On-Farm Experimentation Community Info No. 14

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On-Farm Experimentation Community (OFE-C) of the International Society of Precision Agriculture (ISPA)

Recordings of the #OFE2021 Webinar Series are Available

The four OFE2021 webinars recordings are now available at https://www.ispag.org/Events/OFE

1. **Value Creation**. OFE creates value for varied stakeholders, value is shared, and scientific disciplines can contribute. *May 10, 2021.*
2. **People and Processes**. People are the real key to digital transformation. Transformation occurs when individual changes scale up through their networks and their organizations. *May 12, 2021.*
3. **Data and Analytics**. Appropriate procedures and well-targeted analytics can be deployed to exploit the valuable data and metadata collected on the farm. *May 17, 2021.*
4. **Policy Linkages**. Currently, initiatives around OFE are happening in spite of funding mechanisms, career paths and norms favoring traditional experimentation. Harnessing the transformational potential of OFE for agricultural sciences and innovation requires more strategic institutional alignment. *May 19, 2021.*

Agricultural Research Data Network

The Agricultural Research Data Network (ARDN) provides tools and protocols to allow researchers to not only share their data, but to make their data interoperable and reusable. Additional tools allow end users of the data to combine and reformat ARDN data for quantitative analysis and modeling.

Open Ag Data Alliance

The Open Ag Data Alliance is an open project designed to bring interoperability, security, and privacy to agricultural data. The purpose of the Open Ag Data Alliance is to develop a standard API framework for automated data exchange. If a person has data stored in one place, and would like an app or service to be able to access it, they need only know the top-level domain where their data sits in order for the app or service to use it, providing permission when setting up the connection.

Transforming Agricultural Innovation for People, Nature and Climate

The UK has launched the Transforming Agricultural Innovation for People, Nature and Climate campaign to catalyze a step change in agricultural innovation. The series of webinars will present the findings of five evidence reviews commissioned under the Research, Development and Deployment (RD&D) strand of the Sustainable Agriculture component of the COP26 Nature Campaign. The second webinar in the series focuses on agroecology and climate change adaptation and mitigation. Agroecology is increasingly promoted as a means to transform food systems globally, yet the evidence for generating large-scale impacts on climate change adaptation and mitigation in developing countries has been unclear.

Disparate Big Data in Systems Agriculture

In our data-rich world, identifying optimal systems for sustainable intensification or diversification is lacking a data management system across spatial and temporal resolutions including workflows, interpretation methodology, and a delivery structure. This paper offers solutions for developing a platform for bridging component parts (encompassing multiple scales and disciplines) to analyze system functionality for greater resiliency. [Tulsi P. Kharel Amanda J. Ashworth Phillip R. Owens Michael Buser. 2020. Spatially and temporally disparate data in systems agriculture: Issues and prospective solutions. Agronomy Journal 112 (5): 4498–4510. https://doi.org/10.1002/agj2.20285].

Living Lab - Quebec

The scientists, together with producers and their communities will co-create applicable solutions to improve the environmental performance of farms and watersheds and help improve the health of Lac Saint-Pierre, an enlargement of the St. Lawrence River in Quebec.

Krishi Vigyan Kendra Knowledge Network

The Krishi Vigyan Kendra (KVK) knowledge network is an integral part of the National Agricultural Research System (NARS) in India. It aims at the assessment of location-specific technology modules in agriculture and allied enterprises, through

technology assessment, refinement and demonstrations. KVKs have been functioning as Knowledge and Resource Centres of agriculture technology supporting initiatives of public, private and voluntary sectors. This initiative has the potential of becoming very large and increasingly farmer-driven, leading researchers to consider farmers first.

Should you have something to share with the Community or the Community leaders, let us know here.