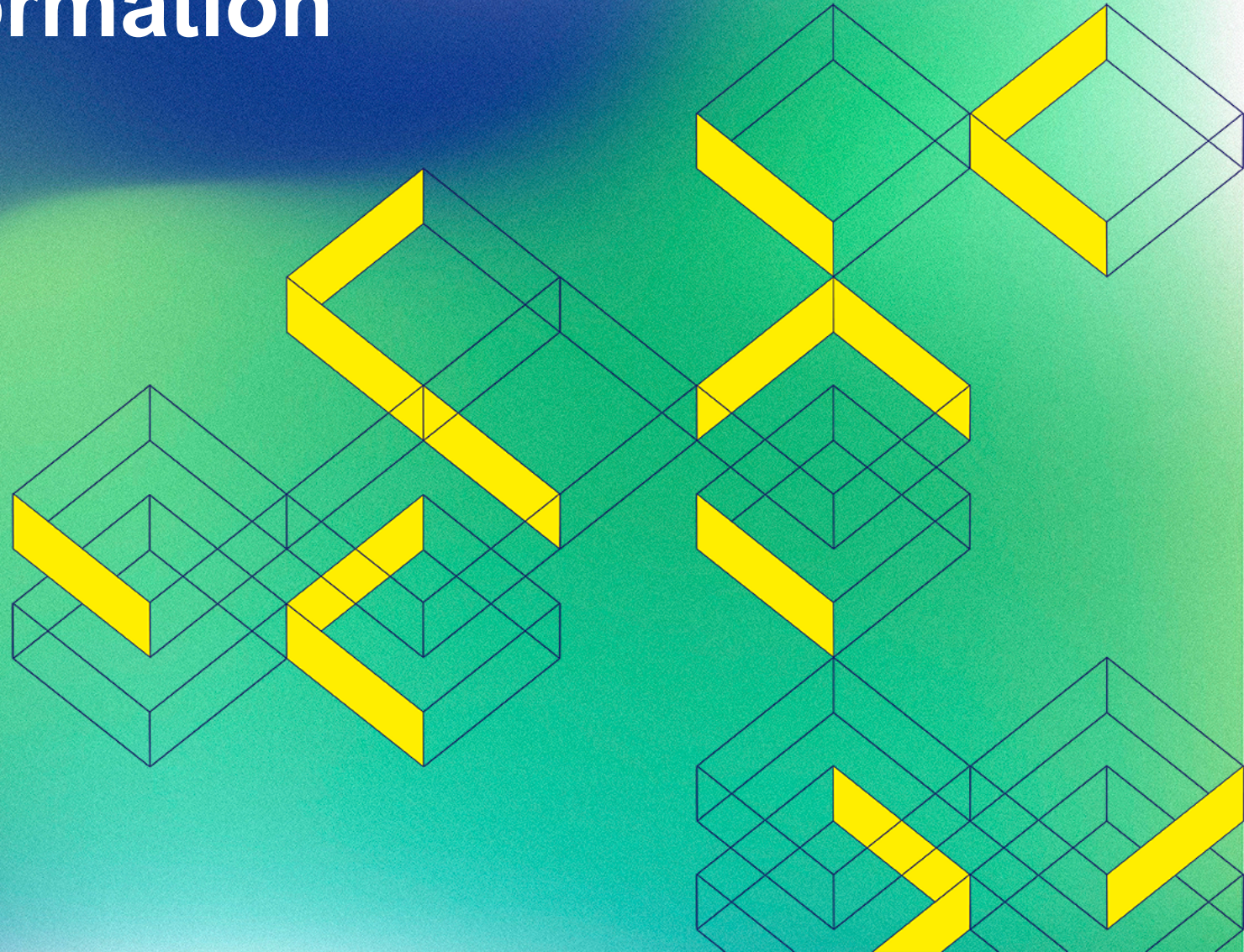


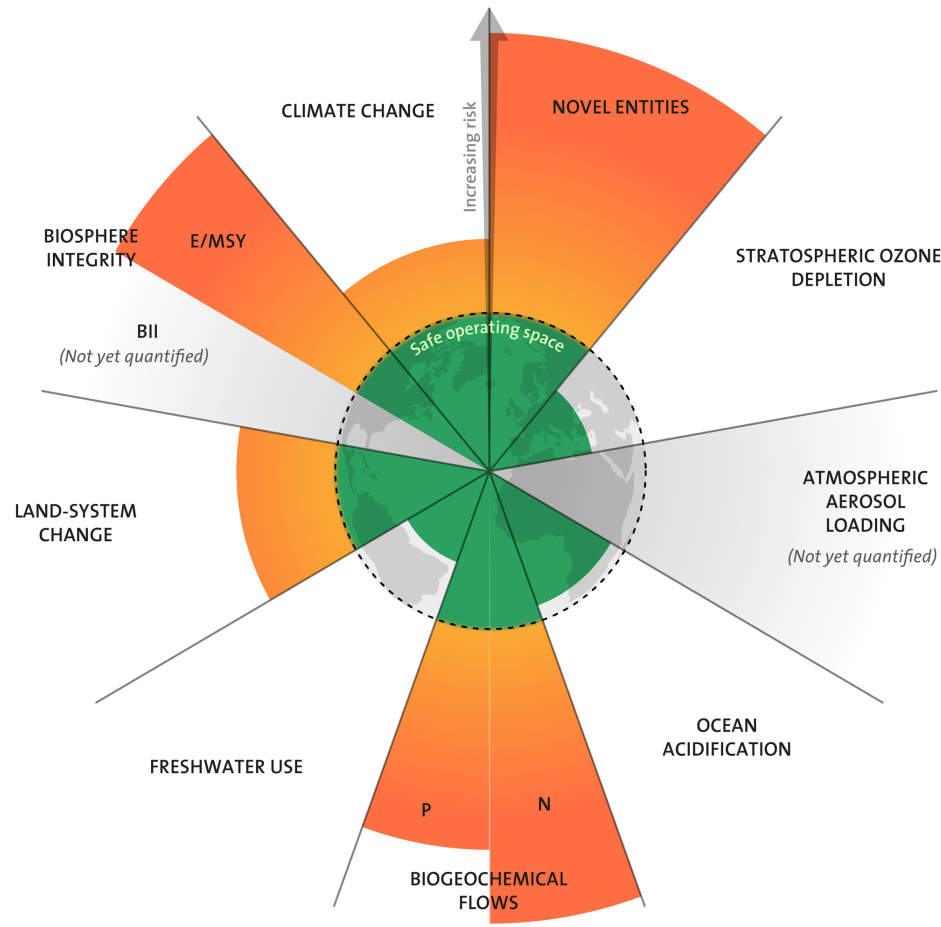
Place-based innovation... in times of Transformation

Johan Stierna
Lead scientist
