



A Platform for Big Data in Agriculture
COMMUNITY OF PRACTICE

GEOSPATIAL WORK PLAN 2019



INTERNATIONAL
FOOD POLICY
RESEARCH
INSTITUTE



WORK PLAN 2019

ABOUT US

The Geospatial Community of Practice aims to facilitate CGIAR's application of geospatial data science for impacts. We coordinate community-wide activities to empower CGIAR's geospatial scientists through collaborative research, training, shared services, working groups, and flagship data and knowledge products. More than 120 members in our community are the best resource to explore analysis options, share learning, inspire innovations, and collectively support CGIAR's agricultural research and development agenda.



OUR MISSION: Accelerate CGIAR's impacts on global food security and sustainable livelihoods through geospatial data science and innovations.

HIGHLIGHTS 2018



Organized various **capacity building activities**, including in-person/online training workshops on the use of R in spatial analysis, as well as a series of agriculture-themed academic sessions at the 2018 FOSS4G International Conference with 26 presentations.



Provided **key enabling geospatial data and tools**, such as Digital Globe's remote sensing imagery archive, aWhere weather data, and LandScan population dataset, as Shared Services.



Awarded **two mini-grants** to develop key geospatial datasets and publish as global public goods (GPGs).



Created the **UAV Working Group** and supported to organize the Drones in Agriculture hands-on training workshop in Tanzania and a knowledge sharing event, in partnership with WeRobotics.



SUMMARY WORKPLAN 2019

In 2019, the Geospatial CoP will continue support the community to strengthen geospatial data science expertise, especially on the application of earth observation data analyses, through training workshops, webinars, and the provision of shared services.

Leveraging the collective capacity, two flagship products will be developed in collaboration with partner organizations.

CAPACITY BUILDING

To strengthen the community's technical capacity to use geospatial data science

Activities

- Organize technical workshops and webinars
- Provide shared services and develop innovative partnerships
- Support working groups and knowledge sharing activities

FLAGSHIP PRODUCTS

To develop flagship products on the innovative use of geospatial data science

Activities

- Award mini-grants to develop key geospatial datasets as GPGs
- Support CGIAR to publish well-annotated key geospatial datasets
- Develop Climate Change Adaptation Atlas and publish underlying datasets
- Publish a position paper on remote sensing-based area sampling frames
- Open useful groundtruthing datasets for training AI/Machine Learning algorithms

ENGAGEMENT

To communicate effectively internally within the community and externally with partners

Activities

- Co-organize community events with partners
- Showcase CGIAR's geospatial work through the community website
- Provide travel grants to support community members to participate in conferences
- Serve as the geospatial point of contact in CGIAR to develop new partnerships

HOW CAN I GET INVOLVED?

Reach out to the [CoP Coordinator](#) or contact any of our [Center Representatives](#):



- Elliott Dossou-Yovo (AfricaRice)
- Hannes Gaisberger (Bioversity International)
- Steve Prager (CIAT)
- David Gaveau (CIFOR)
- Kai Sonder (CIMMYT)
- Henry Juarez (CIP)
- Chandrashekhar Biradar (ICARDA)
- Muhammad Ahmad (ICRAF)
- Murali Gumma (ICRISAT)
- Zhe Guo (IFPRI)
- Tunrayo Alabi (IITA)
- Francesco Fava (ILRI)
- Alice Laborte (IRRI)
- Kiran Chandrasekharan (IWMI)
- Shwu Jiau Teoh (WorldFish)

Follow the community's updates through communication channels ([Twitter](#), [Facebook](#), [Blog](#), [SharePoint](#)).