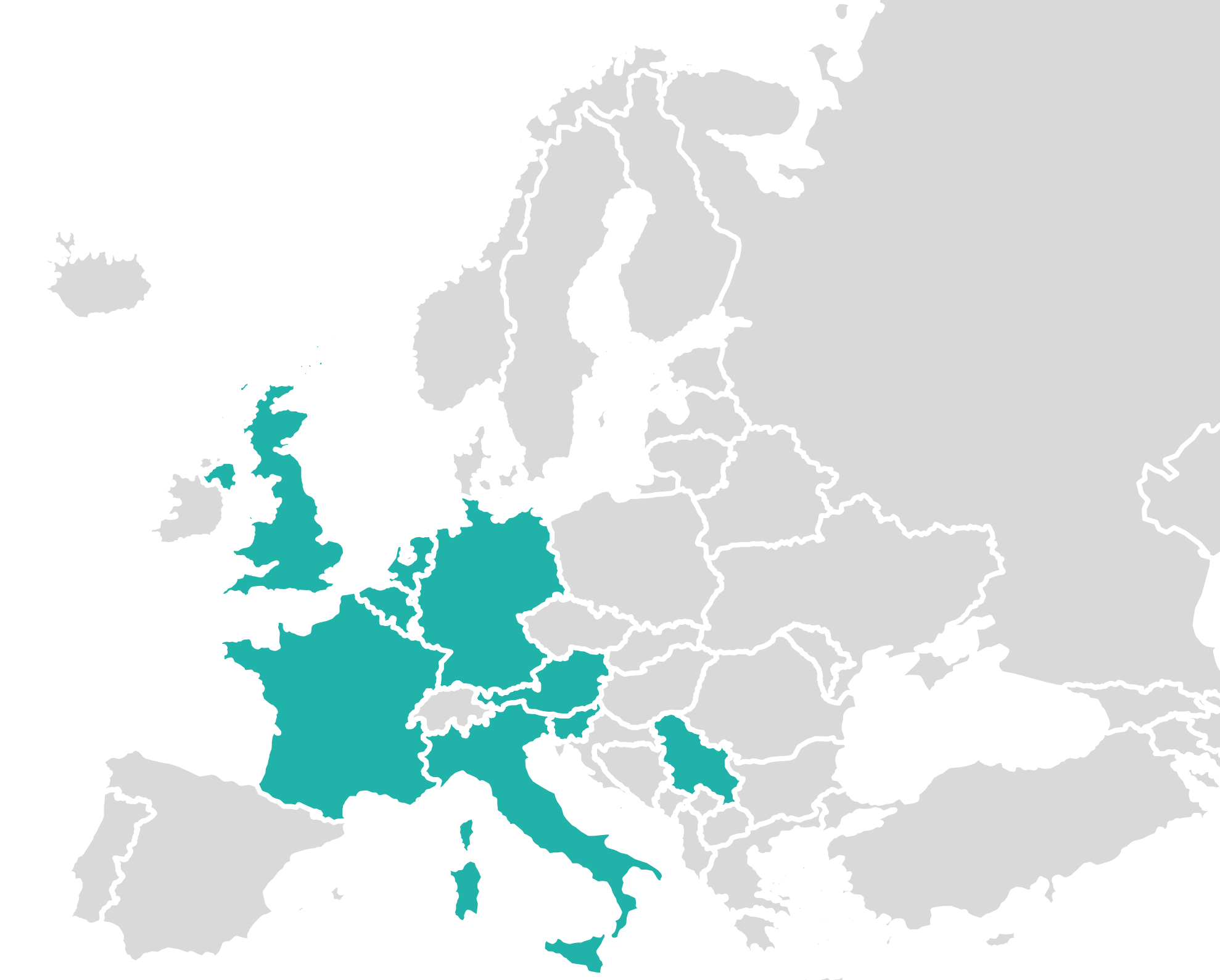




LandSense: A Citizen Observatory and Innovation Marketplace for Land Use and Land Cover Monitoring

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Overview

Assess current practices, user requirements and barriers of present Land Use and Land Cover (LULC) technologies and illustrate the potential extension of such applications from the incorporation of *in-situ* citizen observatories.

Build the LandSense engagement platform for the collection, integration, management, and contextualized presentation of LULC information by key stakeholders (i.e. extending existing technology and adopting citizen-driven observations).

Deliver four innovative and scalable LULC services - LandSense Campaigner, Farmland Support, Change Detector, and Quality Assurance & Control - and implement a strategy detailing the sustainable exploitation of these technologies post-project.

Demonstrate the quality, confidence and added value of *in-situ* citizen-driven observations and citizen engagement for improved LULC monitoring via three demonstration cases covering different themes.

Promote the uptake of LandSense technologies, solutions, and products for large-scale LULC monitoring across the EU and beyond through the LandSense Services Incubator comprised of key stakeholders from various sectors.

Impacts

Reduce the costs of *in-situ* data collection for LULC calibration/validation activities and offer a significant spatial-temporal extension to the *in-situ* component of the GEOSS and Copernicus initiatives.

Empower citizens via a range of activities from data collection to knowledge exchange with stakeholders, using LandSense tools for collaborative mapping, opinion surveys and informed decision-making.

Enhance the implementation of local and global policy objectives, while engaging citizens to contribute to environmental multi-level governance in terms of increased transparency, accountability and responsiveness.

Foster an innovation community in the area of *in-situ* monitoring for LULC by coordinating with ongoing and forthcoming citizen observatories to align activities, interests and networks.

Increase Europe's role in the business of *in-situ* monitoring through the development of four scalable services and the creation of an innovation marketplace for sustainable market uptake.

17 Partner Institutions

9 Countries

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Concept