JRC, European Commission

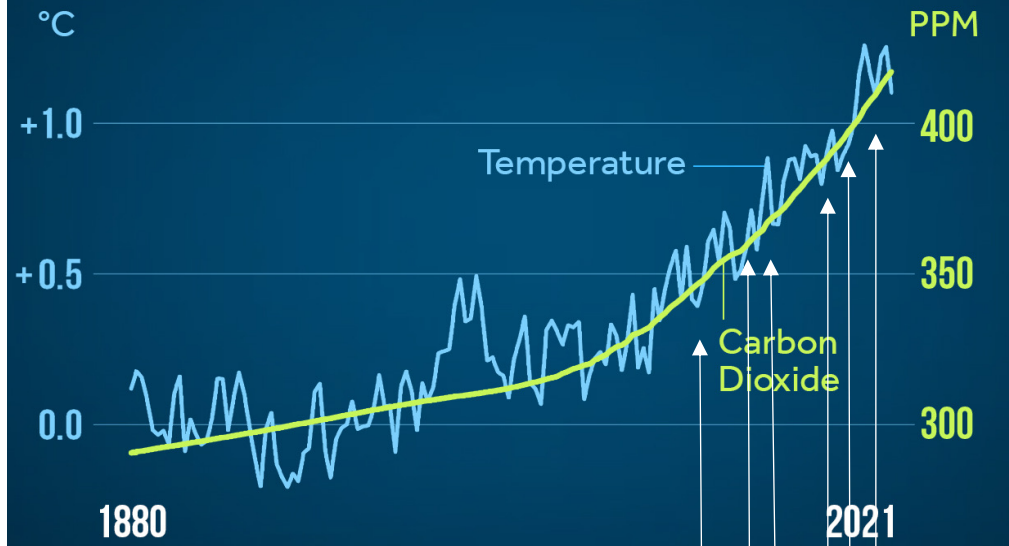
Presentation till Västerbotten
15 december 2023



Time to act is now - unilateral growth or COP?



