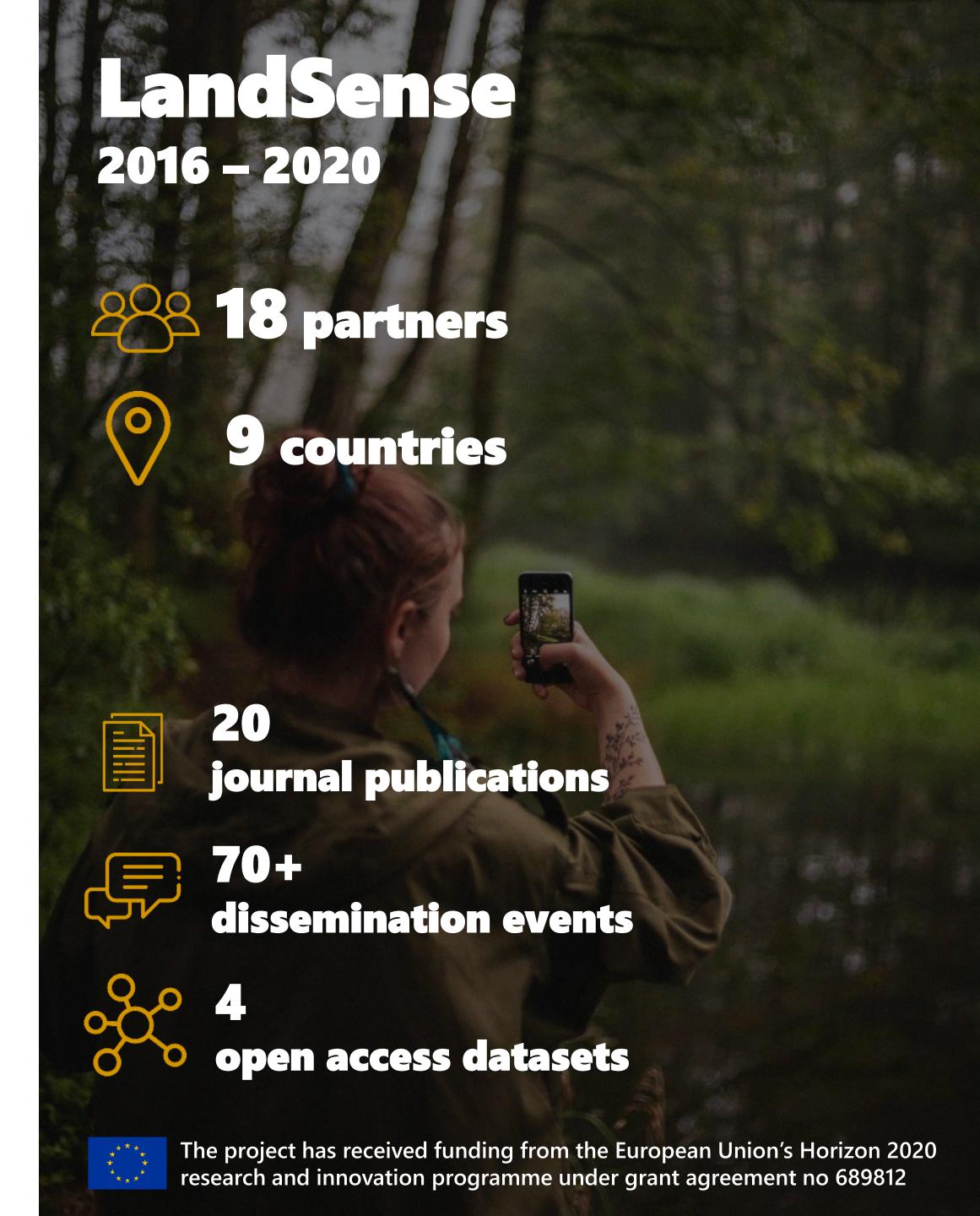


Motivation

(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 we can more actively engage people in environmental monitoring & stewardship



