

**Meeting on: 2 March 2017**

**M1**

**Section meeting**

**Participants:** Climate and Water, Karin Dyrberg

### **1. Approval of agenda**

“Applications, status, possibilities and coordination” will in the future be a part of the general meeting. It can be valuable for the students to follow the discussions and it will open up for that students can be involved in the applications.

### **2. Messages**

Three interdisciplinary centers will be formed at ST with a budget for each center on 3 mio per year:

- 1) Climate Change – led by Jørgen Brandt, ENVS
- 2) Bio-based society – led by Uffe Jørgensen, AGRO.
- 3) Geo-spatial measurements – led by Esben Auken, GEO

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*From section leader meeting (Jørgen):*

- Budgets for teaching activities will be increased.
- Applications for internal projects: Jørgen has discussed with some of you on adjustment in the applications budgets. We need to find out if we actually have enough man months. It is possible to apply for an internal project as co-financing for a PhD student.

*Jytte:*

Booking of meeting rooms is now via the calendar in Outlook. All meeting rooms in Foulum start with ‘88’. Please check that you get an e-mail from the meeting room. If not – then you have done something wrong. Jytte is willing to guide you if needed.

### **Ad 3: Staff news**

1<sup>st</sup> March three persons started in our section, but only one is present today:

- *Lea Staal*, PhD student – Poul Erik is supervisor
- *Estée Swartz*, AC-TAP – Jørgen and Tommy are contact persons
- *Sando Imer*, IT-specialist. Sando introduced himself. He has an electronical engineering background and he is familiar with different software. He is looking forward to work in our section.

### **Ad 4: Collaboration in field and laboratory, Jens Bonderup Kjeldsen and Karin Dyrberg.**

Jens was not able to attend the meeting. Karin introduced herself and explained the importance of dialogue between the lab-staff, supervisors and students from day one

or even before the student starts. She presented the document 'the good plan'. This document is essential for her in order to plan staffing in the lab. It is not easy to fill out the details in the form beforehand, but as a minimum contact information and project number is important.

Unfortunately a lot of work had piled up in the lab, especially for C&N analysis. New equipment has been installed and the capacity is much better now and the technicians are now able to comply with the demand.

#### **Ad 5: Follow-up on MUS**

Jørgen presented 'his impression' from the Staff Development Dialogues. One of the main issues is 'giving feedback'.

## Staff Development Dialogue

- We are not doing so bad, but can improve
- Staff like the work and the workplace
- We need to improve on
  - Feedback (positive and negative) giving and accepting
  - Celebrating successes
  - Dialogue on research issues/plans (dedicated meetings)
- Higher involvement of postdocs/PhDs
  - Application for research funding
  - Training (journal club, MSc courses etc)

The journal club will emerge again. This time led by Kiril and Anders.

It was decided that we should setup a range of dedicated meetings (2 hours) where research topics are discussed. The meetings will be led by a senior. Jytte will make a list and book meeting room.

The Working Environment Committee would like to have input on the form of MUS. Conclusion: there were too many questions and it should be possible to mark 'not relevant' to the questions.

#### **Ad 6: Publications**

- The long-term effect of climate change on productivity of winter wheat in Denmark: a scenario analysis using three crop models
- Changing regional weather–crop yield relationships across Europe between 1901 and 2012
- Multi-model uncertainty analysis in predicting grain N for crop rotations in Europe
- Increasing the spatial scale of process-based agricultural systems models by representing heterogeneity: The case of urine patches in grazed pastures
- Water use efficiency and shoot biomass production under water limitation is negatively correlated to the discrimination against <sup>13</sup>C in the C<sub>3</sub> grasses *Dactylis glomerata*, *Festuca arundinacea* and *Phalaris arundinacea*
- Annual balances and extended seasonal modelling of carbon fluxes from a temperate fen cropped to *festulolium* and tall fescue under two-cut and three-cut harvesting regimes
- Nitrous oxide emissions and nitrogen use efficiency of manure and digestates applied to spring barley

#### **Ad 7: Social event**

Photo-safari in Africa will be arranged April/May. Jørgen and Eva have volunteered to show pictures. The date will be announced soon. The event will take place in F32.

Whole day excursion in August. Poul Erik and Kirsten are responsible and the date will be announced soon.

#### **Ad 8: AOB**

Jytte is on holiday week 10. You can contact Anna Dorthe from JORNÆR if you need secretarial assistance.

Britta will arrange that preliminary versions of the staffing budgets are available soon.

ProMark – please...