TEMPERATURE & CARBON DIOXIDE



1979: First World Climate conference

1990: first IPCC Assessment report

1995 first UN Climate Change Conference

2005 Kyoto protocol came into force

2009: Copenhagen accord

2015 Paris Agreement Adopted

Historical transformation...

- **Historical transformations of mobility, energy and other societal systems** - in parallel with climate change and threat to **planetary boundaries**
- International competition and cooperation: New **Industrial** policy (Open Strategic Autonomy) and **Security** dimension
- **Transformation imperative:** *Transform or be transformed*
- **Fairness:** Diverse impact on regions, cities, on sector and workers:
⇒ Regions/cities as engines of **Europe's transformation towards competitive sustainability**

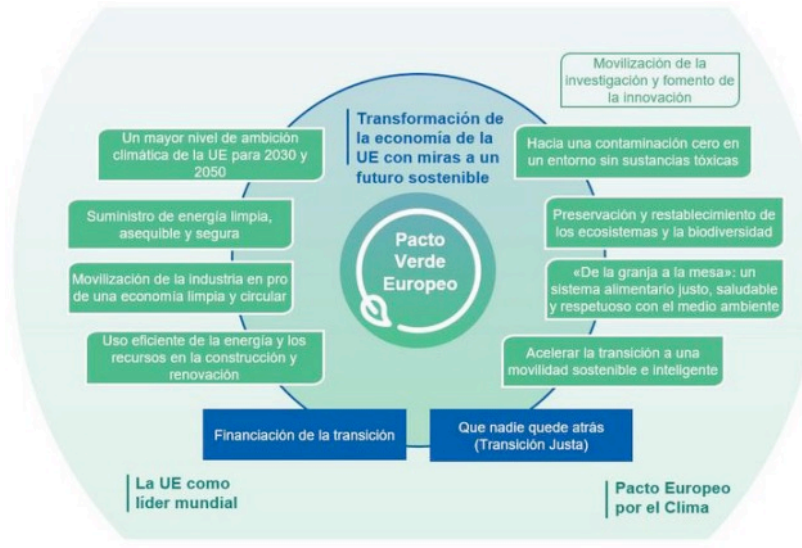
Transformative EU policy – Supply + Demand

