

Meeting date: 5 September 2022
Meeting place: Online via Teams

Meeting #4 2022: AGRO Data Management Committee

AGENDA

1. Approval of agenda
2. Messages
 - a. Activities at faculty and national level – Jens
 - b. Other messages from the committee members
3. Follow-up from last meeting
4. Collaboration with DIS on digital data and workflows
5. HPC needs and opportunities
6. Use of videos for procedures and protocols
7. Roadmap for the implementation of FAIR data management at AGRO
8. AOB

Re. 1: Approval of agenda

Approved.

Re. 2a: Activities at faculty and national level – Jens

August 24th, Jens attended the joint NAT-TECH seminar (FAIR) where the wheat rust toolbox was presented.

September 7th – Meeting #11 in ministry working group A. A workshop on use cases re. FAIR data management is planned for 10 October 2022

Birthe Christensen Dalsgaard is chairing the AU coordination committee for the implementation of FAIR data management at AU. She has been absent due to being on vacation for the last three months. Jens will follow up on AU policy and monitoring of implementation with her.

Implementation of ERDA and ERDA-SIF at AU has been postponed to JAN 2023.

Re. 2b: Other messages from the committee members

Amélie: the JORD section has been discussing the present soil database in JORD comprising loads of data, however, it is no longer compliant with present legislation. Over the next year, we will relocate all this data to a new, unique database. Present database is also in Danish, which is a huge issue as this should be in English. Key persons to facilitate the transition will be Amelia and Wong.

Jens has already discussed this issue with Tommy and Mogens H. Greve and the present challenge is to avoid that each section tries to develop their own data management solutions to cater for own needs. However, we need ONE generic system to handle data and making them FAIR – a common roadmap for a solution.



Re. 3: Follow-up from last meeting

Lea will be dealing with issues/challenges in both Flakkebjerg and Foulum. However, being newly employed, she has only been involved in data filing. Foulum will always provide advice and concrete assistance. Jens informed that JEO will allocate internal money for a three-year project. This project is supposed to support the single projects and section needs for the FAIR data management.

René: When drafting applications, we need to be able to describe how we handle data. In the EU-projects, we must have a specific data management plan. The data management plan should be regarded as a huge asset as we may gain from having this.

FAIR data management workshops will be scheduled with Birte Christensen-Dalgaard and Torben Brejnegaard Nielsen as guest speakers.

How do we measure success regarding implementing FAIR?

Mette: More colleagues need access to FR-jord? Jens: This might be included as a use case when starting the development of common FAIR data management solutions in our institute

Re. 4: Collaboration with DIS on digital data and workflows

Foulumgaard: Today, all data is transferred into an access database. Jens BK and Jens GH met up with DIS in mid-August to discuss their expertise and possible collaboration.

Step I: In December, we need to get DMPs for all our big datasets. We need to identify a template, which is in compliance with Danish and EU rules and regulations.

Step II: In January, we will host a workshop with DIS.

Step III: We will draft a system description of data and workflow; and Foulum, Flakkebjerg, and Askov will be involved as well.

René: In Flakkebjerg, the scientists usually accept and respect the protocol already planned/accepted. However, if companies want different work methods, the companies will have to pay extra. New initiatives are always welcome. Workshops are most welcome in order to exchange ideas. ARM is used to organise company trials.

Re. 5: HPC needs and opportunities – Amélia is substituting for Maria K. Amélia was cc on all information, however, only feedback from 2 colleagues has been received. JORD and Climate have participated in this discussion. Please provide feedback to Maria Knadel if you have any input.

Christina Rønn I.: Asked about repository for genomics data. Can we move data to ERDA or DeiC Dataverse? Jens will get back to you when more details are available.

Re. 6: Use of videos for procedures and protocols

Small videos can easily be made with our mobiles, and we will be able to store the videos on our own server. It is very relevant to produce a few, small instruction videos, however, we have been very busy in the field. René has produced a minor video from the field with Anders AD in it. Even though we have protocols available, at Flakkebjerg, we never send students into the field without technicians. This secures that the use of equipment and procedures are according to agreed standards and protocols. Marie Knadel, René, and Anders should still try to produce some small videos to be included in protocols. Aim: to improve protocols and quality in our work.

