

CITIZEN SCIENCE



CONFERENCE

14.–15.10.2020

Knowledge for Change: A decade
of Citizen Science (2020–2030)
in support of the Sustainable
Development Goals

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

Steffen Fritz

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 we can more actively engage people in environmental monitoring & stewardship

LandSense 2016 – 2020



18 partners



9 countries



20+
journal publications



70+
dissemination events



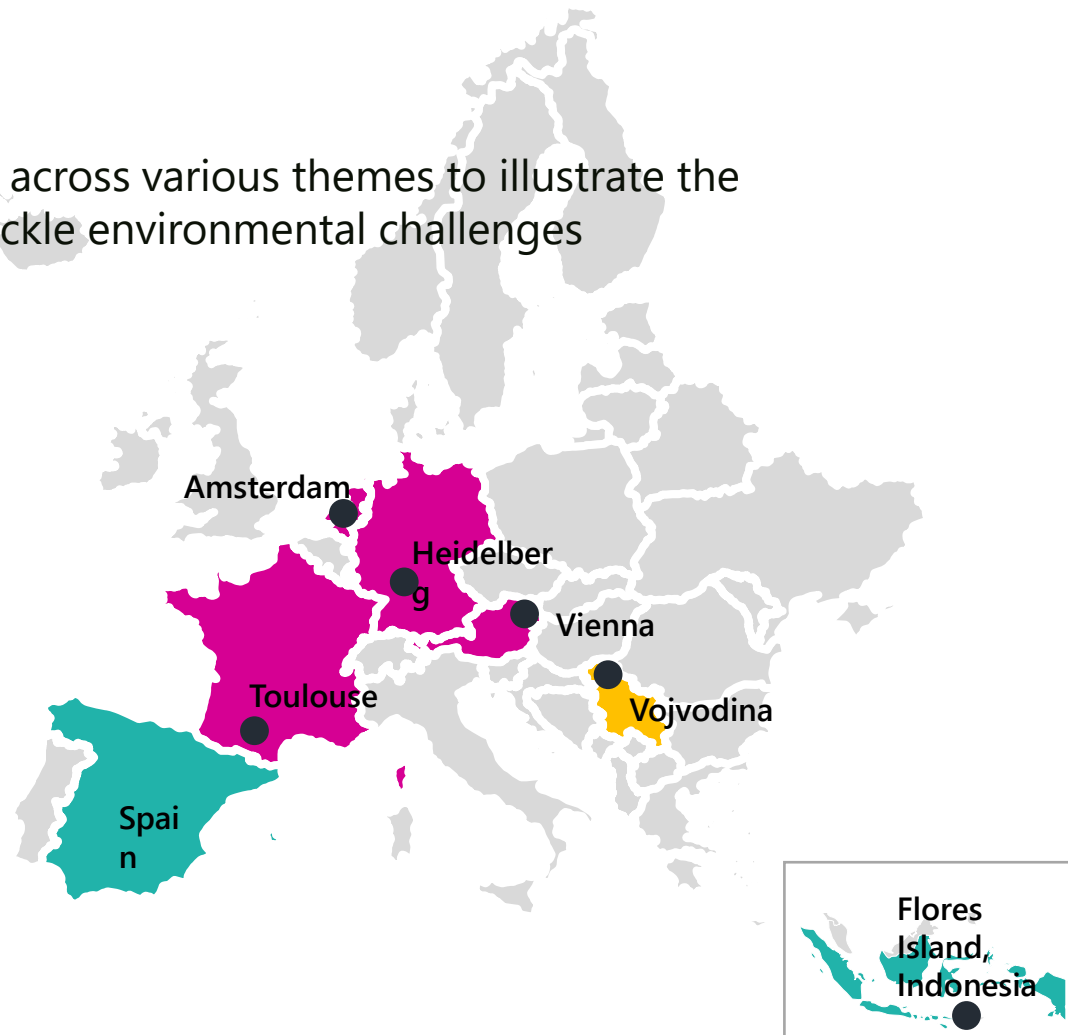
5+
open access datasets



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



15 LIFE
ON LAND



**Natura
Alert**

15.1 By 2020, ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, in particular forests, wetlands, mountains and drylands, in line with obligations under international agreements