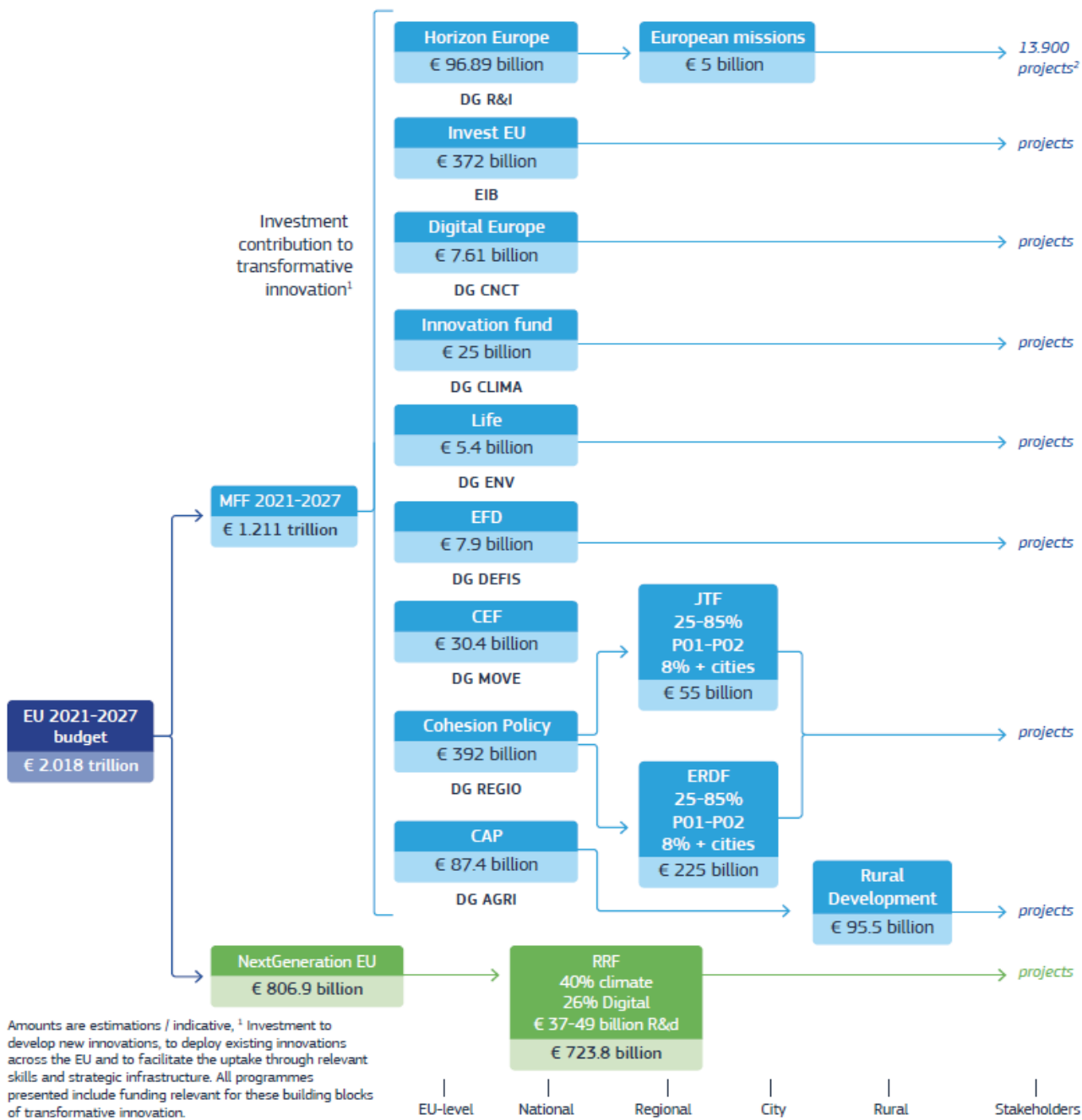
resources + regulations + reforms + infrastructure + trade

Digital agenda

European Green Deal

Global responsibility





Amounts are estimations / indicative, ¹ Investment to develop new innovations, to deploy existing innovations across the EU and to facilitate the uptake through relevant skills and strategic infrastructure. All programmes presented include funding relevant for these building blocks of transformative innovation.

