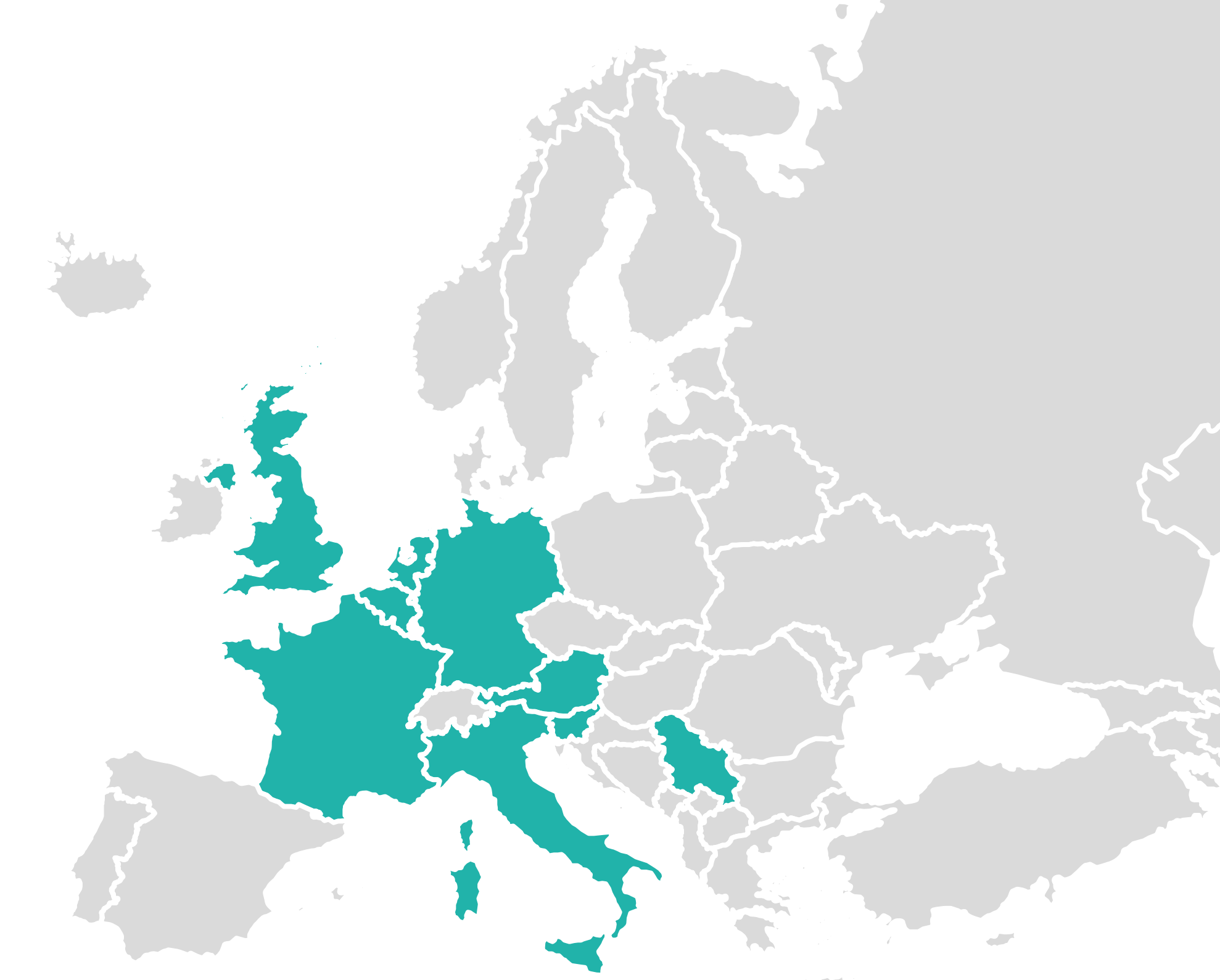




LandSense: A Citizen Observatory and Innovation Marketplace for Land Use and Land Cover Monitoring

International Institute for Applied Systems Analysis



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.

18 Partner Institutions

9 Countries

Duration:
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Concept

