

LANDSENSE



Coupling citizen science and earth observation data to promote environmental monitoring

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Center for Earth Observation & Citizen Science International Institute for Applied Systems Analysis



Motivation

Improving the quality of Earth Observation (EO)-based Land Use & Land Cover (LULC) maps/products

Transforming the conventional top-down approach to EO-based monitoring

Leveraging citizen science and crowdsourcing methods to engage people in environmental monitoring & stewardship

https://zenodo.org/communities/landsense/











70+ dissemination events



5+
open access datasets



The project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement no 689812



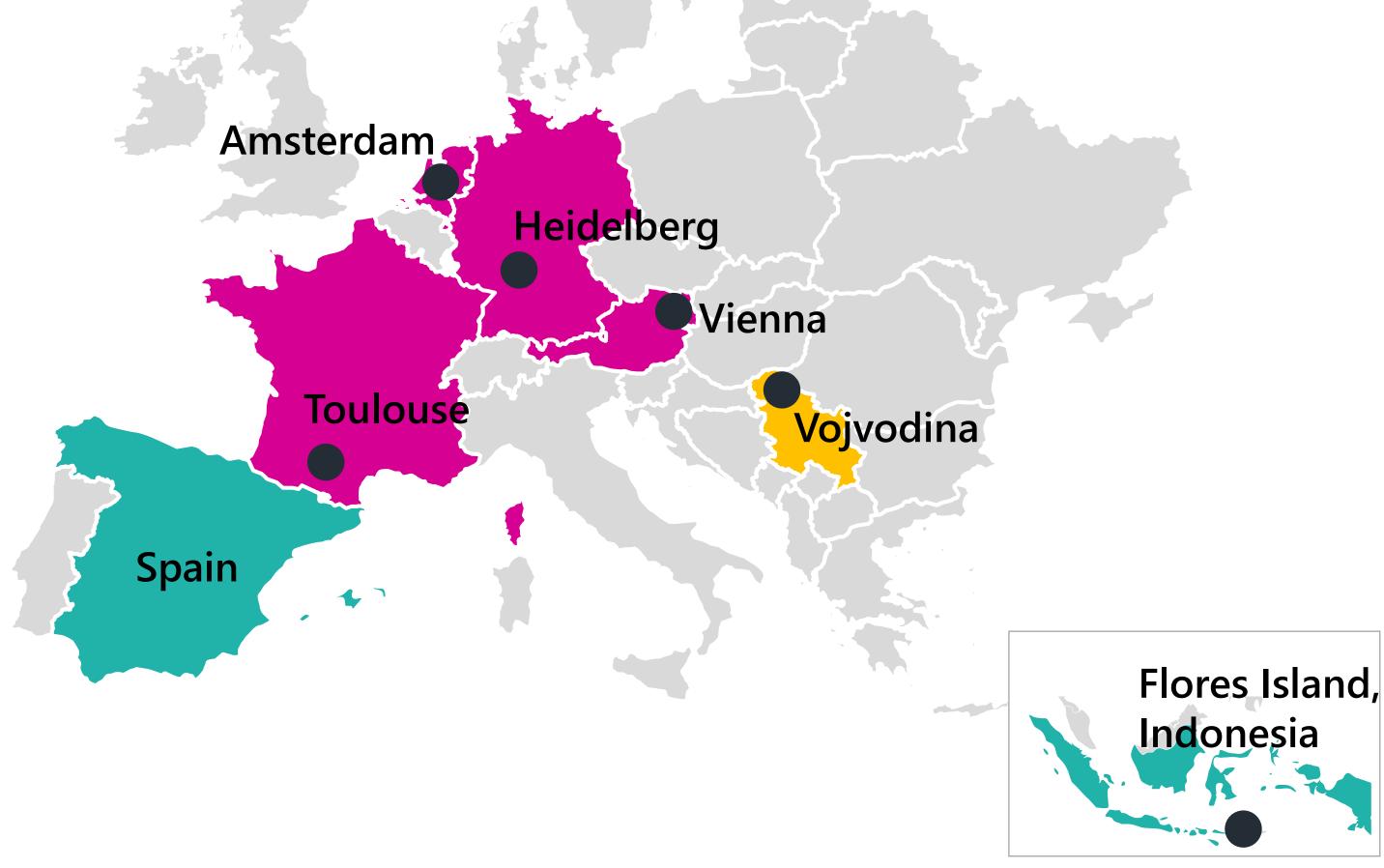
LandSense Pilots

LandSense technologies are deployed across various themes to illustrate the potential of citizen observatories to tackle environmental challenges