Re. 7: Roadmap for the implementation of FAIR data management at AGRO

Jens presented the roadmap with time, activities and showed the goals:

GOALS: Raise awareness of FAIR data management; Training and education; DMP for all larger data sets; First data sets on ERDA, ERDA-SIF and/or DeIC Dataverse; More time dedicated to FAIR; DIS System description; Define KPIs for the process.

René: data management is important in drafting applications. Lea is not yet collaborating with Foulum colleagues in the application processes, so no experience in this area yet.

Jens will convene Lea for a separate meeting to further inform and update on the work tasks across Foulum/Flakkebjerg.

We need more time allocated regarding data management in the application process.

The section head will be updated with a new time schedule from Jens. However, Jens needs PowerPoint presentations in order to feed in our needs to the section head.

A Deic workshop will be set up on October 10th for discussions about best practice and use cases which successfully made workflows and data FAIR.

Milestones: inform about our work at Researcher Days (appr. 8-9 November) and other workshops.

Jens will meet up with all the section leaders. And for this purpose, Jens will draft a PowerPoint presentation to be shared with this group and ask for comments, before presenting this to the section leaders.

DeiC workshop on 10 October: the following member finds it relevant to participate in this: Lea Kjærgaard Eriksen. If more members are interested in participating, please contact Jens GH.

Working Groups:

Jens: Re. DIS collaboration, can we discuss in the committee about Field Equipment? Field management meetings for Foulum/Flakkebjerg are non-existing today according to Anders AD.

Jens: what is status on using barcodes? Karin: We don't use bar codes in the labs currently. Jysk Teknologisk Institut has set up user groups regarding Gas Chromatography (GC) lab machines and convened for a meeting where two employees from the GC lab will attend. Anders AD uses bar codes. René uses bar codes. Foulumgaard doesn't use bar codes.

Can we implement one common system for all experimental stations? Anders AD voiced that it is not possible to implement a common system.

Anders AD proposed to make a short description on how we use bar codes – could we ask one or two PhD students to produce this as duty work?

René will draft a small introduction on how they implement/use bar codes.

Foulum colleagues are most welcome to attend the ARM course which will be held at Flakkebjerg.

Jens will convene for a meeting in October regarding the Researcher Days?

Our statistician, Maarit Maenpaa, would like to hold seminars on data management and statistics - Jens will discuss with her how to combine courses on statistics with Data management.

Present committee would like a full-day meeting before the Researcher Days on October 24th to be held in Foulum from 10:00 – 16:00. Jens will convene and draft an agenda. Meeting room PV22 has been booked.

Draft Roadmap

Roadmap for FAIRification of data and tools at AGRO

Goals: Raise awareness of FAIR data management; Training and education; DMP for all larger data sets; First data sets on ERDA, ERDA-SIF and/or DeIC Dataverse; More time dedicated to FAIR; DIS System description; Define KPI for the process.

Time	Activity	Responsible
Sept	Prepare PPT for section head meeting (Data management committee +) Jens send a draft PPT to all for comments and call on a meeting for a smaller group of "experts"	JGH
Sept (14 Oktober)	Lea participate in section head meeting	LEA
10 October	DeiC workshop with discussion on use cases identified in the Ministry support committee groups	LEA
October	First meeting in AU FAIR data management coordination committee	JGH
24 October Foulum, PV22 10.00 – 16.00	Physical meeting plus workshop in Agro Data management committee Agro internal workshop on FAIR data management – new working groups invited. Work on three Agro use cases including barcoding experiences and best practices. Physical meeting in the DM committee. Maybe Invite Torben Bregnegaard Nielsen and Birte Christensen-Dalsgaard (ERDA-SIF and AU strategy on FAIR data management)	JGH
November 8-9	Researcher Days	
December	Workshop on DMP for datasets and ERDA; ERDA-SIF	
January	Agro-DIS workshop to define workflow system from field – lab – database system including digital protocols	

KPIs

No participants at Agro FAIR DM workshops:
Number of DMPs accomplished:
Datasets on new AU, National repositories:
No of projects with Agro DM time included:

KPIs

Lea: focus on data management in applications
x
x

Re.8: AOB

Researcher Days: Christina asked how much time we should allocate to the Data Management Committee? Jens and Lea will be talking about the committee's work and best practice – in total, we need 1 hour on the agenda.

Proposal for next agenda on October 24th:

Visit Foulumgaard
Visit the labs