



A Platform for Big Data in Agriculture

COMMUNITY OF PRACTICE

GEOSPATIAL WORK PLAN 2020



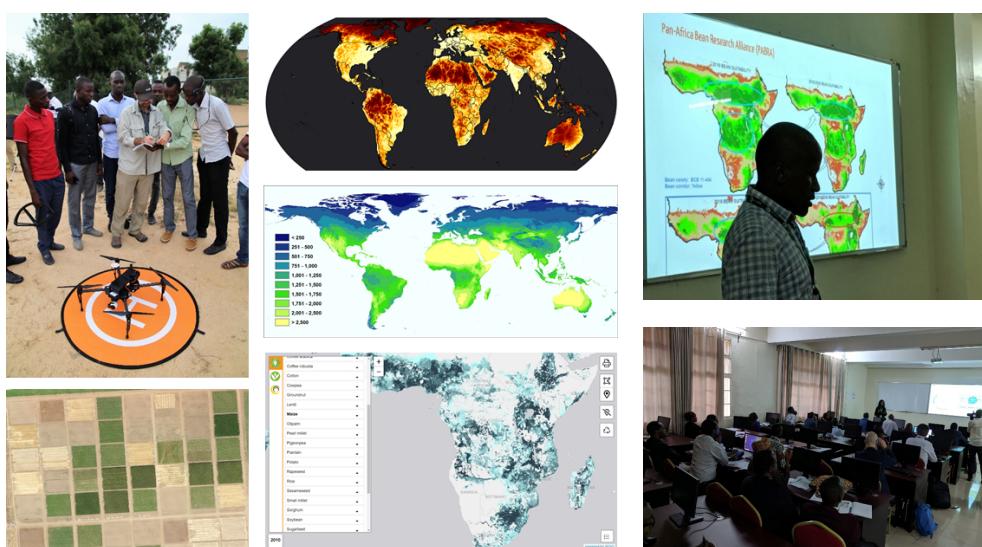
INTERNATIONAL
FOOD POLICY
RESEARCH
INSTITUTE



WORK PLAN 2020

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 220 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 2019

The CoP membership grew to more than 220 across all 15 CGIAR Centers and key partner institutions.



Organized various capacity building activities, including in-person/online training workshops on the use of R in statistical learning and spatial analysis, as well as three geospatial data science-themed sessions at the 2020 CGIAR Big Data Convention, such as "Georeferenced data for machine learning applications," "Geospatial applications by partners," and "Geospatial case studies."



Supported the UAV Working Group to organize the Drones in Agriculture to organize a "Drones for Agriculture" workshop as a side event at the 2020 CGIAR Big Data Convention.



Provided key enabling geospatial data and tools, such as Digital Globe's remote sensing imagery archive, aWhere Weather API, and IBM/The Weather Company's Seasonal Probabilistic Forecasts dataset, as Shared Services.



Coordinated to contribute CGIAR's geospatial data to the Smallholders' Climate Change Adaptation Atlas initiative.



Through the community website, published 25 blog posts. The website was visited by 54,400 visitors (140K views) in 2019.



SUMMARY WORKPLAN 2020

In 2020, the Geospatial CoP will continue to support the community to strengthen geospatial data science expertise, especially on the application of earth observation data and computer vision analysis techniques, 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
- Support CGIAR to publish well-annotated key geospatial datasets
- Contribute to the Smallholders' Climate Change Adaptation Atlas
- Contribute to the CGIAR Digital Evidence Clearinghouse with geospatial impact stories
- Publish use-cases on geospatial data science applications at GARDIAN Labs

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)
- Renaud Mathieu (IRRI)
- Kiran Chandrasekharan (IWMI)
- Shwu Jiau Teoh (WorldFish)

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