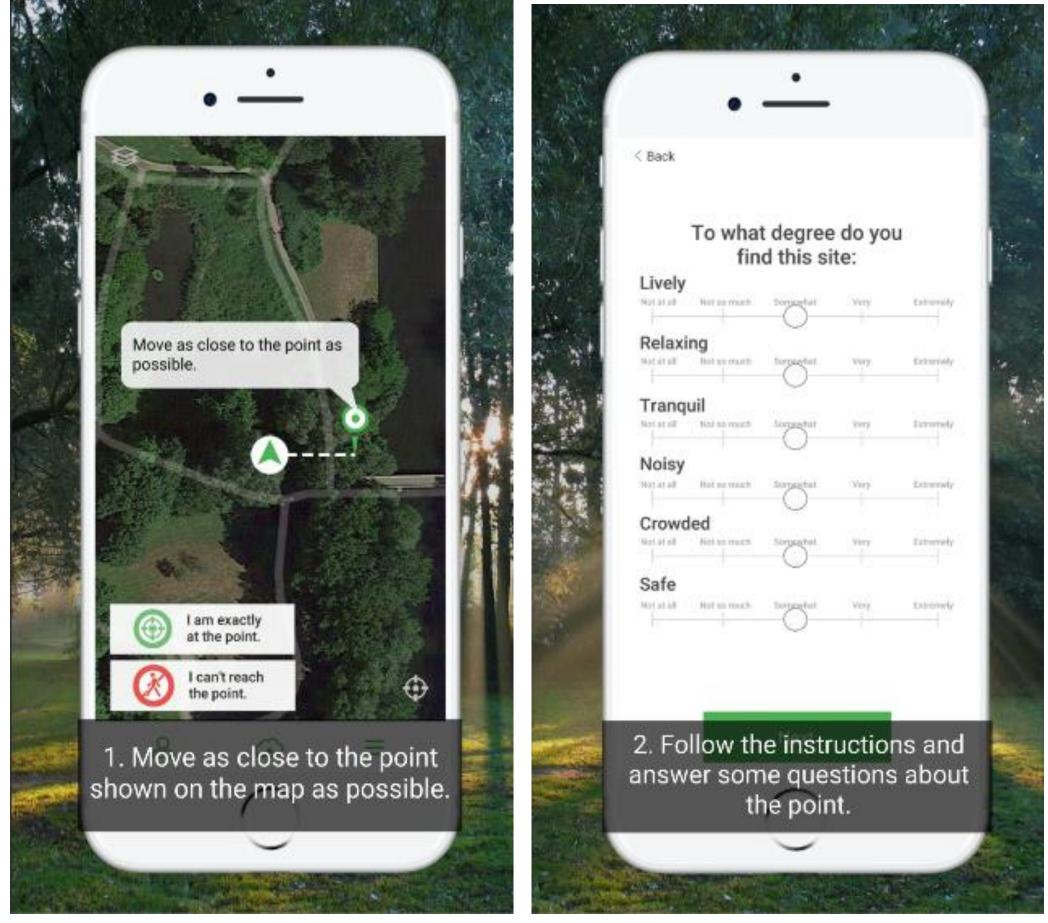




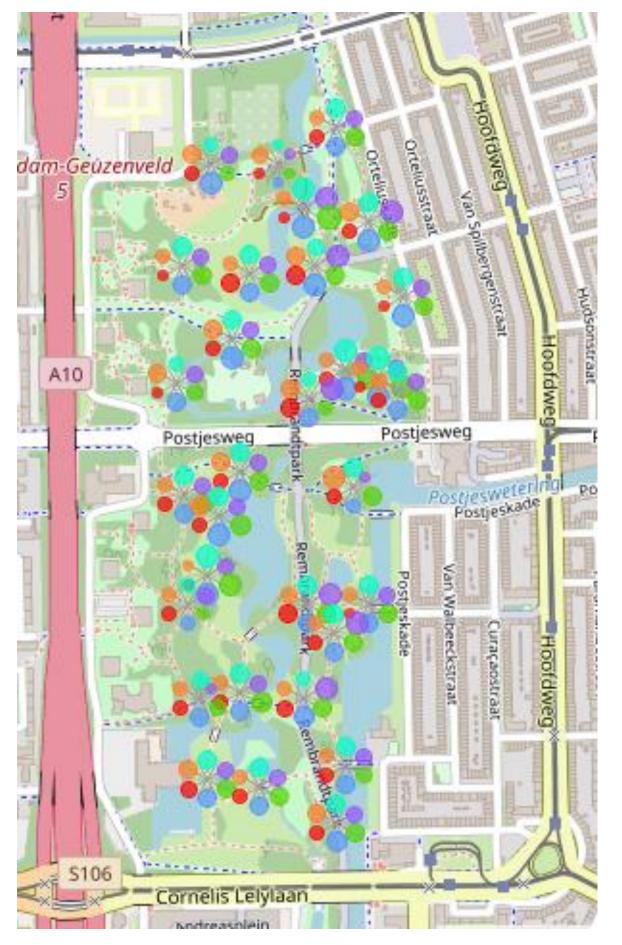


Amsterdam Rembrandt Park

Promoting sustainable urban development with citizen insights on the perceptions of green and open spaces









