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

Contact information
www.landsense.eu
@LandSense
info@landsense.eu

Dr. Steffen Fritz
International Institute for Applied Systems Analysis (IIASA)
Schlossplatz 1
2361 Laxenburg, Austria

18 Partner institutions
9 Countries
5 Research institutes
6 SMEs
3 NGOs
3 Public authorities
1 Professional network

Want to Learn More About LandSense?

A Citizen Observatory and Innovation Marketplace for Land Use and Land Cover Monitoring
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**

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**

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**

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 (KBA) 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, 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 even 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.

To find out more, visit: www.landsense.eu