AARHUS UNIVERSITET
INSTITUT FOR AGROØKOLOGI

Mødedato: 16 Juni 2023
Mødested: Teams online
Mødeemne: Data Management Udvalg

Deltagere: Jens Grønbech Hansen, Friederike Malisch-Johnigk, Lea Kjærgaard Eriksen, Karin Dyrberg, Anders Almskou-Dahlgaard, Christina Rønn Ingvardsen, Maria Knadel, Enoch Narh Kudjordjie,

Excused: Maarit Mäenpää, Amelie Marie Beucher, Dennis Villadsen, Rene Gislum, Mette Vestergaard Odgaard

1. **Approval of agenda**

2. **Follow up from last meeting**

2.1   Update Tech Digital Infrastructure Committee (DICOM)/Amelia
2.2   Update on ARM day 14 March at Flakkebjerg /
2.3   Update on Statistics, Storing R-scripts and R programming platform integration
        with data management / Maarit
2.4   ERDA / SIF / Dataverse / Jens

3. **News from each section (Please appoint an ERDA super user in your section. We will start establishing a network in the institute- Train the trainers approach) / all**
4. **Digitize and Structure the flow of data and analysis in the Catch crop experiment – a use case data management exercise / Jens**
5. **Recommendations to the institute leadership / alle**
6. **Updated Roadmap / skal vi have et oplæg fra AU Data Management udvalg efter sommer sammen med ERDA / SIF Intro se bilag om hvilke opgaver dette udvalg har (Kommissorium AU Datamanagement.docx)**
7. **AOB**

Ad 1   The agenda is approved.

Ad 2   Follow up from last meeting:
    i.   Jens participated in a section head meeting about our work on the 24th of February and asked the section leaders to consider a data steward or data manager in Flakkebjerg and Foulum, in order to advise the employees on data management and to offer practical help. Jørgen Olesen will consider

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the suggestion and thanks the Data Management Committee for their work. Jens also gave an update and overview over the challenges and processes within the field of Data Management (see powerpoint presentation).

ii. There has been a meeting in Flakkebjerg with Jens regarding a new position. Aim to continue the work with the Digital disease platforms and more data bases in Flakkebjerg e.g. the Seeds database organized by Birte Boelt

Lea gives a short summary of key discussion points from the above mentioned meeting in Flakkebjerg regarding the future data management and needs in that regard. It was agreed during the meeting that a data steward would be very good. The next step is to find funding and to clarify the specific needs and hours. Jens pointed out that some people will retire within the next years and there is a need to find someone in good time to take over their responsibilities sucg as the Toolboxes.

iii. Update on Tech Digital Infrastructure Committee (DICOM):
Maria passes on information about the DICOM meeting. Erda is up and running since April, Erda-SIF is still in Beta-version. Funding was discussed. DeiC is an option for applying for different resources. The committee could be a good contact when it comes to big data and artificial intelligence, so we will keep colleagues updated on important aspects.

iv. ARM day in Flakkebjerg:
Anders gives an updated on ARM day in Flakkebjerg, where he gave an introduction to the program. There was a wide range of participants, but no one from Foulum. Everyone was very happy with the day. Anders would be willing to organize an ARM day in Foulum as well, for example to include employees from Foulumgard.

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v. Update on Statistics, Storing R-scripts and R programming platform integration with data management:
 The update is postponed because Maarit is excused from the meeting.

vi. Update on ERDA/SIF/Dataverse:
Jens updates that a vice director at AU science will be elected, who will also deal a lot with data management. We therefore postpone the workshops regarding ERDA and SIF until everything is settled and the work with the databases has not yet started. Also, there has been some changes to the possibilities of ERDA (for example freezing datasets as DOI is pending).

AD 3   News from the sections:
Due to the above mentioned aspects regarding ERDA, we will not start with it yet, but it is encouraged to announce one superuser for each section and start practicing with ERDA. We can then also feed our requests and needs for features to the ERDA development group.

There are no pressing issues in **Soil fertility**. We will contact the section to figure out the most suitable superuser for ERDA/SIF as soon as it is necessary. Potential candidates are Iris or Ingrid.

Entomology and Plant Pathology works with genomic datasets, which are mainly stored on outside servers. The other sets of data (metabolomics) are stored in-house but would need a more secure platform. Enoch is happy to be trained as ERDA superuser for his section.

Jens will discuss the ERDA superuser of **Crop Health** with Rene Gislum.

Soil Physics and hydrology is still very busy with cleaning and organizing their datasets. A new user interface has been developed which also offers English as user-language (additionally to Danish). They held a digital mapping workshop in Skagen, where they also discussed their data management plan which now needs revision from Mogens. It is suggested to invite Ying to the next meeting to present the Data management plan for this project. Regarding the ERDA superuser, Maria will discuss it with the group during the next section meeting in June. Jens also suggest that a superuser could be a postdoc.

There is interest in Data Management in the group of **Crop Genetics and Biotechnology**, but they are still figuring out the needs and challenges (which are only minor). Christina will be the ERDA superuser for the group.

There are no pressing issues in the **Climate group**. Jens will be superuser, but would like to appoint a second one from another scientific field.

No representative from **System** present.

AD 4 Digitize and Structure the flow of data and analysis in the Catch crop experiment – a use case data management exercise:

Jens gives an overview over the work - and data flow in the catch crop experiment which takes place both in Foulum and Flakkebjerg (see power point presentation). There will be a report on the experiment with general recommendations for the future – feedback and needs for recommendations are

highly encouraged from the group members. Anders reminds that ARM can already handle some of the issues presented from the experiment and that many external stakeholders use it, so it is important to keep it additionally to future platforms.

One upcoming issue/aspect is the pinning of GPS coordinates to field trials (Jens asks about the opportunities to pin GPS coordinates. In Anders experiences, using the mobile phone (most common way) is not very precise. An alternative is google Earth. A good solution could be to attach a sensor to the mobile phone.

AD 5 Recommendations to the institute leadership:
   This point is postponed to next meeting.

AD 6 Updated Roadmap / a possible input from the AU Open Science data management comittee after summer including status on ERDA / SIF Intro, see attachment about tasks for this committee (Kommissorium AU Datamanagement.docx):

- The workshops which were supposed to take place in spring have been postponed to autumn due to the delay with ERDA/SIF.
- Jens suggests to have the next meeting physically and to invite more people from Open Science.
- It is envisaged to have a first meeting on ERDA use before the summer break for the section superusers.
- For the specific roadmap please see the power point presentation.

   The next meeting will be on the 1st of September, were we will hopefully be able to have first feedback from the superuser group.

Any recommendations for the leadership group?
- Have data management stewards in Flakkebjerg and Foulum
- Recommendations from DIS for long term running of data management
- There are no further issues that need to be addressed with the leadership right now

AD 7 AOB:
   No other business needs to be addressed.