ Tackle climate risks in a meaningful way
- ✓ Go beyond incremental fixes
- ✓ Show potential for systemic impact
- ✓ Can inspire or inform other regions

-  Change how decisions are made
-  Unlock new financial flows
-  Reconfigure systems
-  Strengthen institutional coordination
-  Improve how risk is understood
-  Enable action and lower barriers
-  Signal ambition

-  Clear problem-solution link
-  Lessons and insights into key aspects
-  Transferability potential
-  Honest reflection on challenges & limitations
-  Sparks motivation in other regions



Why should you contribute?

For your region, contributing means:



Visibility at EU level



Strategic positioning as front-runner in climate resilience and transformation



Unlock cross-regional partnerships



Stronger investment narratives for your region



Acknowledgement of your work

GAIN RECOGNITION WITHOUT HEAVY REPORTING



What we ask from you

Step1 – Submission



Step 2 – Review & structuring



Step 3 – Dialogue & refinement



Step 4 – Publication & visibility



SCAN ME



Future EU Funding & the Role of Resilience: exchange with the Mission Adaptation Secretariat



REGIONAL EXPERIENCES



Simone Hagenauer

Lower Austria



Guidelines for Climate-Resilient Building Regulations

Solutions and recommendations for municipalities in Lower Austria

Simone Hagenauer, ecoplus. The Business Agency of Lower Austria
ERRIN Meeting on Innovative Climate Adaptation Solutions / 30 June 2026

ARCADIA: Demonstrate & accelerate the adoption of Nature-based Solutions for Climate Resilience

HORIZON-MISS-2022-CLIMA-01-06

<https://www.arcadia-adaptation.eu/>



Focus in Lower Austria

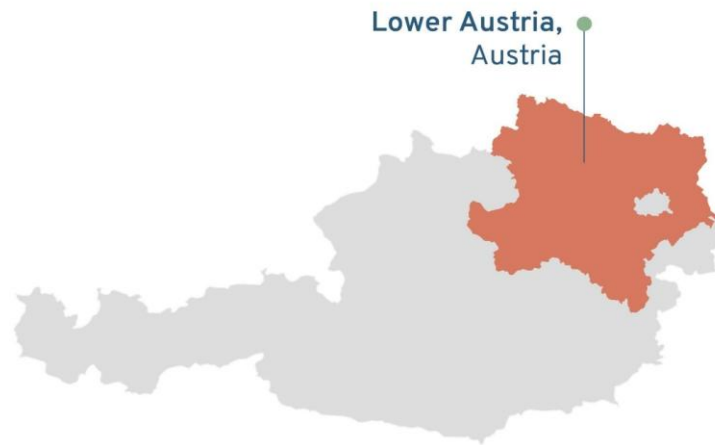
- *Too much/too little water in agriculture*
- *Urban Heat*
- *Climate-resilient business parks*

Natur based Solutions:

- *Multi-function hedges*
- *Greening*
- *De-sealing, etc.*



Spatial Planning - Key for Climate Change Adaptation



- **9 Federal States**
- **2.092 Municipalities** (573 in Lower Austria)

Spatial Planning in Austria

- **Regional** (Federal States):
Main authority for spatial planning; regional plans and land-use policies.
- **Local** (Municipalities):
Responsible for **local planning; zoning and development plans.**
- **National** (Federal Government):
Only **sector-specific** planning (e.g., transport, forestry, water).



Practical guide for municipalities on how to integrate climate adaptation measures into local building regulations & zoning plans.

- ❖ What can municipalities legally regulate under the Lower Austrian Spatial Planning Act?
- ❖ Real examples from already implemented building regulations.
- ❖ Combination of 1) legal foundations, 2) planning principles, 3) concrete regulatory options, 4) model texts for municipal ordinances, 5) case studies from Lower Austrian municipalities.
- ❖ Target Group: local administrations and political decision-makers.

Learnings & thoughts for future EU funding and priorities

- ❖ Coalition of the Willing
- ❖ EU funding as enabler of regional collaboration across silos
- ❖ Showcases
- ❖ Future of





Birgitte Karnøe Frederiksen

Central Denmark EU Office





Central
Denmark
EU Office

ERRIN meeting on CCA **30 June 2026**

Strategy on Climate Adaptation and regional examples

Context – the multi-level governance

The national level

- ❖ Climate Adaptation Plan (2024-2027): financial support for – primarily – coastal resilience
- ❖ Accelerator: additional means for coastal protection

The regional level

- ❖ CDR not a authority, but a coordinator and driver of CCA among its municipalities
- ❖ 2024: reform of regional competencies (climate no longer a c.)

