

## 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)**

### **Day 1: November 24 2020**

9:15 **Welcome** (Ana-Maria Olteanu-Raimond and Joep Crompvoets): ~10 minutes

9:30 **Introduction** (chair Bénédicte Bucher)

- Land Use and Land cover data : specificities and challenges, **Clément Mallet, IGN France**, (10 +10 minutes)
- VGI and Citizen science for LULC monitoring, **Inian Moorthy, IIASA** and **Ana-Maria Olteanu-Raimond, IGN France** (20 + 10 minutes)

10:20 - 10:50 **“Virtual Coffee” Break**

10:50-12:30 **Session 1: Use of VGI for LULC data production** (chair Clément Mallet)

- National Land Cover and Land Use Information System of Spain (SIOSE)- Coordination, production, maintenance and VGI, **Delgado Hernández Julián, IGN Spain** (15 + 5 minutes)
- A fusion data approach for integrating VGI to update and enrich authoritative LULC data, **Lanfa Liu, Ana-Maria Olteanu-Raimond, Laurence Jolivet, Arnaud le Bris, IGN France** (15 + 5 minutes)
- OpenStreetMap for Earth Observation (OSM4EO) land use application and benchmark, **Michael Schultz, University of Heidelberg** (15 + 5 minutes)
- Using OpenStreetMap as a data source for training classifiers to generate LULC maps, **Cidália C. Fonte, Joaquim Patriarca, Ismael Jesus and Diogo Duarte, University of Coimbra** (25 + 5 minutes)

12:30 **Closing day one** (Ana-Maria Olteanu-Raimond and Joep Crompvoets)

## Day 2: November 25 2020

9:15 **Welcome** (Bénédicte Bucher and Inian Moorthy): ~10 minutes

9:30 - 10:30 **Session 2: Data collection and Validation** (chair Ana-Maria Olteanu-Raimond)

- Global land cover monitoring, validation and participation: experiences from several case studies, **Martin Herold**, Nandika Tsendbazar, Arun Pratihast, Agnieska Tarko, Lilin Liu Laboratory of Geo-Information Science and Remote Sensing, **Wageningen University & Research** (15 minutes + 5 minutes)
- A mobile application for collecting snow data in support to satellite remote sensing, **Zacharie Barrou Dumont**, **CESBIO** (15 minutes + 5 minutes)
- A mapping prototype for land use mapping by land users, **Marcos Moreu**, Muki Haklay, Claire Ellul and the Extreme Citizen Science (ExCiteS) team, **University College London** (15 minutes + 5 minutes)

10:30-11:00 **“Virtual Coffee” Break**

11:00-12:30 **Session 3: Sustainability** (chair Inian Moorthy)

- Crowdsourcing reference data collection for land cover and land use mapping: Findings from picture pile and FotoquestGo, **Steffen Fritz**, **IIASA** (15 + 5 minutes)
- Land Cover Monitoring System with Sentinel-Hub and eo-learn. Is it possible to build a fast and cost-effective LCMS?, Matej Aleksandrov, **Matej Batič** and Grega Milčinski, **Sinergise** (15 + 5 minutes)
- Regular monitoring of landscape changes with Copernicus data- The German land cover change detection service, **Dr. Patrick Knöfel**, **BKG** (15 + 5 minutes)
- Authentication as a Service - A LandSense contribution to improve the FAIR principle in Citizen Science, **Andreas Matheus**, **SecureDimension** (15 + 5 minutes)

12:30 - 13:00 **Closing session** and conclusion

### 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)