Feeling



- Safe
- Crowded
- 🔵 Noisy



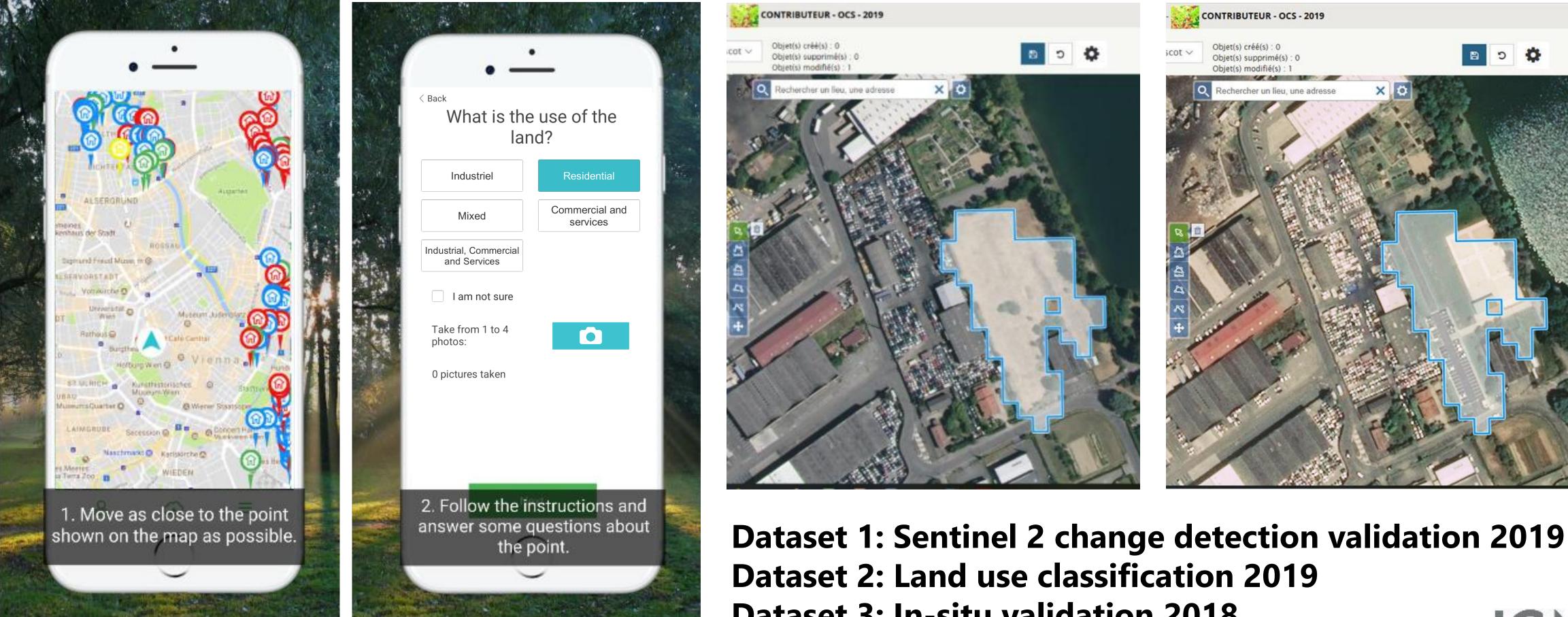
VU UNIVERSITY AMSTERDAM



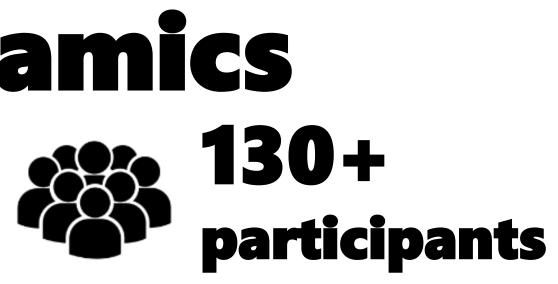


Toulouse – LULC Dynamics

Integrating expert contributions using crowdsourcing approaches