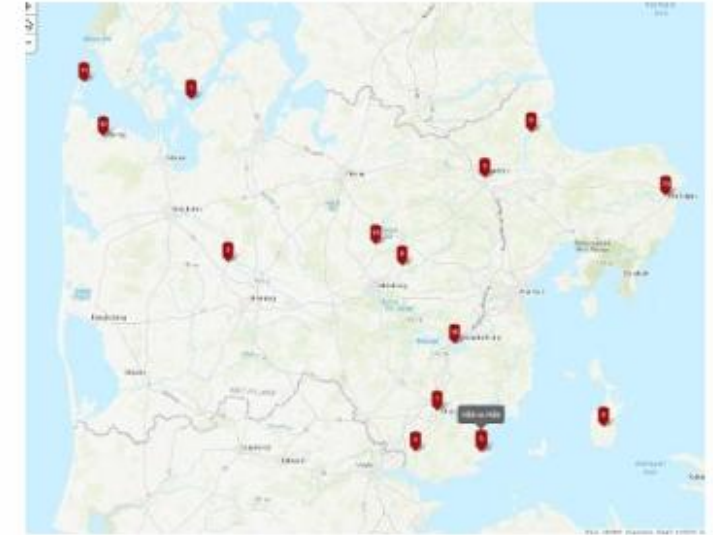
The municipal level

- ❖ The municipalities the primary responsible for CCA



Strategy on climate adaptation in CDR

- ❖ 2014-2016: comprehensive plan to foster more resilience in CDR designed
- ❖ 2017: the Coast to Coast Climate Challenge project received funding through LIFE IP
- ❖ 2022: the publication of the common strategy



The five principles of the strategy

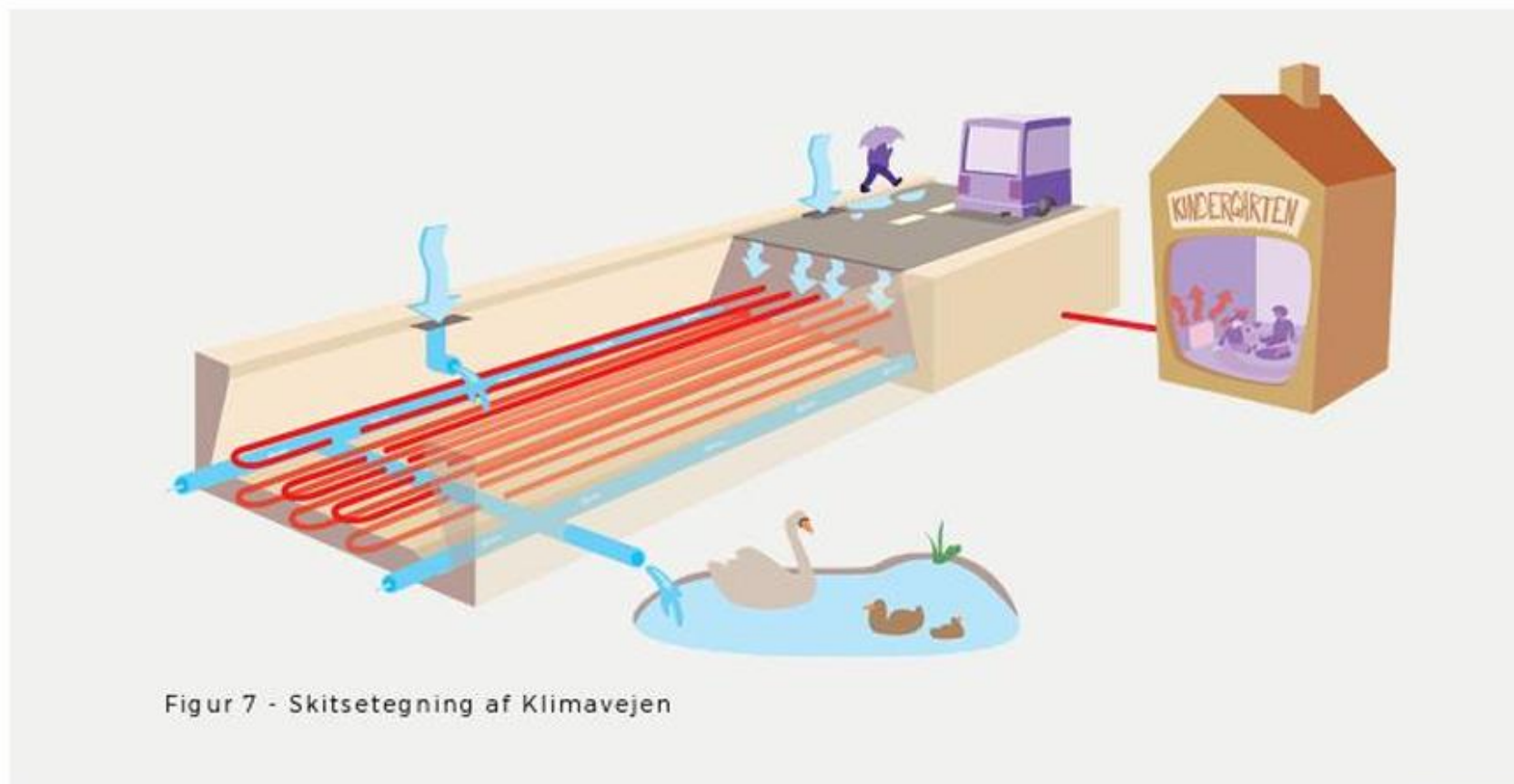
1. Climate adaptation must be holistic
2. Climate adaptation must be nature-based to the widest extent possible
3. Climate adaptation must be conducted in cross-cutting collaboration
4. Climate adaptation must be dynamic and consider the development of climate changes even after 2100
5. Climate adaptation must contain a socioeconomic assessment including nonmonetary values and respecting future generations



