

Call for Participation

Dear Colleagues,

We would like to cordially invite you to participate in an upcoming workshop:

The use of Volunteer Geographic Information for producing and maintaining authoritative Land Use and Land Cover data

November 24 2020 (morning) and November 25 2020 (morning)

This **two half days online workshop** is organized on behalf of [EuroSDR](#) (A European Spatial Data Research network organization linking national mapping and cadastral agencies with research institutes and universities), the [LandSense](#) project (A Citizen Observatory and Innovation Marketplace for Land Use and Land Cover Monitoring) and [IGN](#) (The French National Mapping Agency). LandSense delivers innovative technologies for data collection, change detection, data quality assessment, offering tools and systems to empower different communities (e.g., private companies, NGOs, NMAs, research, public authorities) for land use and land cover (LULC) monitoring and reporting.

Context and Objective

LULC data are necessary for different applications (e.g., urbanization growth, biodiversity conservation, climate change) in monitoring our environment at national, regional and local scales. Different European initiatives such as CORINE Land Cover, Copernicus, Urban Atlas allow the production of LULC data in vector format (i.e. feature-based LULC). The National Mapping Agencies (NMAs) also produce feature based LULC data at regional or national scales.

The feature-based LULC data are generally cyclically produced every 3 to 6 years, which is not always adequate. Moreover, producing LULC data is costly and a lack of *in-situ* information can generate incompleteness or inaccuracies. Recent research shows that LULC databases may take advantages of the use of Volunteer Geographic Information (VGI) to produce, improve or update LULC data. For example, different approaches allowing to derive LULC data from OpenStreetMap are proposed. Thus, in this context the objective of the workshop is to bring together different actors such as National Mapping Agencies, academic communities, private companies having experiences in feature-based LULC data production or change detection in order to 1) address an exhaustive list of

the current practices and issues in mapping feature-based LULC data and 2) share innovative approaches to produce, monitor and update LULC data.

Topics

The major areas of interest include the following topics:

- Feature-based LULC data production
- Feature-based LULC update
- LULC Change detection
- LULC Monitoring services
- Collection and Use of VGI to produce LULC data
- VGI and authoritative LULC data integration
- LULC data quality assessment
- LULC data infrastructure
- LULC data policies.

Participation

We encourage submissions (1 page maximum) from participants willing to share their experiences, algorithms, research approaches, use-cases, future planning linked to the listed topics.

Submission: **October 11 2020.**

Notification of acceptance: **November 4 2020**

Registration fee

Participation in the workshop is free of charge. However, advance registration will be strictly required. Registration will be opened till **November 11 2020.**

Venue: Online

To further information please contact: Ana-Maria Olteanu-Raimond (ana-maria.raimond@ign.fr) or Joep Cromptvoets (joep.cromptvoets@kuleuven.be)

Organizing Committee

- Ana-Maria Olteanu-Raimond (IGN-France)
- Joep Cromptvoets (KU Leuven Belgium, EuroSDR)
- Inian Moorthy (IIASA)
- Clément Mallet (IGN-France)
- Bénédicte Bucher (IGN-France)