

GEO 2021 Virtual Symposium

Session Proposal Form

Session Title : In situ data for Agricultural Monitoring

Session Description

In situ data are the current major hurdle to fully release the power of EO for food security program and policy development. Several initiatives are stepping up to tackle this hurdle, projects like ESA's WorldCereal, EU-e-shape, NASA harvest and programmes like RadiantEarth, and CGIAR big data platform. As a global community of scientists that use and generate in situ data, GEOGLAM and its partners, leveraging the above mentioned initiatives, are uniquely placed to take a leadership role in organising a reference database of in situ data for Agriculture, but also to guide the community with best practices on data collection, data collection tools data storage and citizen science to support this collection.

The purpose of this session is to bring together the community on agricultural mapping and monitoring to show the progress made in these initiatives, discuss the way forward on opening up more in situ data, as well as sharing ideas on how newly collected data can easily be integrated in that global reference database for agriculture hosted by GEOGLAM

Proposed Speaker(s) and Moderator(s)

Moderators : Sven Gilliams and Ian Jarvis

Presenters :

1. Setting the Scene, the GEOGLAM in situ data working group by Ian Jarvis
2. Building a global reference data base, status and prospect of the WorldCereal project by Hendrik Boogaard
3. In situ data collection tools; overview and use case of the e-shape project by Ian McCallum
4. In situ data quality review approaches by Arun Pratihast