

CGIAR Platform for Big Data in Agriculture

Platform Objective:

Harness the capabilities of big data to accelerate and enhance the impact of international agricultural research

Platform vision:

The data revolution is changing the role, reach and modus operandi of research and development organizations. It represents an unprecedented opportunity to find new ways of reducing hunger and poverty, but also has its risks: unequal access to and use of information

How do we close equity gaps instead of widening them? This is at the core of the CGIAR mission.

Launched: May 15, 2017 **NEW**



Community of Practice on socio-economic data:

Make the high variety socio-economic big data accessible and interoperable to create more impact and measure it

2017:

- **Survey of surveys**
Define common questions
- **Socio!**
Concepts and classifications (ontology) needed to understand the data content
- **Structural metadata schema**
Make the data interoperable in a flexible and extensible way

Organize



Support data generation and management, practices, enable FAIR data

Convene



Bring together big data practitioners, private sector, academia, (I)NGOs++ to produce innovative solutions

Inspire



Employ analytics and ICTs to deliver info to farmers, monitor ag and food security, and inform policy



Accessible interoperable FAIR data sets:
Open access / open data
Culture of data sharing
Communicating tools/platforms

Yearly conference on Big Data in Agriculture

5 communities of practice:

- Geo-spatial data
- Data-driven Agronomy
- Crop Modeling
- Ontologies
- Socio-economic data

Challenge funding for disruptive, exciting new projects that will be beneficial to the CGIAR and the people it targets using novel approaches, data sources and capture, analytics and visualizations



Platform for
Big Data
in Agriculture



Community of practice on
socio economic data
#CoP_SED

