

LANDSENSE PARTNERS

18 Partner institutions

9 Countries

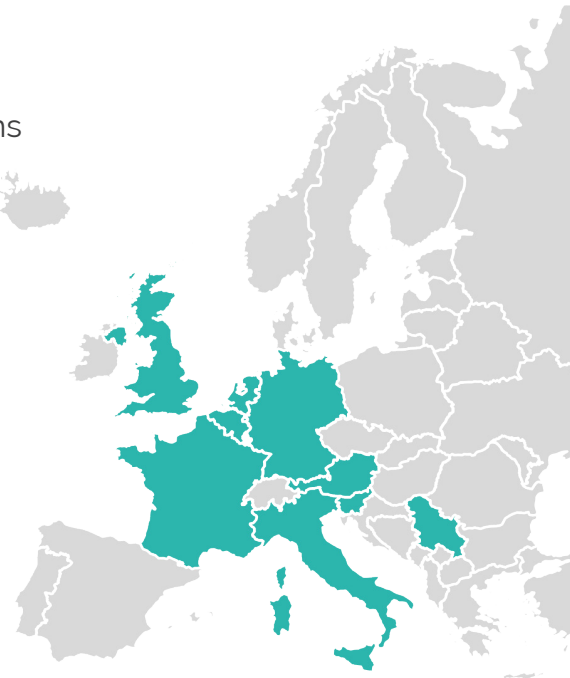
5 Research institutes

6 SMEs

3 NGOs

3 Public authorities

1 Professional network



WANT TO LEARN MORE ABOUT LANDSENSE?

Contact information

www.landsense.eu



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@LandSense

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LANDSENSE

A CITIZEN OBSERVATORY AND
INNOVATION MARKETPLACE FOR
LAND USE AND LAND COVER
MONITORING

The LandSense project has received funding from the
European Union's Horizon 2020 Research and Innovation
Programme under grant agreement No 689812



INTRODUCING LANDSENSE

LandSense connects citizens with satellite imagery to **CREATE** new knowledge about the planet, **INNOVATE** citizen-powered science for impact, **KICKSTART** an EO-enabled crowdsourced economy, and **SUPPORT** environmental decision making.

LandSense is building an innovative citizen observatory for Land Use & Land Cover (LULC) monitoring, by connecting citizens with satellite imagery to transform current approaches to environmental decision making. LandSense aims to uncover the collective potential of citizen science and Earth observation (EO) data to improve the way people see, map and understand the world.

Citizen Observatories are community-driven mechanisms to complement existing systems for improved environmental monitoring. They are fostered through innovative and novel EO mobile applications, allowing citizens to not only play a key role in LULC monitoring, but also to be directly involved in the co-creation of such solutions. As such, the contributions and collaboration of citizens play a vital role in LandSense.

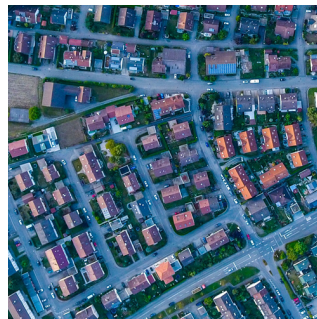
A series of LandSense tools and services will be demonstrated across three LandSense Themes to illustrate the power and flexibility of the LandSense Citizen Observatory to tackle different environmental monitoring issues.

To find out more, visit:

www.landsense.eu



LANDSENSE THEMES



URBAN LANDSCAPE DYNAMICS

Austria, France, Germany, Netherlands

The Urban Landscape Dynamics theme focuses on engaging citizens via mobile applications to discover land change in urban and peri-urban areas. Pilot cases will be implemented in Amsterdam, Toulouse, Vienna and Heidelberg to engage citizens in monitoring their local environment.



AGRICULTURAL LAND USE

Serbia

The Agriculture Land Use theme focuses on leveraging the power of EO systems and advanced crowdsourcing techniques to deliver value added services to European farmers and public authorities in the agricultural sector. Demonstration cases are planned for Serbia.



FOREST & HABITAT MONITORING

Spain, Indonesia

The Forest & Habitat Monitoring theme will trigger volunteer networks for in-situ data collection to help monitor protected areas within BirdLife International Important Bird and Biodiversity Areas (IBAs) and Key Biodiversity Areas (KBAs) through networks in Spain and Indonesia.

LANDSENSE ENGAGEMENT PLATFORM

"Through citizen-powered science LandSense aims to deliver concrete, measurable and quality-assured ground-based data that will complement existing monitoring systems."

Dr. Steffen Fritz – LandSense Coordinator

An important part of the LandSense Citizen Observatory is the LandSense Engagement Platform, a service platform comprised of highly marketable EO-based solutions that contribute to the transfer, assessment, valuation, uptake and exploitation of LULC data and related results.

The platform will offer collaborative mapping functionalities to allow citizens to view, analyze and share data collected from different campaigns and create their own maps, individually and collaboratively. In addition, citizens can participate in ongoing LandSense demonstration cases using their own devices (e.g. mobile phones and tablets), through interactive reporting and gaming applications, as well as launching their own campaigns.

This interaction is achieved by bringing together and extending various key

pieces of technology like: Geo-Wiki, LACO-Wiki, Geopedia, Sentinel Hub and the Earth Observation Data Centre.

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