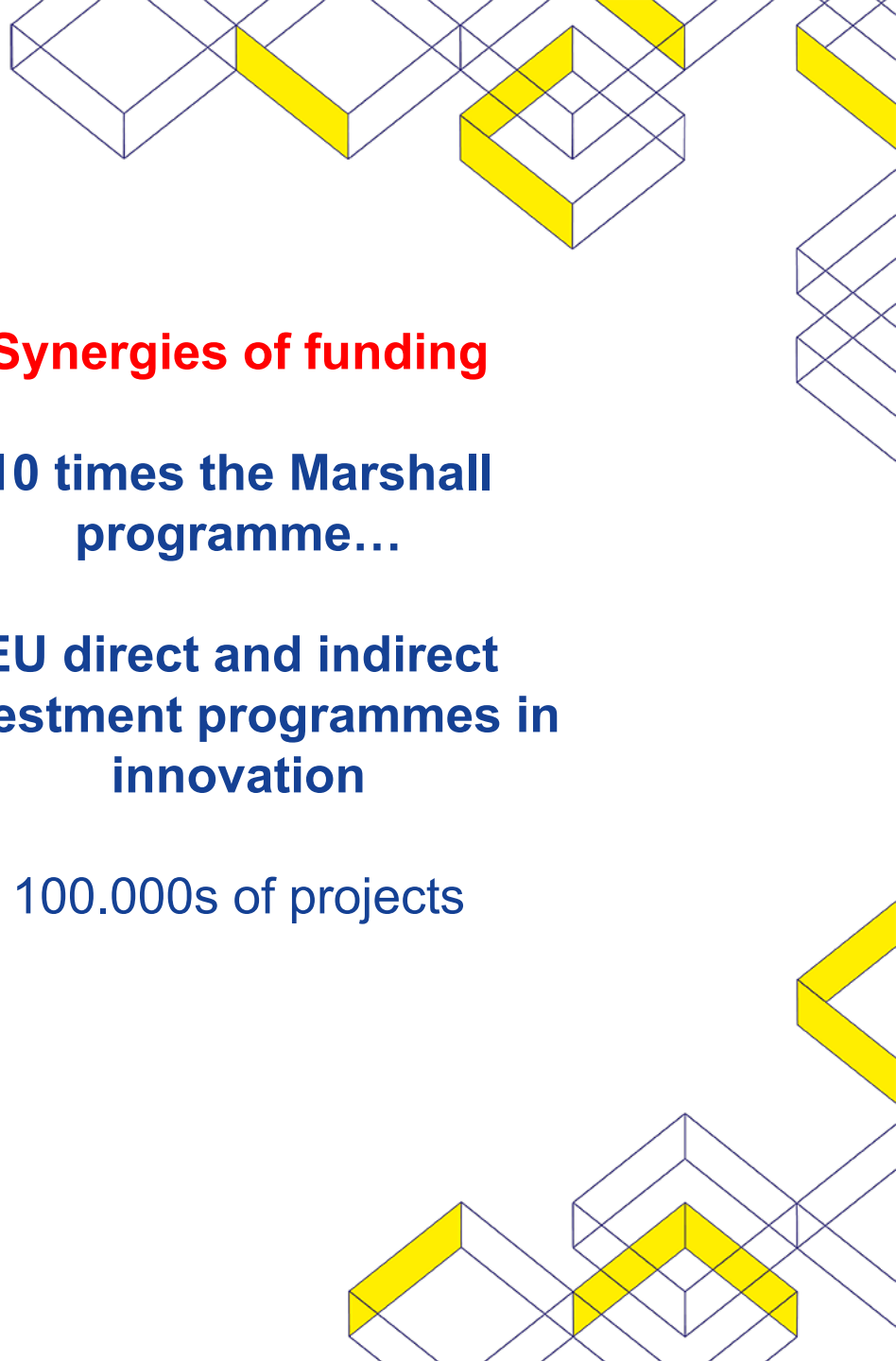
² 2014-2016 period only. FP7 had up to 25.000 projects of different size. The last Horizon 2020 'Green Deal' call has 73 ongoing large-scale projects.

Synergies of funding

10 times the Marshall programme...

