On-Farm Experimentation Community Info No. 20

May 2, 2022

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

Open position in On-Farm Experimentation

The ITAP Research unit (Technologies for the Agriculture of Tomorrow) has an early career research position open at the moment to research and support the use of on-farm experimentation in the agroecological transition. The post details are available on the INRAE website (in French). See the position's description here.
The candidate will work with a dynamic group of researchers in Precision and Digital Agriculture based in Montpellier, France. The successful candidate does not necessarily need to be proficient in French, but does need to commit to learning and working in French. As this is an OFE position, interaction with growers (non-english speaking) will be expected. For further details, please contact Dr James Taylor (james.taylor@inrae.fr).

ARDN conference on agricultural data interoperability

A conference will be held on June 9, 2022, at the USDA National Agricultural Library to showcase the agricultural data interoperability work done as part of ARDN, the Agricultural Research Data Network. This work started with development of the AgMIP data interoperability standards in 2010 and has been expanded in collaboration with CGIAR and the USDA National Agricultural Library. The ARDN project team will describe methods developed for data annotation and sharing which can be used to “rescue” legacy data or be applied to new data sources to facilitate interoperability and reuse of our most valuable agricultural research product: data. The one-day conference will be preceded by two hands-on data workshops. On Tuesday, June 7, the ARDN Data Providers Workshop presents participants with the ARDN data annotation concepts and allows them to prepare their own data (or data provided by us) for inclusion in ARDN. On Wednesday, June 8, the ARDN Data User’s Workshop will introduce participants to the process of translating ARDN datasets to model-specific formats. More about the conference and the two workshops can be found here. Please let the organizers know if you can attend the conference and/or workshops by filling out this brief questionnaire.

A Review on Precision Agroecology

Merging precision agriculture technology and agroecological principles offers a unique array of solutions driven by data collection, experimentation, and decision support tools. Precision agroecology provides a unique opportunity to synthesize traditional knowledge and novel technology to transform food systems. Duff, H.; Hegedus, P.B.; Loewen, S.; Bass, T.; Maxwell, B.D. Precision Agroecology. Sustainability 2022, 14, 106. https://doi.org/10.3390/su14010106

Postdoc Opportunity on OFE at University of Connecticut

The Soil Fertility and Soil Health Program in the Department of Plant Science and Landscape Architecture at the University of Connecticut, Storrs, CT seeks a highly motivated Post Doctorial Associate. The Postdoc will work with the PIs from multiple institutions (e.g., University of Illinois, Montana State University, Louisiana State University, University of Nebraska, USDA-ARS, etc.) to support projects focus on studying variable rate strategies using on-farm precision experiments, cutting-edge digital agricultural technologies, big data, and data analytics. The selected applicant will conduct on-farm experiment, analyze data, publish peer-reviewed journal articles, contribute to the development of decision-support tools, and participate extension activities. The Postdoc is expected to develop new projects related to precision agriculture and lead proposal development under the guidance of PIs.

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