



Green ICT Vaasa 2025 – Digitaalinen muutos kestävän ja kilpailukykyisen Euroopan ajurina



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Mission Board Member of Climate, EC DG Clima

Kaksoliissintyminen – vihreä ja digitaalinen muutos

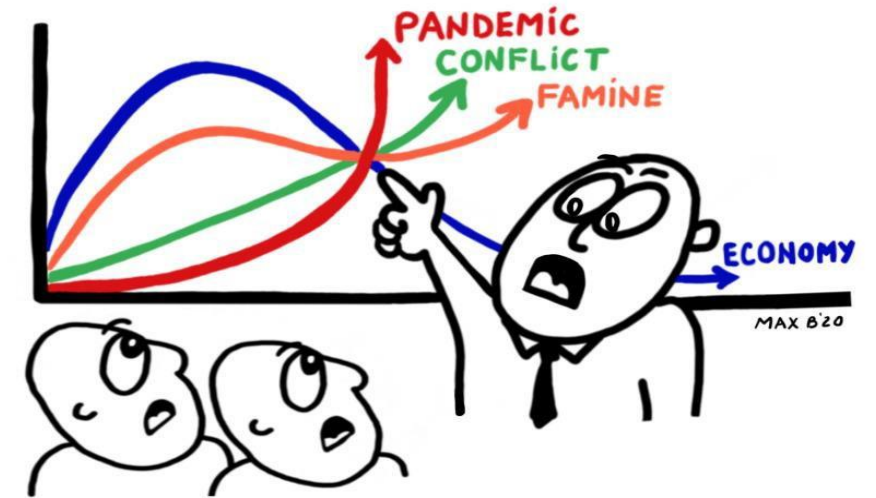
- Europe not prepared:
- 1trillion €/year cost of inaction



7 June forest fires . Photo EPA



Croatia March 2022



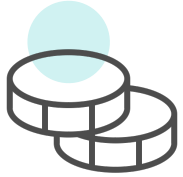
- The disasters are collaborating better than we are!

For Sustainable Growth

1. Wireless networks (5G/6G)
2. Artificial intelligence
3. Quantum technology and microelectronics
4. Biotechnology and new materials
5. Electrification

[handle/JRC102130](https://eurlibrary.europa.eu/handle/JRC102130)

EU Tutkimuskeskus JRC - Tiede politiikan tukena



About **EUR 600 million**
annual budget of which
about EUR 100 million
in contracts for third parties



3000+ open data sets



>100 economic,
bio-physical and nuclear models
>60 physical
research infrastructures



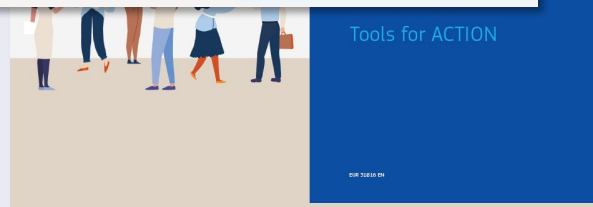
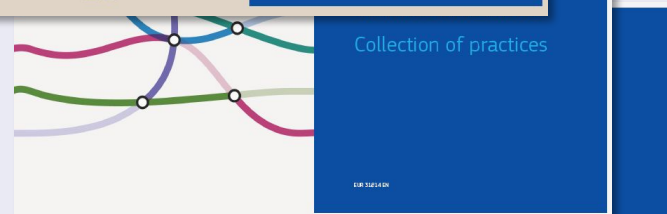
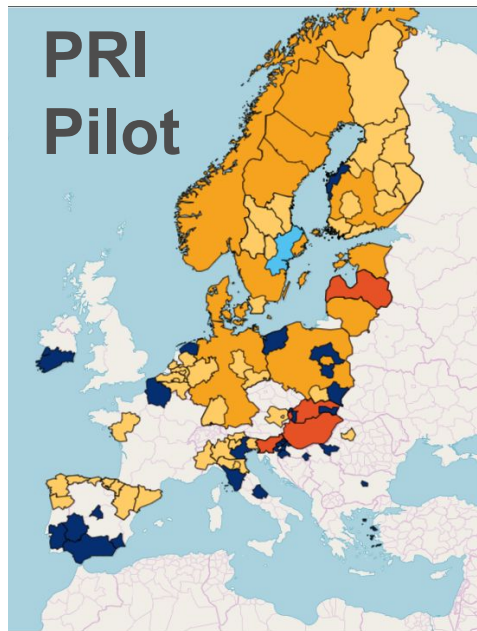
About **2.700** staff



The Joint Research Centre provides independent, evidence-based knowledge and science, supporting EU policies to positively impact society.