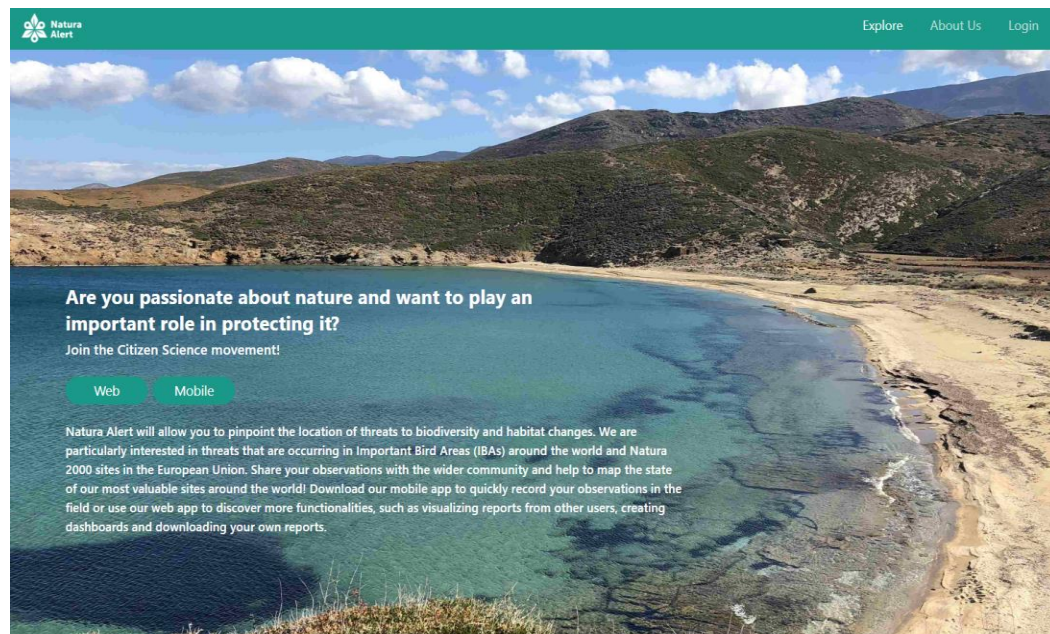
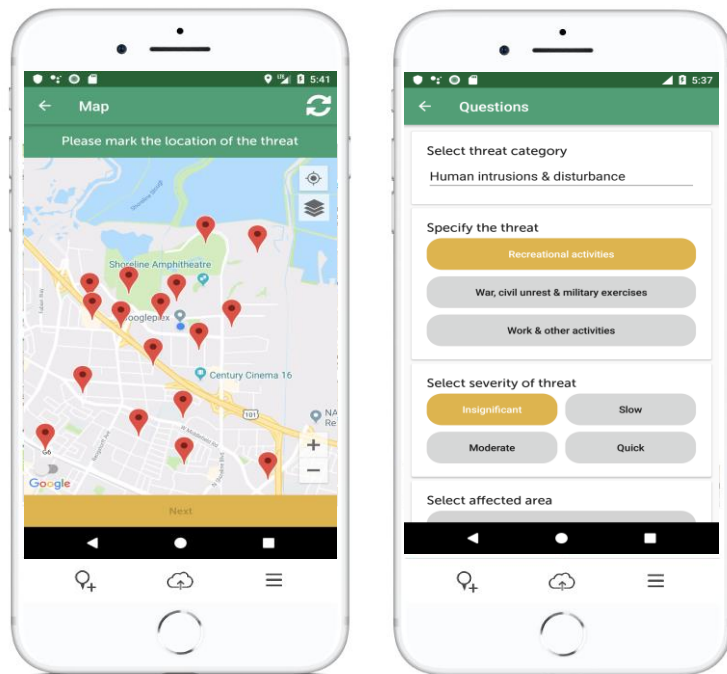
15.4 By 2030, ensure the conservation of mountain ecosystems, including their biodiversity, in order to enhance their capacity to provide benefits that are essential for sustainable development

15.5 Take urgent and significant action to reduce the degradation of natural habitats, halt the loss of biodiversity and, by 2020, protect and prevent the extinction of threatened species

Natura Alert

A digital workflow for volunteer reporting, validation and subsequent national level assessments

in-situ / web



<https://natura-alert.net/>



Spain

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

in-situ / web



40+
participants



450+
observations

Volunteers → IBA Caretakers → National Coordinators



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