LandSense Pilots

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









WeObserve ODC -LandSense Datasets



Amsterdam - Rembrandt Park



Toulouse – Land Use Land Cover Dynamics



Vienna - City Oases



Vojvodina, Serbia – Agricultural Land Use



Global Land Use Land Cover Reference Data



Global Field Size Distribution

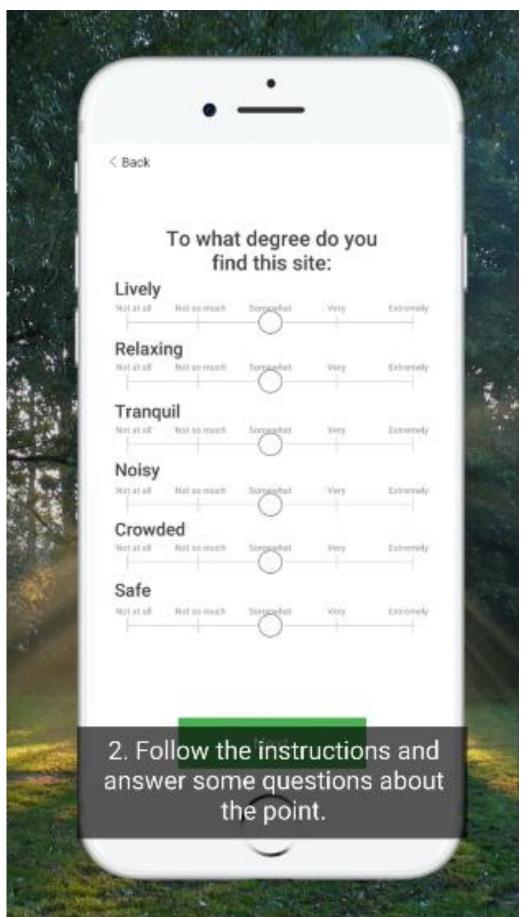


https://zenodo.org/communities/landsense/

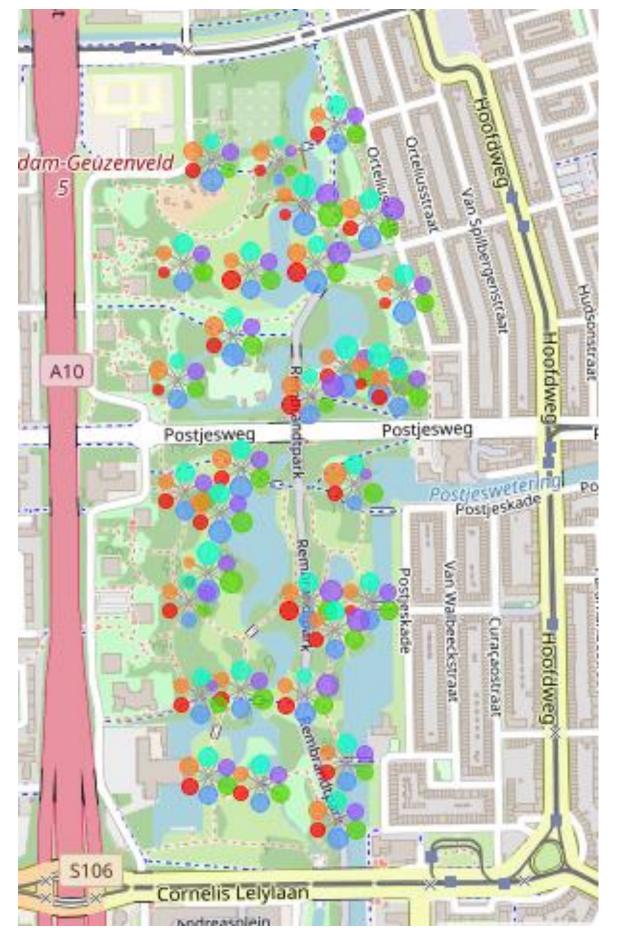
Amsterdam – Rembrandt Park

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













- Tranquil
- Lively
- Relaxing
- Safe
- Crowded
 - Noisy

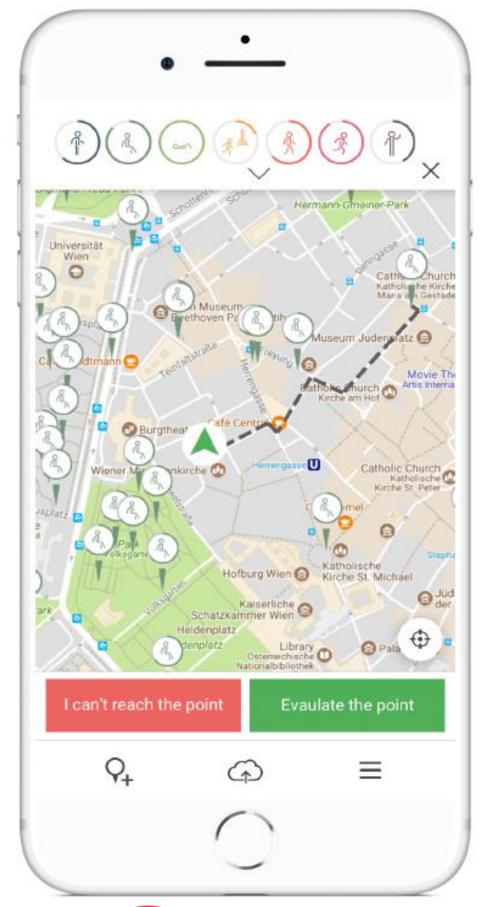