JRC- PRI & Paikkaperusteisuus

Website:
[place-based-innovation.
ec.europa.eu](https://place-based-innovation.ec.europa.eu)



2022

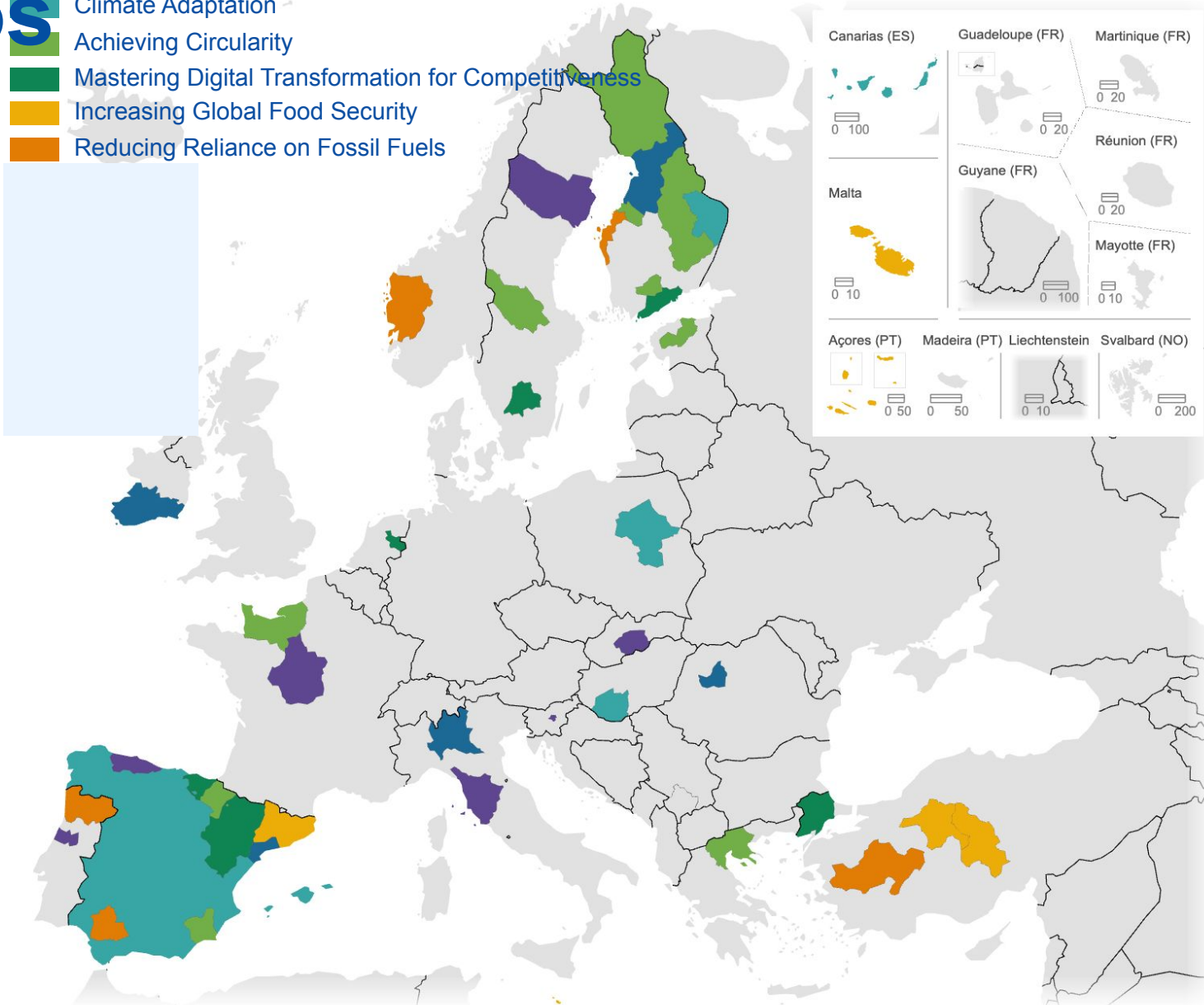
2023

2024

2024 - 2026

Systeminen muutos

- Just, green and digital transition through **socio-technical transformations**
- **Highlight** the need for all levels of governance in cohesion policy
- Place-based to **scale-up competitiveness**
- Preparatory Action will **feed EU Policy from 2027** – real impact in societal change



Toimiala ja paikkaperusteisuus

Sector-based dimension

High legitimacy
Creation of new markets
Innovation for competitiveness
Supply of capacities