EU direct and indirect investment programmes in innovation

100.000s of projects



The PRI Pilot

4 Member States



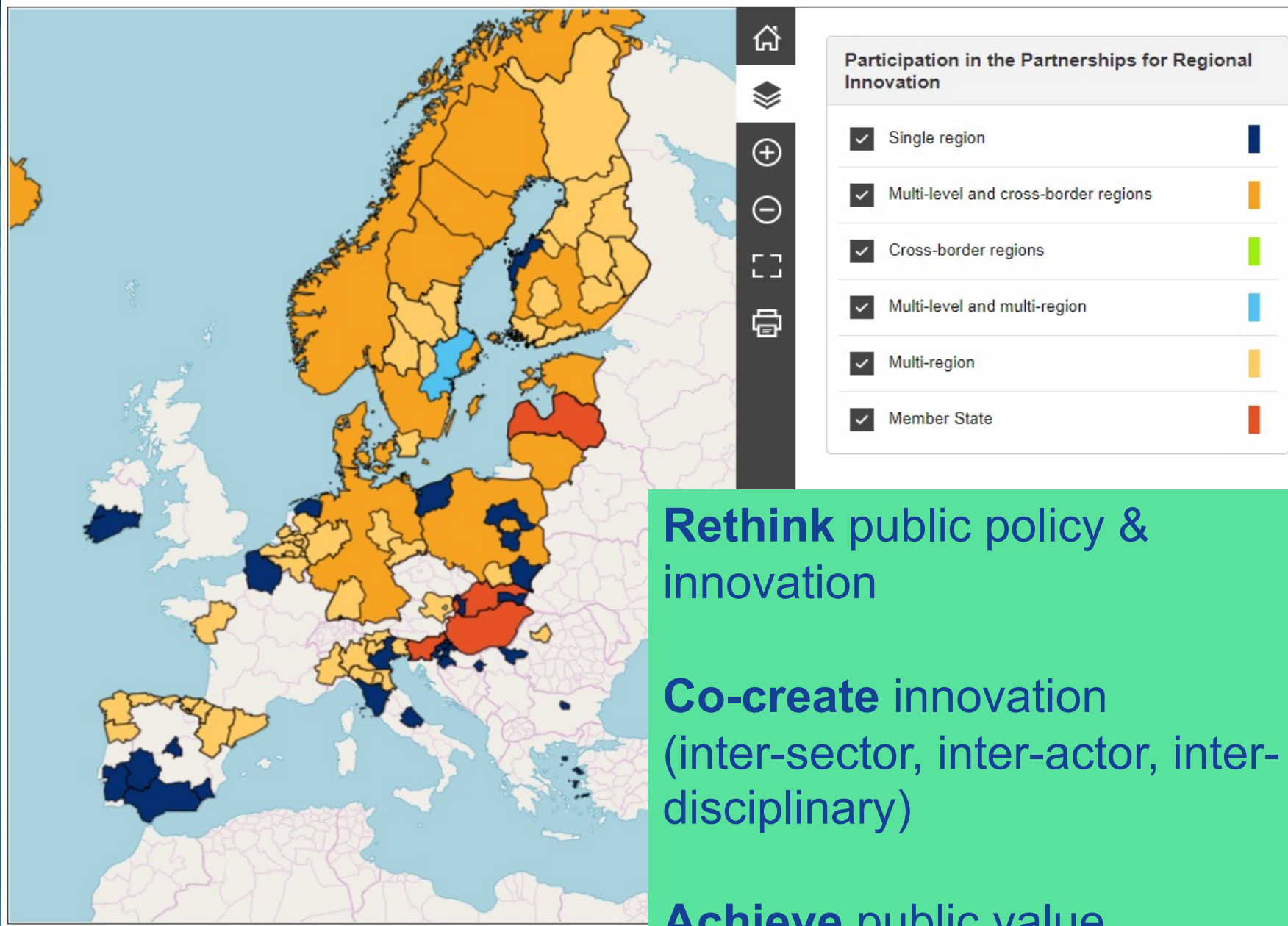
7 Cities



63 Regions



74 Territories in total



Rethink public policy & innovation

Co-create innovation
(inter-sector, inter-actor, interdisciplinary)