into LULC authoritative databases









Dataset 3: In-situ validation 2018



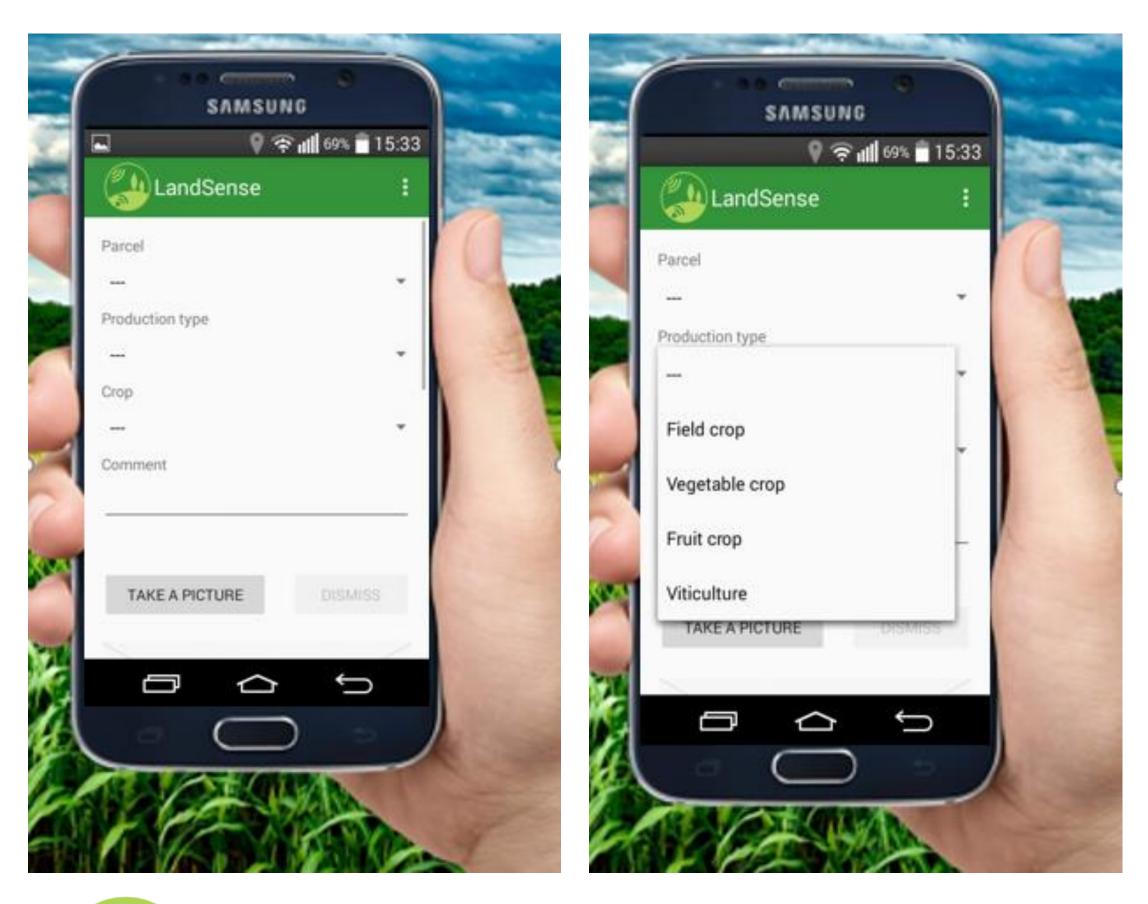






Vojvodina

Leveraging the power of EO systems and crowdsourcing to deliver value added service to farmers











