

# Joint session IGAD, FAIRsharing WG, ELIXIR IG, Repository platforms, Data Discovery Paradigms IG

Please give a brief introduction describing the activities and scope of the group(s) \*

Formed in 2013, since its inception the Interest Group on Agricultural Data (IGAD) has grown in community strength to over 170 members, becoming one of the Research Data Alliance's most prominent Thematic Groups. IGAD is a domain-oriented group working on all issues related to global agriculture data. It represents stakeholders in managing data for agricultural research and innovation, including producing, aggregating and consuming data. Beyond this IGAD promotes good practices in research with regard to data sharing policies, data management plans, and data interoperability, and it is a forum for sharing experiences and providing visibility to research and work in agricultural data. One of IGAD's main roles is to serve as a platform that leads to the creation of domain-specific Working Groups. To date, four successful Working Groups have been formed under IGAD – Wheat Data Interoperability, Rice Data Interoperability, AgriSemantics and On-Farm Data Sharing , all playing an active role at the most recent RDA 10 in Montreal (Canada).

The FAIRsharing WG (known in RDA as the BioSharing WG) has delivered: (i) a set of recommendations to guide users and producers of repositories and standards to select and describe them, or recommend them in data policies; and (ii) a curated registry, [FAIRsharing](#), which enacts the recommendations and assists a variety of end users, providing well described, interlinked, and cross-searchable records on content standards, databases and data policies. FAIRsharing also collaborates with the the [FAIRmetrics group](#) to ensure that this work is also connected to the definition of [metrics defining FAIRness](#).

The ELIXIR Bridging Force Interest Group is formed to serve as a bridge between ELIXIR and relevant RDA Interest Groups, e.g. those on agricultural data, big data analysis, federated identity management, marine data, structural biology, toxicogenomics, and data publishing. Furthermore, ELIXIR will interact with relevant infrastructures outside Europe, e.g. NCBI.

The Repository Platforms for Research Data Interest Group focuses on the collection of experiences with selecting, implementing, and using specific research data repository

platforms/products across institutions and domains, with reference to the aforementioned functional requirements. From this, the IG may identify potential gaps between needs and solutions in the current research data repository environment, and will seek opportunities to propose the formation of new RDA working groups to address them.

The objectives of the [Data Discovery Paradigms Interest Group](#) are to provide a forum where representatives from across the spectrum of stakeholders and roles pertaining to data search can discuss issues related to improving data discovery. The goal is to identify concrete deliverables such as a registry of data search engines, common test datasets, usage metrics, and a collection of data search use cases and competency questions. The group has delivered two outputs and is working on a third. The 'Best Practices' Task Force created 'Best Practices for Data Seekers', which has been accepted to PLoS Bio, and the Task Force on User Requirements combined their findings with those of the Best Practices for Data Repositories into a manuscript for submission to an appropriate journal. The Relevancy Ranking Task Force surveyed a large number of repositories on search systems and relevancy ranking practices, and are in the process of analysing this data and writing up a final report. The Metadata Enrichment Task Force has created a survey on metadata enrichment tools and practices that will be distributed shortly. Finally, a Working Group on "Making research data more discoverable by search engines" is just getting started.

Please provide additional links to informative material related to your group i.e. group page, Case statement, working documents etc

<https://www.rd-alliance.org/groups/agriculture-data-interest-group-igad.html>

<https://www.rd-alliance.org/group/biosharing-registry-connecting-data-policies-standards-databases-life-sciences.html> and the FAIRsharing registry <https://fairsharing.org>

<https://docs.google.com/document/d/1MmzROQ9frlYsp48KBJZQhwwg545iKeTqaeCQxtFWuQ/edit?usp=sharing>

<https://rd-alliance.org/group/new-paradigms-data-discovery-ig/case-statement/new-paradigms-data-discovery-interest-group>

Please list the meeting objectives \*

The FAIR principles describe the characteristics that data need to have to be findable, accessible, interoperable and reusable. However, they don't tell how to make data have these characteristics.

In collaboration with the RDA FAIRsharing, ELIXIR and Repository platforms groups, the Interest Group on Agricultural Data (IGAD) would like to bring up for discussion the implementation of the FAIR Principles and challenges in the agricultural domain at the RDA Plenary Meeting in Berlin 2018. The aim of this joint session is to discuss practical questions such as:

- What does it mean to make data FAIR?
- What tools and methods?
- What incentives?
- Success stories?
- What have other IG/WGs produced to date that address FAIR?

## Meeting agenda \*

Friday 23rd March 2018 : 11h to 12h30

Time	Session	
11h00 - 11h15	IGAD	Opening by IGAD chairs: main conclusions and key lessons from the IGAD pre-meeting dedicated to FAIR data in agriculture
11h15 - 11h30	FAIRsharing and the FAIRmetrics.org	Speaker: Susanna-Assunta Sansone Title:
11h30 - 11h45	ELIXIR IG	Speaker: Rob Hooft Title: ELIXIR and its plant breeding use case
11h45 - 12h00	Repository platforms	Speaker: Title:
12h00 - 12h15	Data Discovery Paradigms IG	Speaker: Siri Jodha S. Khalsa Title: Research Data: Recommendations from the DDPIG for finding it and making it findable
12h15 - 12h30	Q/A and closing remarks	IGAD

**Audience: Please specify who is your target audience and how they should prepare for the meeting \***

- Policy makers on Data management in Agriculture

- Government representatives, funders, representatives of international agencies – UN, EU etc
- Agriculture domain experts, researchers, academicians
- Data providers, data publishers
- Data managers, data mining experts, data analysts
- Librarians, data curators