Challenge-based dimension

Collective ownership
Directionality
Challenge-orientation
Multi-level governance
Cross-sectorial
"Action-ability"

EU:n kilpailukykykompassi

Experimenting with **Regulatory Sandboxes** to **accelerate decarbonisation** in EU regions

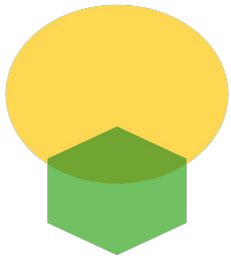


Experimenting new approaches to **innovate in the Agri-food sector** to build **resilient agricultural practices** and foster new regulatory learning

Exploring **multi-level governance** approach in **designing climate adaptation strategies**, in deploying **innovative digital tool for citizens**

INCITE – teolliset yritykset & muutos

INnovation **C**entre for **I**ndustrial **T**ransformation and **E**missions



INCITE is established under the EU Industrial Emissions Directive (IED).

It adds to the ‘Sevilla Process’ a **forward-looking mechanism** (beyond **best available techniques**).

INCITE will **promote innovation** and accelerate the **uptake of green innovative techniques**:

- **Integrated approach**: decarbonisation, resource efficiency, depollution & circular economy
- Initial focus on **Energy-Intensive Industries** (EII), later expand to all IED sectors.
- Target innovative techniques with **high technology readiness level (TRL > 6/7)**