Achieve public value



Bottom-up - principal features of PRI

Directionality: Green Deal and Digital Transition

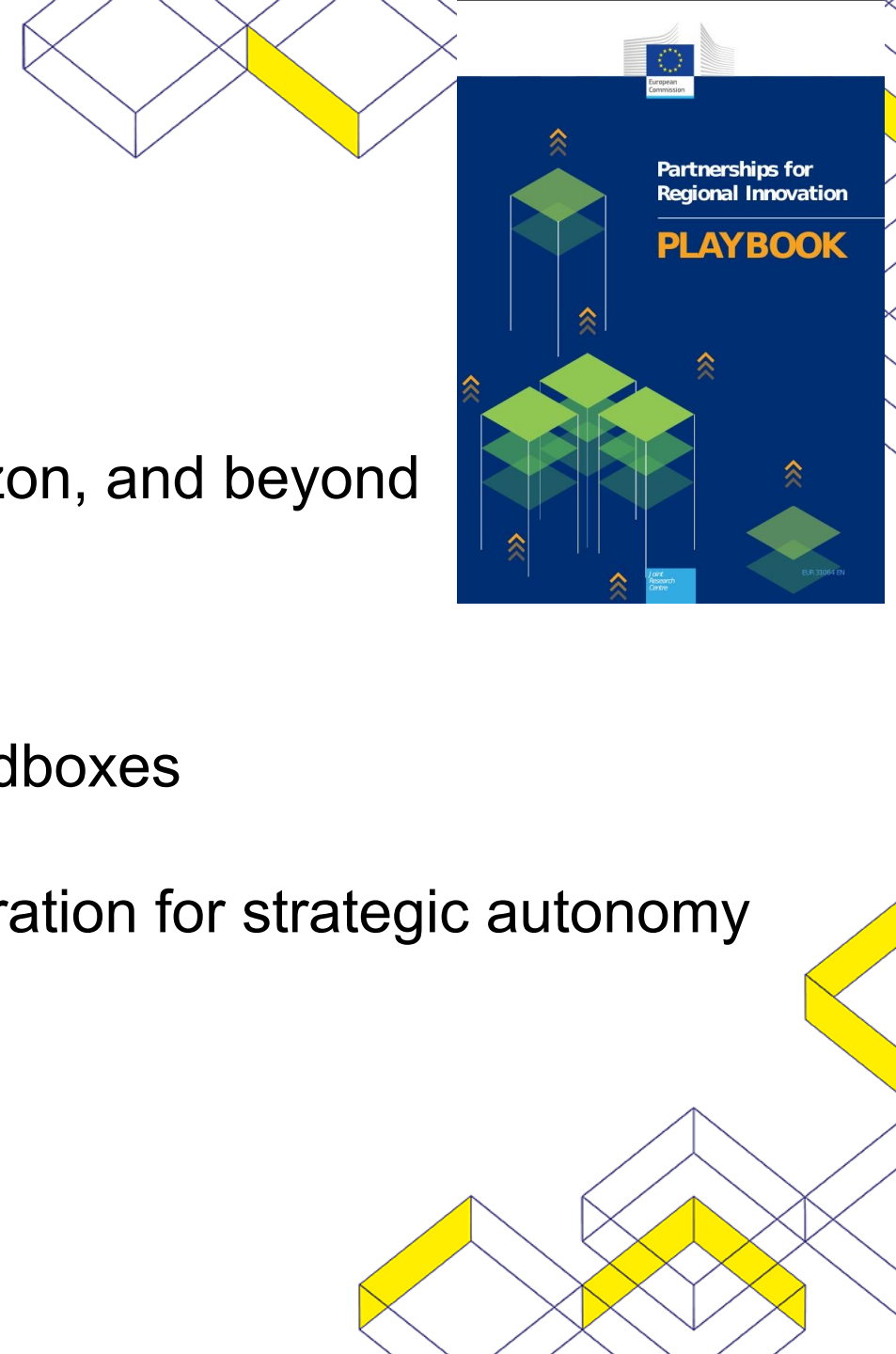
Synergies of funding: Cohesion Policy, RRF, Horizon, and beyond

Governance: horizontal and vertical integration

Experimentalism: regional/local missions and sandboxes

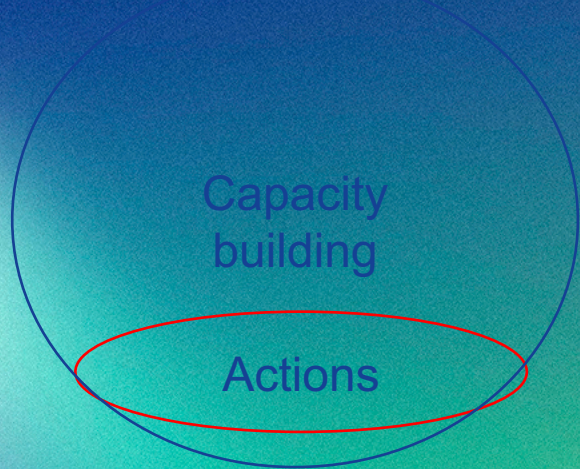
Pan-European value-chains: interregional collaboration for strategic autonomy

Scientific framework: dealing with trade-offs



Looking ahead 2024-

- **Regional Innovation Valleys**
- **Pilot with European Parliament collaborating with the Committee of the Regions**
- **Open-up and deepening collaboration**
- **Awareness, capacity and concrete actions**