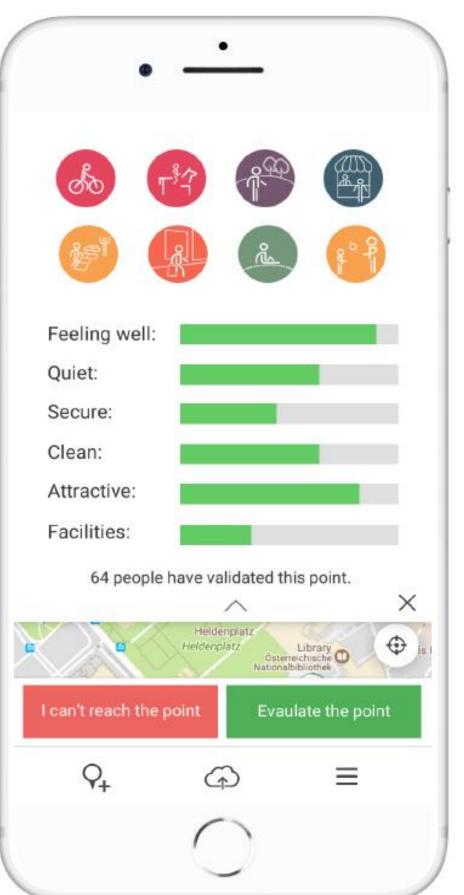




Vienna – City Oases

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

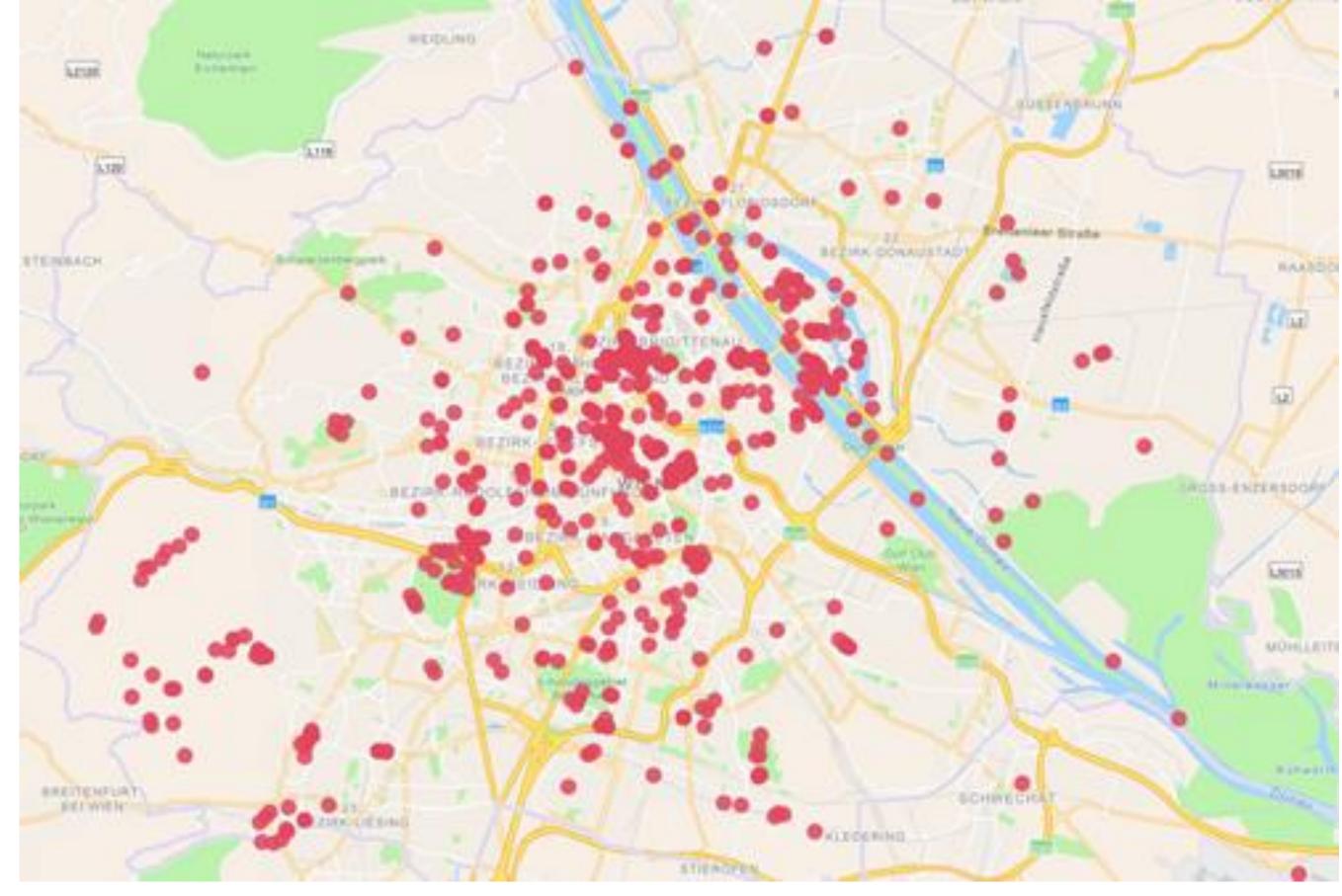


















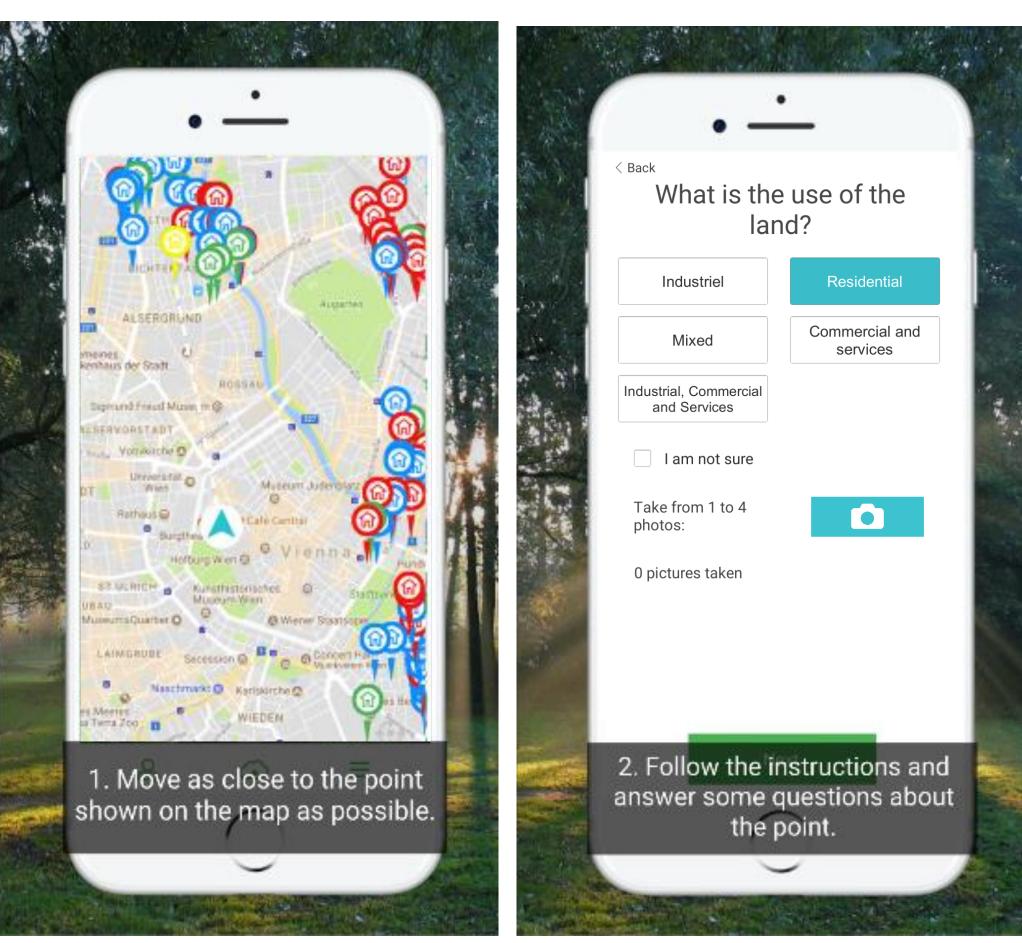




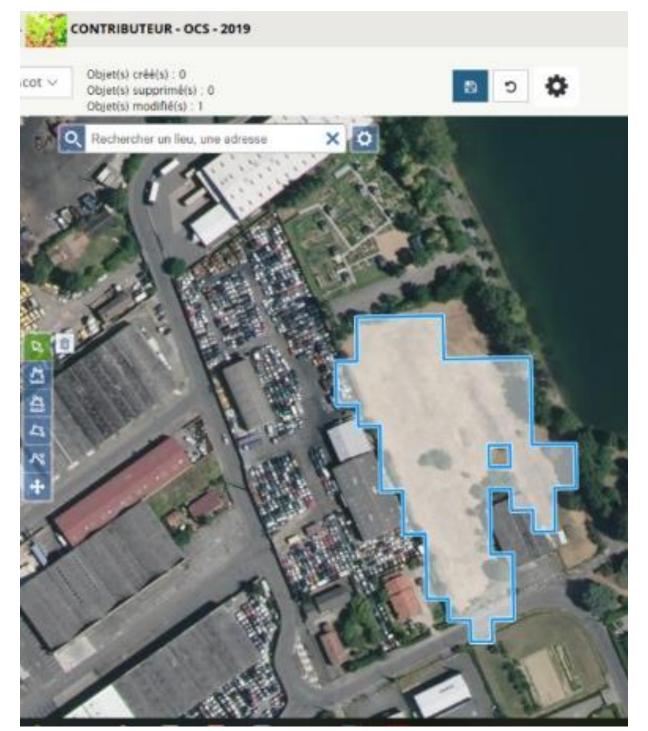


Toulouse – LULC Dynamics

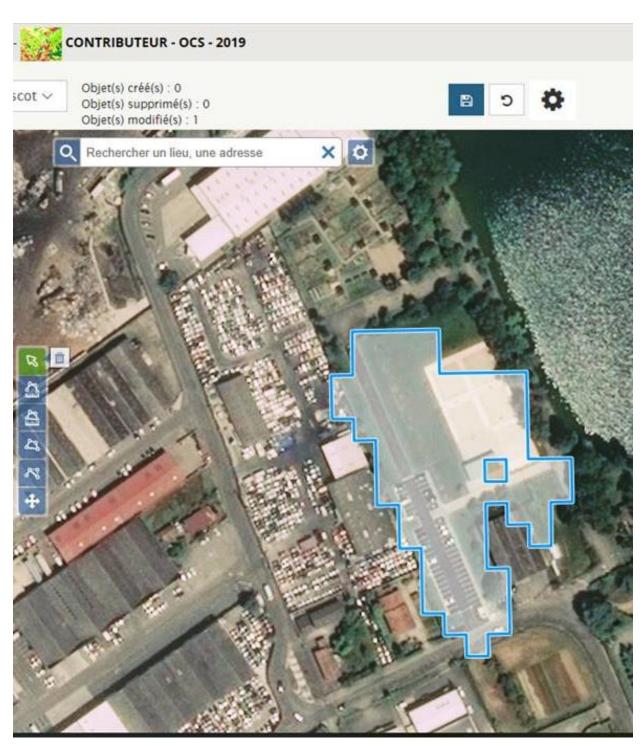
Integrating expert contributions using crowdsourcing approaches into LULC authoritative databases











Dataset 1: Sentinel 2 change detection validation 2019

Dataset 2: Land use classification 2019

Dataset 3: In-situ validation 2018



Vojvodina – Agricultural Land Use

Capturing land cover and land use with street level imagery

