

Regions4Climate

17.01.2024

Joint Baltic webinar on Adaptation to Climate Change Mission

Anette Iital, Estonian Environmental Research Centre



Funded by the European Union. 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 CINEA can be held responsible for them.

Regions4Climate (R4C)

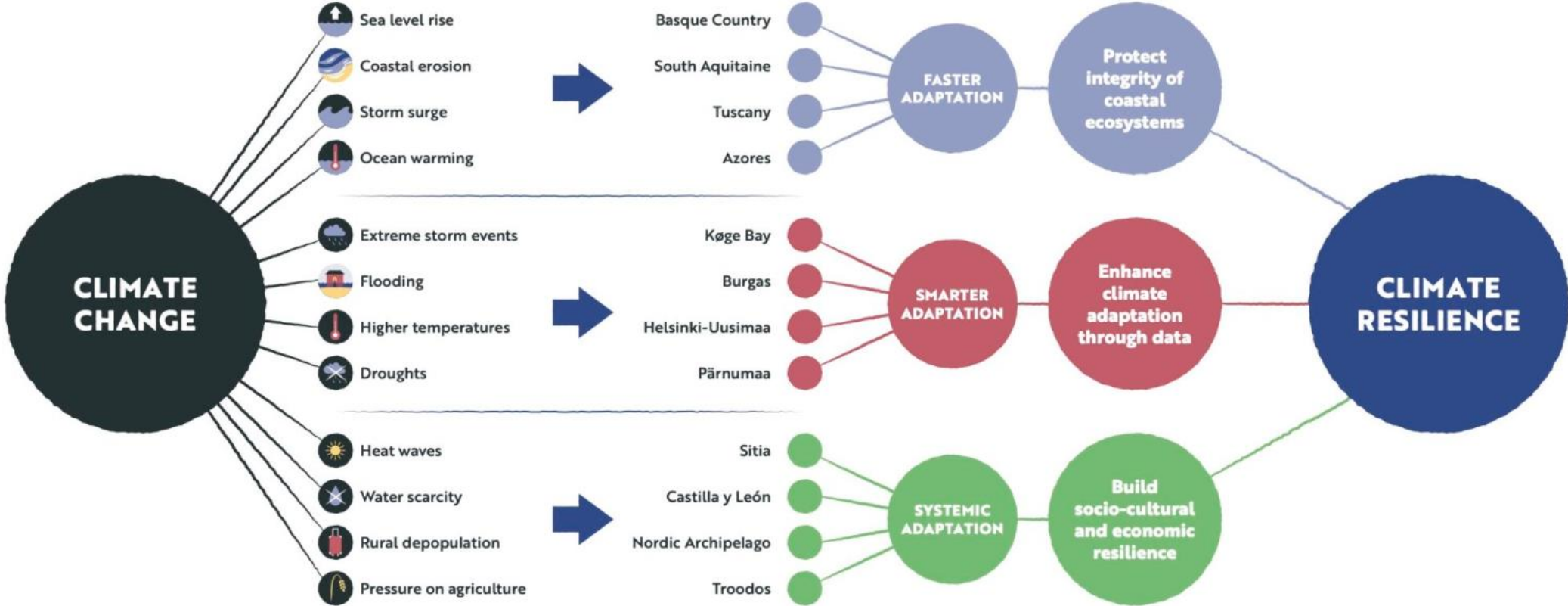
Objectives of the project

- Develop a comprehensive operational framework
- Scale up and deploy innovative socio-technological climate resilience solutions
- Generate and validate suitable solutions for just societal transformation

Facts about the project

- The European Commission's research and innovation program “Horizon Europe”
- 5 years (01.01.2023 – 31.12.2027)
- 44 partners from 13 European countries
- 12 demo regions
- 3 clusters
- Demo region from Estonia – Pärnumaa

Clusters:



Faster adaption:

- Protect and restore the coasts
- Examine opportunities for Blue Carbon Credits
- Educate and engage citizens towards resilience building
- Engage in cross-border actions

Demo regions:

- Basque Country (Spain)
- South Aquitaine (France)
- Azores (Portugal)
- Tuscany (Italy)

Systemic adaption:

- Develop and validate green social business models
- Collaboratively devise locally-attuned resilience strategies
- Engage local communities in resilience building activities
- Apply models and frameworks in support of the sustainable use of local resources

Demo regions:

- Sitia (Greece)
- Castilla y León (Spain)
- Nordic Archipelago (Sweden)
- Troodos (Cyprus)

Smarter adaptation:

- Improve the use of existing data
- Bridge science and policy using digital tools
- Support evidence-based and collaborative decision-making
- Increase citizens' awareness of climate issues, adaptation solutions and possible trade-offs

Demo regions:

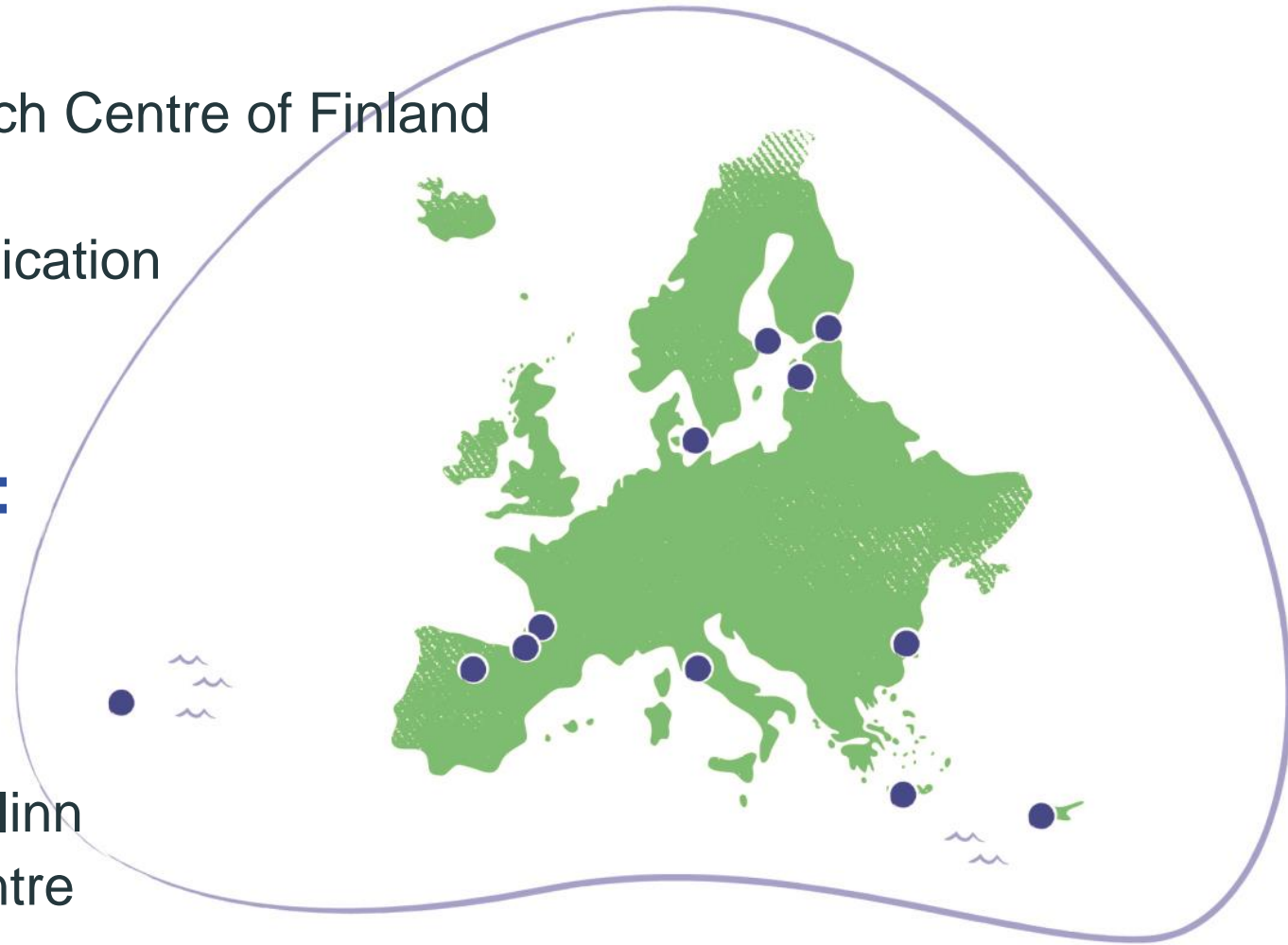
- Køge Bay (Denmark)
- Burgas (Bulgaria)
- Helsingi-Uusimaa (Finland)
- Pärnumaa (Estonia)

Becoming a demo region, partner(s) and successful application

- Coordinated by VTT Technical Research Centre of Finland
- Good (previous) connections
- Re-writing and supplementing the application
- Strong and experienced coordinator

Project partners from Estonia:

- City of Pärnu
- Pärnu County Development Centre
- Stockholm Environment Institute of Tallinn
- Estonian Environmental Research Centre



Activities planned in Pärnumaa:

1. map and study heat islands - map heat islands in the City of Pärnu and the surrounding area, study the possibilities of mitigating and preventing heat islands (modelling);
2. study and map landslide-prone areas - a study will be carried out, to update knowledge regarding landslide-prone areas in the City of Pärnu, corresponding map layers will be prepared;
3. start developing a digital tool in the City of Pärnu with the aim of making (planning) decision-making faster, easier and more science-based.

Project activities done in the first year (2023):

- A weather sensor network was set up in the City of Pärnu and its surrounding:
 - 01.06.2023 – 30.09.2026;
 - 50 weather sensors;
 - temperature and relative humidity;
 - analysis on data from the summer of 2023 done and presented
- Landslide study in the City of Pärnu:
 - by scientist from the University of Tartu;
 - update data on landslide prone and potentially landslide prone areas;
 - climate change impact on landslides in Pärnu County

Lessons learned so far:

- Needs of the region
- Application/Grant Agreement wording
- Motivated partners
- Communication
- Clear task distribution and documentation

**For more information about the
project visit**

<https://regions4climate.eu/>

Thank you!