European Committee of the Regions



<https://s3platform.jrc.ec.europa.eu/pri-playbook>

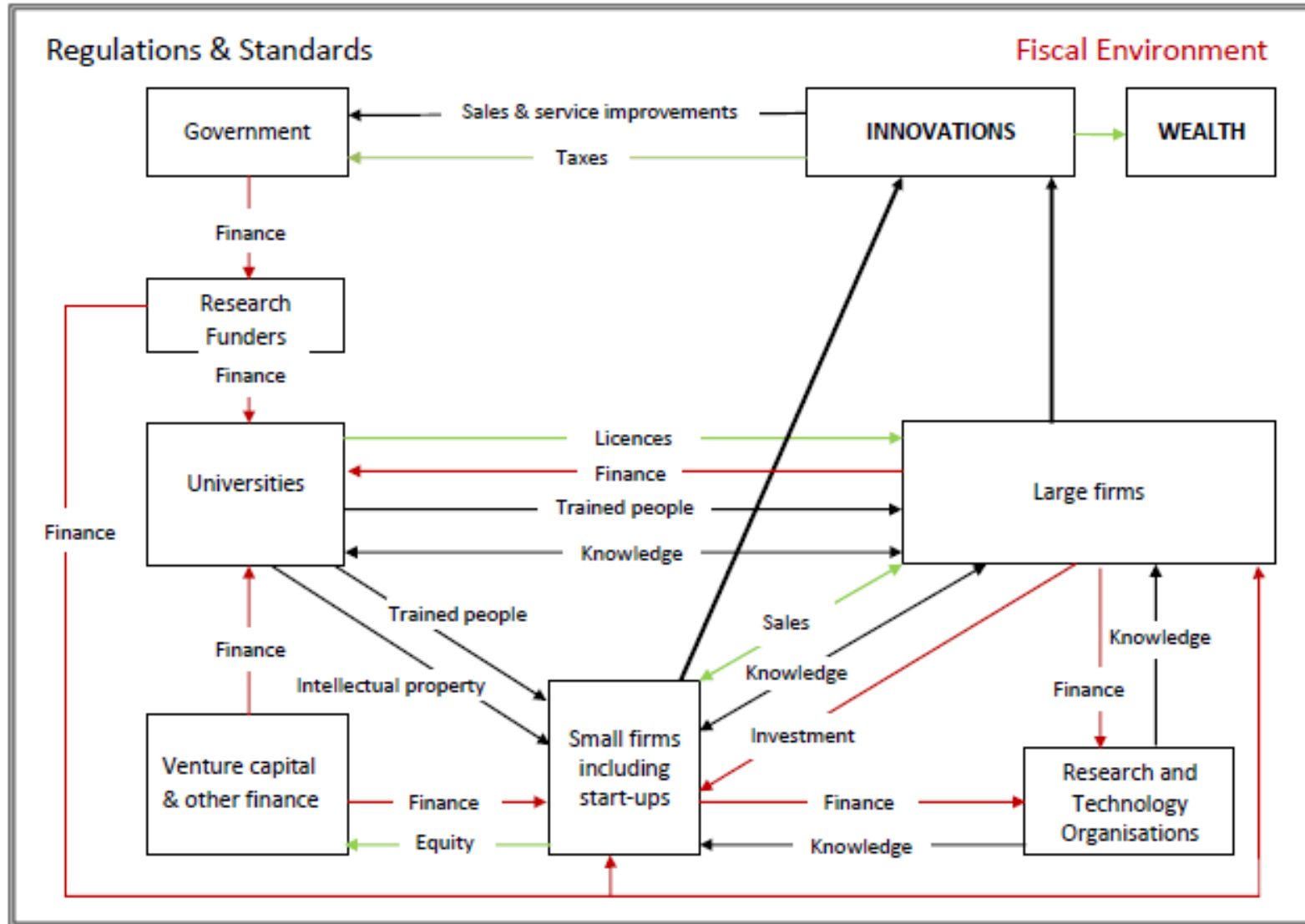
Synergies with EU missions

PRI explores **local missions** – bottom-up and complementing EU missions

Synergies with regional development and innovation



New place-based innovation systems



Conclusions and reflections

- Strengthen **transformative innovation** policy and capacity building
- Use **Regional Innovation Valleys and EU missions** to learn with other regions and create the value chains for the net-zero economy
- Local communities and civil society need to become **key agents in ensuring the long-term success and social acceptance** of the deep transition to sustainability.
- The key role of businesses/industry in systemic transformation: requires policies to **accompany firms in their sustainability transitions**, creating markets and facilitating ecosystems.