Figur 4 - De overordnede principper for fremtidigt arbejde med klimatilpasning.



CDR examples -



Figur 7 - Skitsetegning af Klimavejen

CDR examples - Klimatorium





Christian Billund Dehlbæk

VIA University College, Central Denmark





RESIST project

The importance and relevance for climate adaptation in the Central Denmark Region

30th June 2026

Agenda

- Introduction to VIA University College and the presenter
- Examples of Danish pilots
- RESIST contribution to Danish climate adaptation



Introduction

Presenter

- Christian Billund Dehlbæk
- Msc. Geography and geoinformatics (ecological climatology and climate change)
- Assistant professor at VIA University College



VIA University College

- One of six university colleges of applied science
- App. 19.000 students
- 3 research divisions
- RESIST is placed in the research center for build environment, climate and water technology



The demo houses and complementary research

- Locally anchored demonstrator – generic European topic
- Digital supported dissemination through XR technology
- Test laboratory for climate resilient solutions in real life conditions
- Demo house = Public 24/7 exhibition of EU project
- Demonstrator as a visible public platform for innovation and stakeholder engagement – integrated in a coastal route



Output and Horizon/mission contribution

- New and innovative knowledge about climate resilient building materials and how to build climate resilient
- Comprehensive attention and exposure on the demo houses and RESIST
- Communication and capacity building among citizens, scientists and professionals
- Made possible because of the EU Horizon programme and EU climate adaptation mission
- Contributes by demonstrating innovative solutions to climate change, build up capacity and entails further development and collaborations



Groundwater level data and data driven models for climate adaptation

- IoT logger data (82 sensors) about shallow groundwater table
- Information about fluctuations and meteorological effects
- Supporting hydrological using ML methods
- Enabling real time water management and forecasting using real time data



Output and Horizon/mission contribution

- More accurate groundwater modelling
- Inputs for local climate adaptation planning
- Reduces risk of maladaptation
- Is realized because of funding from EU Horizon funding
- Will increase climate resilience in local communities
- Parts of the project is transferred to a twinning region in Zemgale, Latvia
- Funding mechanisms must bridge the gap between research, municipal implementation and long-term water management



Thank you for your attention

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Bring ideas to life
VIA University College



Co-funded by
the European Union



Elinor Jakobsson

Central Sweden European Office



Resilience – a foundation for long- term competitiveness

Three important parts

- Resist**
Manage disruptions without losing the core of your business
- Adapt**
Change the way you work when conditions change
- Continue to create value**
Identify new opportunities during the transition



Strategy objectives

Overall objectives

- Mobilise joint action to increase the long-term competitiveness of the business sector by strengthening the county's overall resilience.