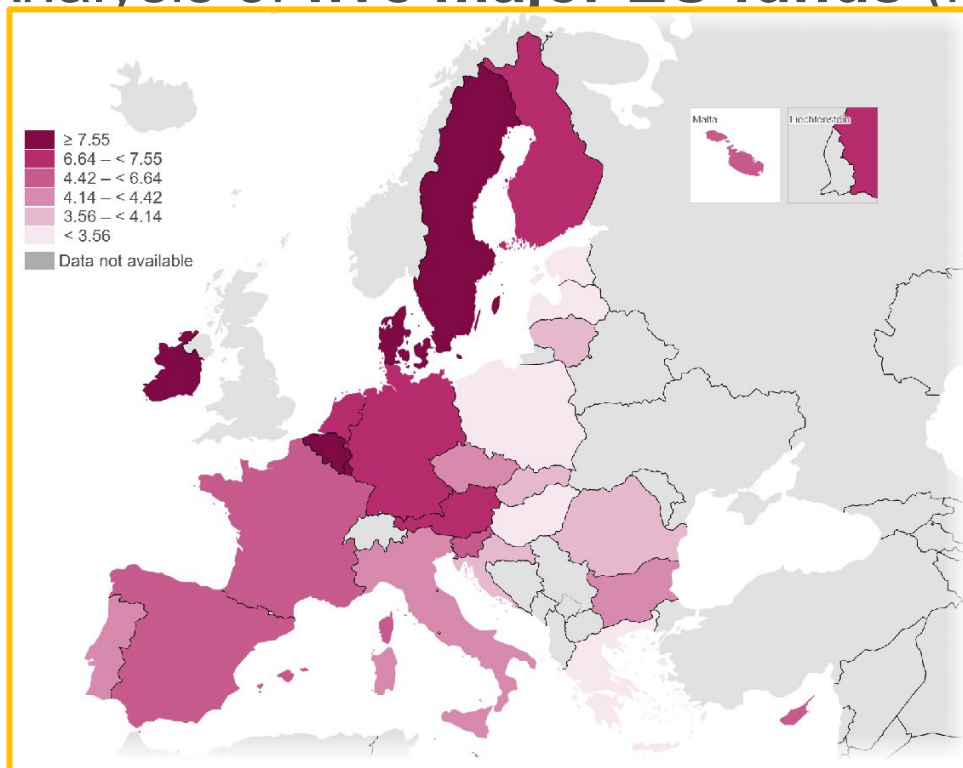
Generative AI Outlook Report

Exploring the Intersection of Technology, Society, and Policy

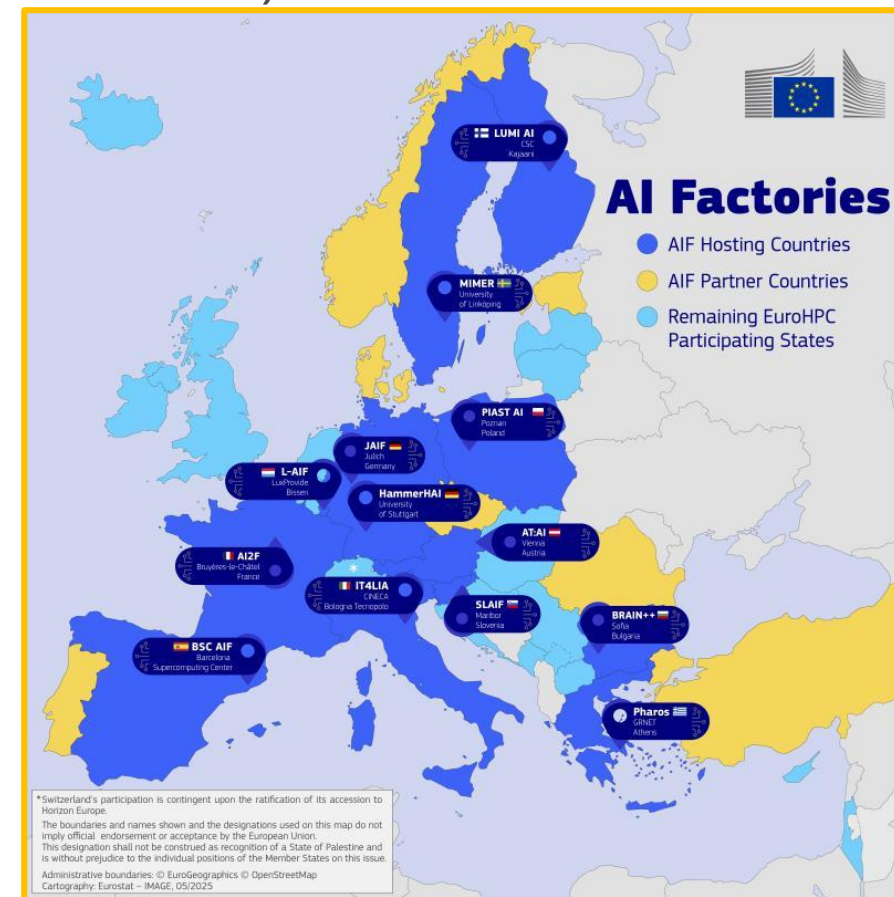


Digitaaliset investoinnit vahvistavat BKT:ta ja tuottavuutta; AI alueelliset erot merkittäviä

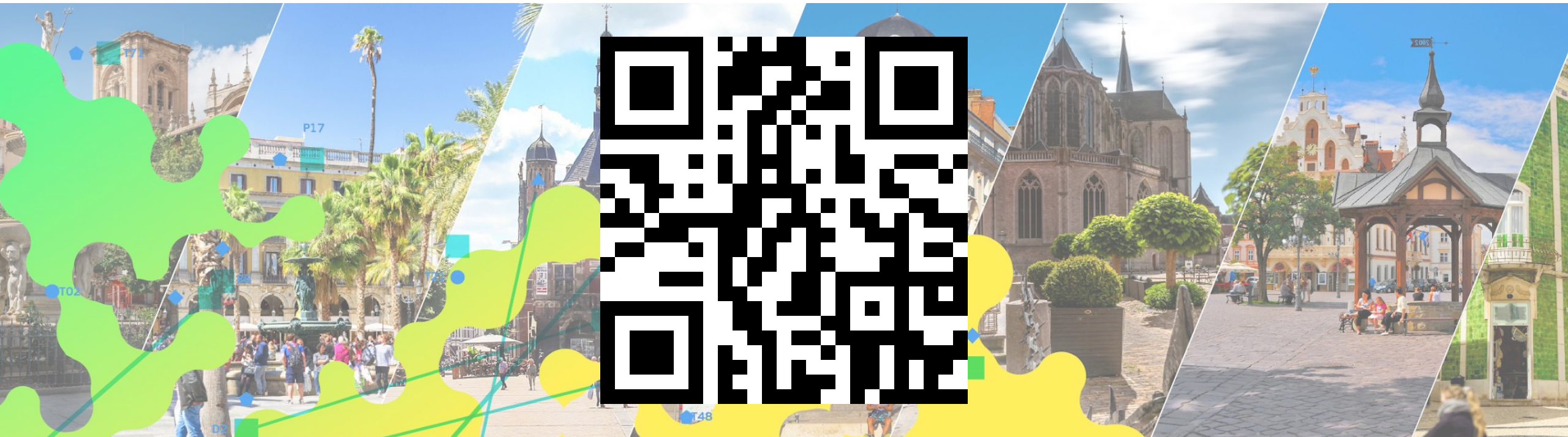
Analysis of five major EU funds (nearly €175 billion)



Long-run GDP multiplier



Big challenges the society is facing today – - 'Where it all happens' podcast



Thank you!