On-Farm Experimentation Community Info No. 2

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

Multi-criteria decision analysis in agriculture rarely consider important elements

The study of a corpus of 954 articles published by INRA scientists from 2007 to 2017 concludes that MCDA studies will need to include participatory science to involve stakeholders (i.e., public authorities, governmental agencies) and end users (i.e., farmers, producers, industry, consumers) in the construction of the multi-criterion evaluation but also in the resulting decisions.

The Research Data Alliance and Agriculture

With over 10,000 members from 145 countries, the Research Data Alliance (RDA) provides a neutral space to develop and adopt infrastructure that promotes data-sharing and data-driven research to enable the open sharing and re-use of data. RDA has a grass roots, inclusive approach covering all data lifecycle stages, engaging data producers, users and stewards, addressing data exchange, processing, and storage. Generic topics of its interest are social hurdles on data sharing, education and training challenges, data management plans and certification of data repositories, disciplinary and interdisciplinary interoperability, as well as technological aspects.

The RDA is constituted of different elements, including Working Groups (WG) and Interest Groups (IG), some of which of particular interest in agriculture:

- Agrisemantics WG
- Agricultural Data IG
- Capacity Development for Agriculture Data WG
- Geospatial IG
- Engaging Researchers with Data IG
- Data Type Registries WG
- FAIR Data Maturity Model WG
- Metadata Standards Catalog WG
- Rice Data Interoperability WG
- Research Data Repository Interoperability WG
- Wheat Data Interoperability WG

iSDAsoil: African soil properties at 30m resolution

Smallholder farmers need to find a way past the status quo and a path to modernizing their operations. The mapping system—iSDAsoil— provides African soil properties at 30m resolution, and advisory services possible at the level of the single small farm. iSDA's ultimate goal is to help smallholders develop long-term sustainable businesses. It was founded by three research institutes—Rothamsted Research, the World Agroforestry Centre (ICRAF) and the International Institute of Tropical Agriculture (IITA).

The International Data Week 2021

The International Data Week (IDW 2021) is scheduled for 8–11 November 2021 in Seoul, South Korea, in a hybrid form, under the theme "Data to Improve our World." Open Science and the FAIR Principles are important enablers of discovery and innovation, particularly the use of Big Data and Artificial Intelligence. The IDW 2021 is supported by the International Science Council's Committee on Data (CODATA) and World Data System (WDS), and the Research Data Alliance (RDA).

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