Phase 1: Two high schools & University of Novi Sad













Monitoring threats to biodiversity with a focus of Important Bird & Biodiversity Areas (IBAs) & Natura 2000 sites

https://natura-alert.net/









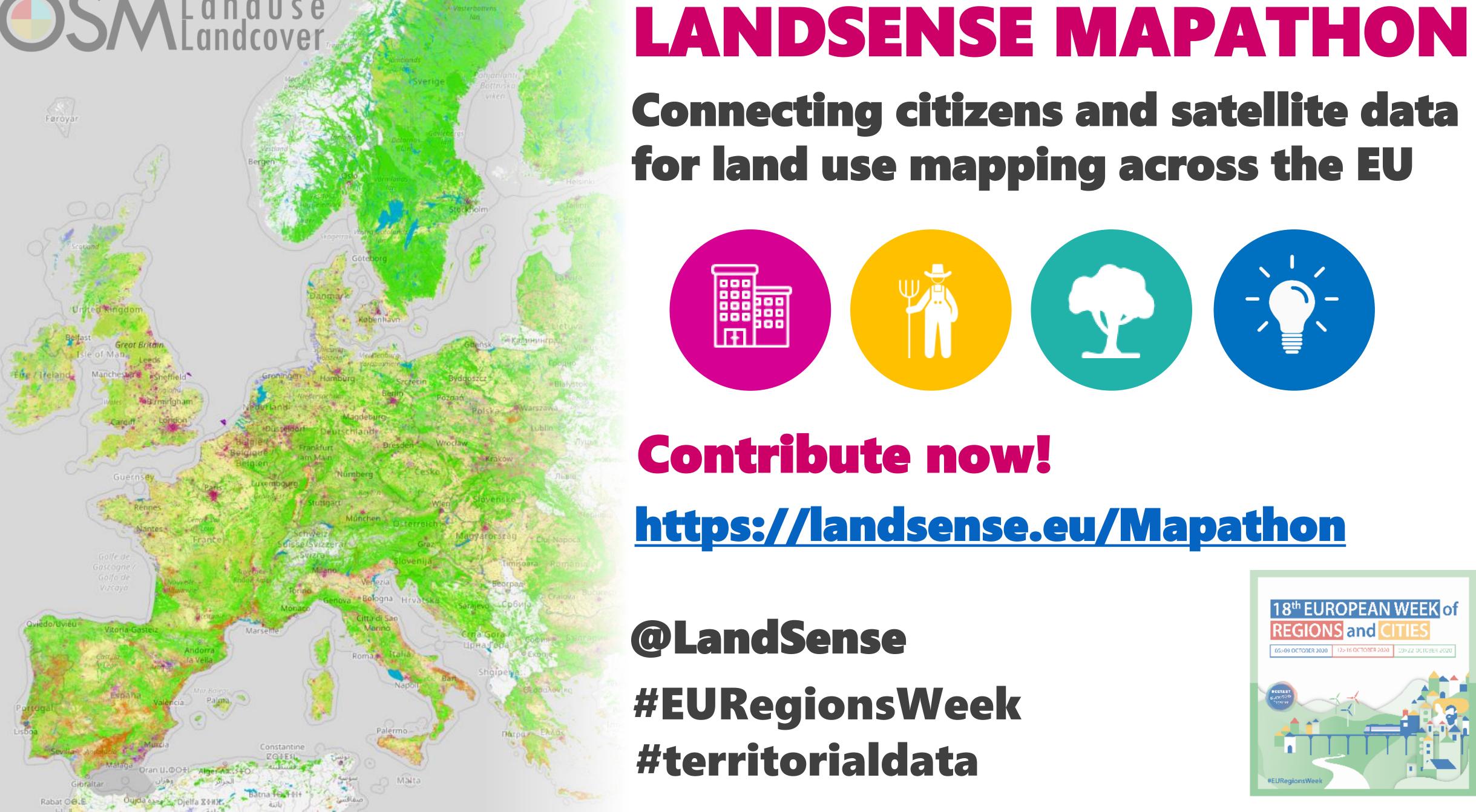








OSALanduse







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