Three sub-objectives



Resilience

Strengthen the ability to prevent, manage and adapt to change



Innovative power

Open arenas and value-adding environments where solutions are tested and scaled



Implementation power

Effective collaboration, faster processes and joint learning

How we work

Three levels

- System leadership
- Strategic areas
- Regional transition arenas



How we work

Which future EU funding window, policy priority or funding mechanism do you believe is most relevant for supporting and scaling this solution?



**When you think about
resilience in your territory,
what should future EU funding
prioritise?**



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Let's continue the dialogue



Magdalena Kowacka

Małopolska Region





A model for adaptation planning at regional and city level (Malopolska Region, Poland)

Justyna Mazurkiewicz - Head of the Climate Team
Marshal's Office of the Małopolska Region

A model for adaptation planning at regional and city level as part of the LIFE DREAM CITIES project



FLOODS

- 1) caused by heavy rainfall over a short period
- 2) caused by prolonged rainfall
- 3) caused by heavy rainfall combined with rapid snowmelt
- 4) urban flooding caused by sudden downpours



DROUGHS

- 1) atmospheric drought (lack of rainfall)
- 2) hydrological drought (low water levels in rivers and reservoirs)
- 3) agricultural drought (lack of water for crops)



EXTREME WEATHER EVENTS

- 1) severe thunderstorms with lightning and hailstorms
- 2) hurricane-force winds and tornadoes
- 3) heavy rainfall
- 4) heatwaves and tropical nights

A model for adaptation planning at regional and city level as part of the LIFE DREAM CITIES project



National Adaptation Strategy together with the Adaptation Action Plan



REGIONAL ADAPTATION STRATEGY

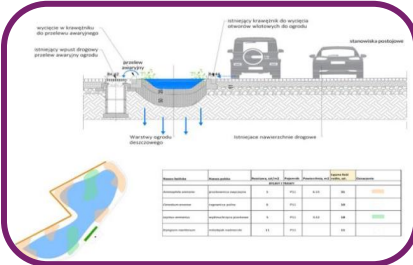
URBAN ADAPTATION PLANS



INVENTORYING



DEVELOPMENT AND PLANNING



IMPLEMENTATION



developing 'tailor-made' nature-based solutions



a participatory system for managing urban natural environments with a focus on adapting to climate change

A model for adaptation planning at regional and city level as part of the LIFE DREAM CITIES project



REGIONAL ADAPTATION STRATEGY

Main objective

To ensure the sustainable development of the region and the effective functioning of the economy and society in the face of a changing climate. This will result in the mitigation and prevention of the negative effects of ongoing climate change.

Specific objectives

- mainstreaming adaptation into regional sectoral policies
- enhancing the region's adaptive capacity
- effective spatial planning and land-use management
- increasing green spaces
- water security
- fostering responsible social attitudes towards the need to adapt to the effects of climate change.

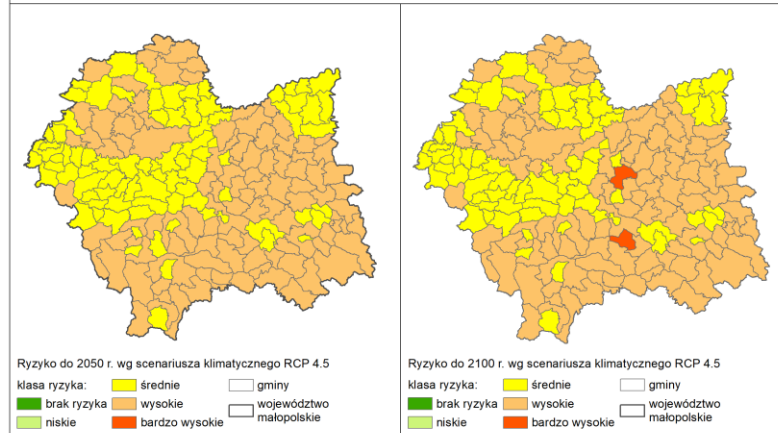
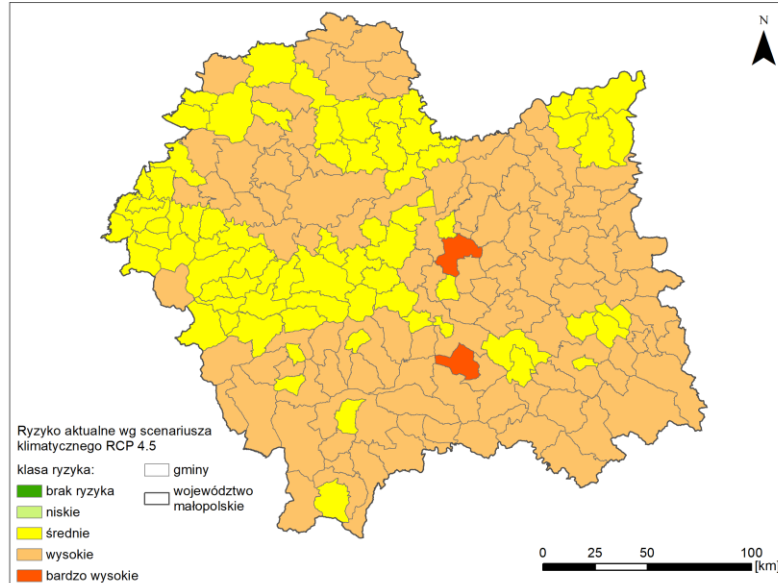


