



ESAPPIN

Living Lab NRW

**Assuring food security and biodiversity
in times of climate change**



The ECO-READY Living Labs

01 Mediterranean & South Europe

- THALLA, Greece
- AideMe, Italy
- CONCAT LL, Spain

02 Central & Eastern Europe

- EcoReadyMasuria, Poland
- PROBIO, Czech Republic
- EcoVitaLL, Hungary

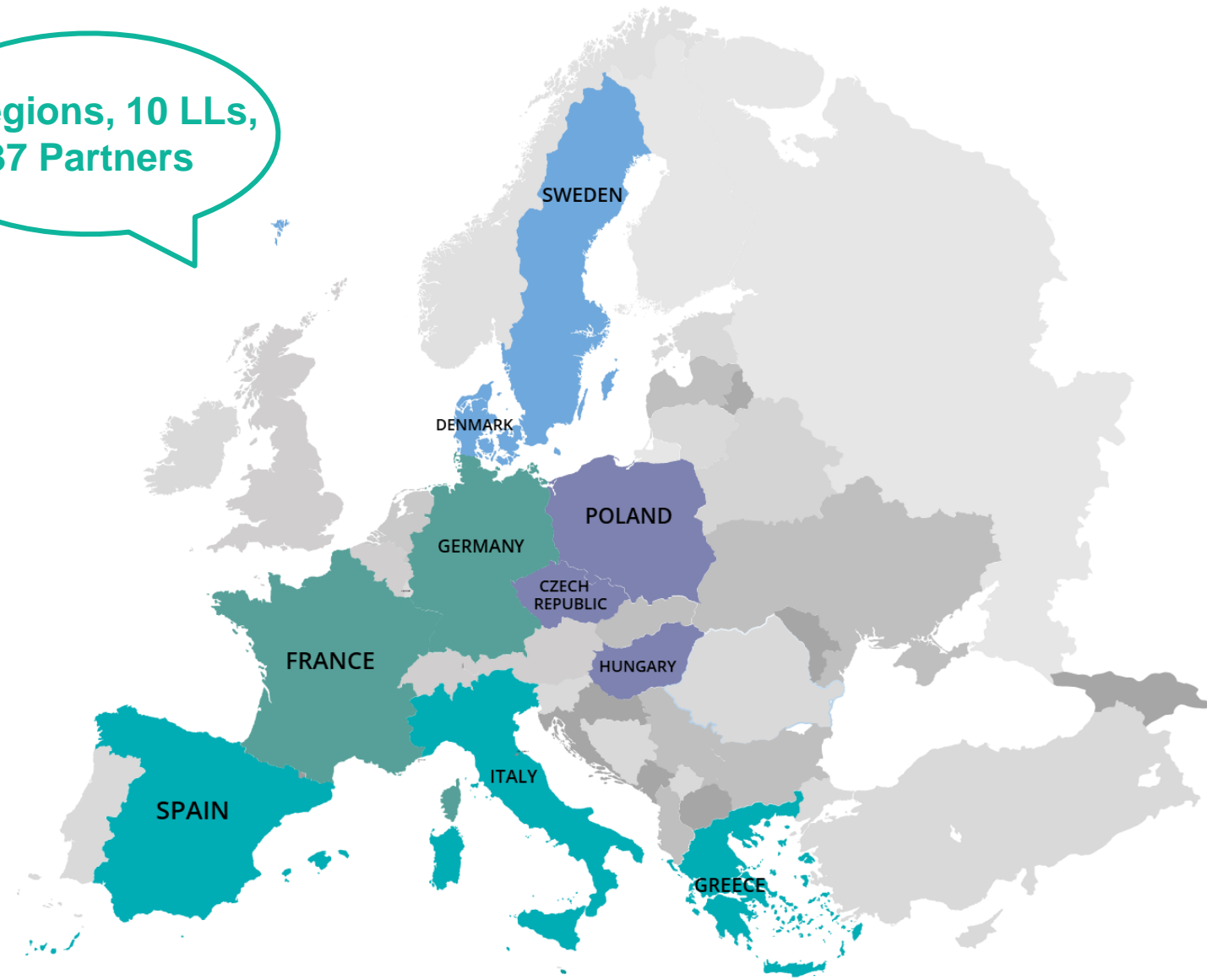
03 North-Western Europe

- ESAPPIN, Germany
- LOFS, France

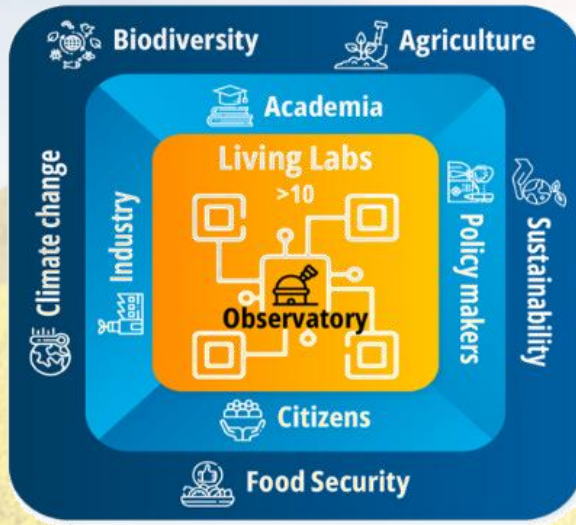
04 Scandinavian & Baltic

- LivOrganic, Denmark
- SECO-Collab, Sweden

4 Regions, 10 LLs,
37 Partners



ESAPPIN – ECOREADY Living Lab



Fill knowledge gaps

Improve short/long term monitoring

Address customer needs

Data collection

Each Living Lab:

- examines specific food products, taking into account regionally relevant climate change and economic impacts
- tests mitigation measures and generates data to improve understanding and develop new policy recommendations.



Living Lab: Testing innovative approaches together under real-world conditions



- **Living Lab in the Lippe district:** seven agricultural enterprises
- The following **products** are being studied:
 - Barley, oats, rapeseed, mushrooms, raspberries/strawberries
- Extended focus on **processed products** – Examination of crops/plants not only for primary use but also for further processed products
- **Technological approach:** Data-driven analysis using weather, soil, topography, and Earth observation data in combination with direct scientific analysis of the produced crops



Kreis Lippe

- 16 cities and municipalities
- Total area of the district: 1,246.22 km²:
 - Settlement: 17.5%
 - Traffic: 5.2%
 - Vegetation: 81.7%
 - Water bodies: 0.8%
- Various cooperation projects have emerged with **municipalities, companies, institutions, initiatives, and schools**, e.g. **KlimaPakt Lippe** – Umbrella brand and network for climate protection activities of the "Environmental Department" in the Lippe district or **Climate Partnership with Ghana**

Partners sought

- The ESAPPIN Living Lab aims to create a substantial impact on various target stakeholders. We are looking for partners, including **communities of users, farmers, food processors, retailers, and policymakers** for future projects focusing on **food security, biodiversity and sustainable agriculture**.

Contact



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