A model for adaptation planning at regional and city level as part of the LIFE DREAM CITIES project



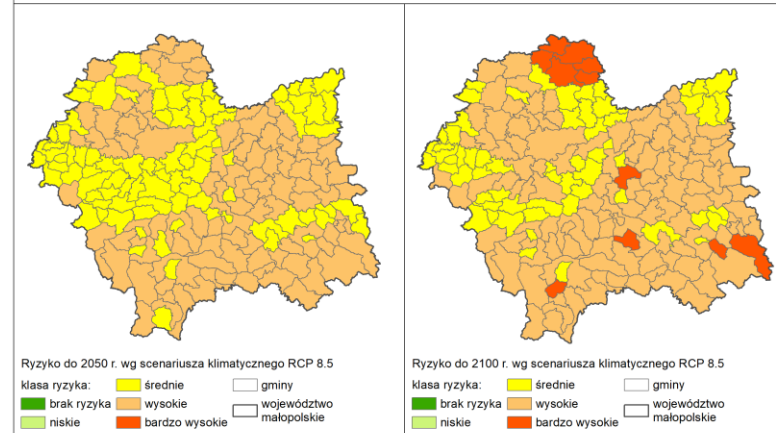
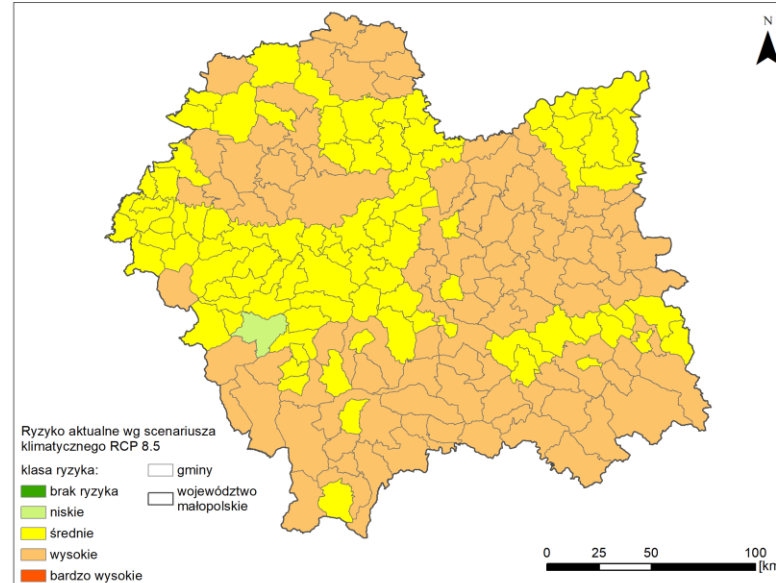
Poziom ryzyka klimatycznego dla województwa małopolskiego

Sektor: Różnorodność biologiczna; Ryzyko: Spadek różnorodności



Poziom ryzyka klimatycznego dla województwa małopolskiego

Sektor: Różnorodność biologiczna; Ryzyko: Spadek różnorodności



CLIMATE RISK ANALYSIS (2024)

Priority areas for adaptation measures in the regions most vulnerable to the effects of ongoing climate change:

- **public health**
- **transport**
- **energy**
- **water management**
- **tourism**
- **industry**
- **public services**
- **agriculture**
- **biodiversity**
- **forestry**
- **residential development**
- **undeveloped land and industrial sites.**

A model for adaptation planning at regional and city level as part of the LIFE DREAM CITIES project



Mission Charter

MIP4Adapt

MIP4Adapt 2.0

- ❑ Declaration of the Malopolska Region's accession to the European Union's 'Adaptation to Climate Change' Mission
- ❑ Malopolska's inclusion among the 150 European regions and communities striving to build climate resilience and accelerate adaptation measures
- ❑ The Mission Charter is a commitment to developing cooperation, mobilising resources and implementing measures aimed at mitigating the effects of climate change

- ❑ Preparation of the RSA assumptions
- ❑ Consultation on the Climate Risk Analysis
- ❑ Preparation and consultation on the RSA
- ❑ Development of monitoring indicators
- ❑ Identification of funding sources

- ❑ Development of an intelligent rainwater management system
- ❑ Development of monitoring indicators
- ❑ Identification of funding sources



A model for adaptation planning at regional and city level as part of the LIFE DREAM CITIES project



The participatory team on urban adaptation

- ❑ a cross-departmental and cross-institutional body, comprising representatives from the following institutions: spatial planning (urban planners, urban architects), geodesy, environmental protection, green space management, municipal buildings management, roads management, education authority (infrastructure), other municipal companies responsible for maintaining green spaces, co-operatives (the largest ones), local NGOs and other stakeholders (e.g. the National Forest Service).



Inventory – Identification – Public engagement

- ❑ an inventory (identification) of key areas in the city that are significant in terms of the adverse effects of climate change,
- ❑ identification of key projects,
- ❑ public engagement (climate debates and panels).



Urban Adaptation Plans

- The Urban Adaptation Plan includes an analysis of the city's vulnerability, a climate risk assessment and a catalogue of adaptation measures covering, amongst other things, the development of green and blue infrastructure, increasing rainwater retention, protecting residents' health and adapting technical infrastructure.

development



implementation



demonstration



A model for adaptation planning at regional and city level as part of the LIFE DREAM CITIES project



REGIONAL ADAPTATION STRATEGY

Actions	Source of financing	Estimated budget in PLN (2025-2040)*
Increasing the retention capacity of the catchment area, including: development of various forms of small retention, development of water management and small retention, etc.	European Funds for Małopolska	800 000 000
Activities such as water renaturalization, construction and modernization of retention facilities, and updating planning documents	European Funds for Infrastructure, Climate, Environment	800 000 000
Increasing rainwater retention on properties, which helps combat drought and floods	My Water and other government programs	40 000 000
Local projects, NGOs, educational campaigns	Regional Fund for Environmental Protection and Water Management in Krakow	120 000 000
Adaptation measures, in particular those related to counteracting the effects of floods and droughts and those aimed at managing the risk of natural disasters	National Fund for Environmental Protection and Water Management	150 000 000
Activities in the agricultural sector	CAP – Common Agricultural Policy	250 000 000
Activities in the field of water retention, development of blue-green infrastructure and rainwater harvesting	Own resources of counties and municipalities	No data available**
Flood protection, climate change adaptation and risk management programs	European Investment Bank	450 000 000

* Estimated value taking into account the current and future financial perspective

** The amount of funds from the municipal and district budgets is currently impossible to estimate



LIFE DREAM CITIES

“Malopolska ready for adaptation”



► Implementation

period

2025 – 2029



► Project Budget

EUR 5.24 million



► Project Partners

Malopolska Region

Bochnia, Gorlice, Nowy Targ, Olkusz,
Oświęcim, Skawina, Nowy Sącz
(20,000–100,000 inhabitants)

Association of Municipalities – Polish
Network “Energie Cités”

INVESTEKO S.A.



A model for adaptation planning at regional and city level as part of the LIFE DREAM CITIES project



- ❑ developing model solutions/projects that can be easily replicated
- ❑ integrating adaptation into spatial and urban planning, as well as into other plans, programmes and strategies
- ❑ increasing residents' involvement in taking individual action to adapt to climate change
- ❑ securing public and/or private funding to achieve climate resilience by 2030
- ❑ exchanging good practices at local, regional, national and international levels



Thank you for your attention

STAY IN TOUCH!



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INTERACTIVE SESSION