#### **Ad 9: Status on applications**

| Applicant               | Grant Source             | Project Title  | Application date | Applied amount total, incl. partners and overhead | Page 4/5 Applied amount to the dept., incl. overhead |
|-------------------------|--------------------------|--|------------------|---|--|
| Arezoo Taghizadeh-Toosi | ERC                      | SinCSoil: Soil inert carbon as a sink for atmospheric carbon dioxide in simulation models: Are we getting it right? SinCSoil   | 16-10-2016       | 10.106.848  | 9.866.758  |
| Finn Plauborg           | Danida Fellowship Centre | BSU phase III  | 15-02-2017       | 13.000.000  | 3.000.000  |
| Finn Plauborg           | CEWP/EU                  | fase 1 - Rural Water and Food Security   | 14-02-2017       | 3.000.000   | 562.500  |
| Finn Plauborg           | Horizon 2020             | Fase 1: MoreSoilWater  | 14-02-2017       | 37.500.000  | 3.750.000  |
| Jens Grønbech Hansen    | Kartoffelafgiftsfonden   | Skimmelstyring på mobiltelefon og tablet   | 22-02-2017       | 84.000  | 84.000   |
| Jens Grønbech Hansen    | Horizon 2020             | Fase 1 - Organic-PLUS. Pathways to phase-out contentious inputs from organic agriculture in Europe   | 14-02-2017       | 29.700.000  |  |
| Jens Grønbech Hansen    | C-IPM                    | Robust Combinatorial IPM in Potato   | 30-09-2016       | 5.962.317   | 1.899.206  |
| Jørgen Eivind Olesen    | Danida Fellowship Centre | Strengthening Ghana's resilience to drought impacts  | 02-03-2017       | 8.500.000   |  |
| Jørgen Eivind Olesen    | Danida Fellowship Centre | Fase 1 - Will Agroecological Intensification Enhance Resilience?   | 01-03-2017       | 10.000.000  |  |
| Jørgen Eivind Olesen    | Horizon 2020             | Fase 1. COP-CA. Community Of Practice network on Conservation Agriculture  | 15-02-2017       | 14.899.350  | 1.295.370  |
| Jørgen Eivind Olesen    | Horizon 2020             | Fase 1 - WATERSTORAGE  | 14-02-2017       | 36.375.000  |  |
| Jørgen Eivind Olesen    | Horizon 2020             | Fase 1 - ALBATROSS   | 14-02-2017       | 52.488.750  |  |
| Jørgen Eivind Olesen    | Horizon 2020             | CIRCASA - Coordination of International Research Cooperation on soil Carbon Sequestration in Agriculture   | 14-02-2017       | 18.750.000  | 931.250  |
| Jørgen Eivind Olesen    | Tips- og Lottomidler     | Forskningsformidling om landbrug og vandmiljø  | 01-02-2017       | 454.800   | 38.000   |
| Jørgen Eivind Olesen    | FACCE ERA-GAS            | approved for stage 2 - ResidueGas. Improved estimation and mitigation of nitrous oxide emissions and soil carbon storage from crop residues  | 19-12-2016       | 14.070.000  | 2.887.500  |
| Nicholas John Hutchings | Horizon 2020             | Fase 1: FarmCircle: European Initiative to Strengthen Innovation in Optimizing Farm and Regional C, N and P Cycles for the Circular Economy  | 10-02-2017       |   |  |
| Nicholas John Hutchings | FACCE ERA-GAS            | Accepteret til F2. DataMan. Establishment of a Database and Inventory Refinement for GHG emissions associated with Manure and Nitrogen Management  | 03-05-2016       | 9.491.300   | 2.220.000  |
| Poul Erik Lærke         | FACCE ERA-GAS            | Videre til F2. PEATWISE - Wise use of drained peatlands in a bio-based economy: development of improved assessment practices and sustainable techniques for mitigation of greenhouse gases | 19-12-2016       | 14.892.550  | 1.855.050  |

Der forventes en del flere ansøgninger til Danida Fellowship Center.

#### *Innovationsfonden, frist 8/3:*

- Uffe koordinerer en ansøgning
- Jens, Jørgen, Christen og Mathias er også involverede i ansøgninger til Innovationsfonden

#### *GUDP, frist 21/3:*

- Jørgen er med i en genindsendelse af en tidligere afvist ansøgning
- Nick er involveret sammen med Institut for Ingeniørvidenskab, men først til efterårs-runden.

#### *Erasmus +, frist omkring 1/4:*

- Poul Erik arbejder på en ansøgning omkring undervisning i biobaseret økonomi sammen med universiteter i Wageningen, Hohenheim og Finland.

Derudover er Poul Erik involveret i ClimateKick ansøgning, men her finansieres kun mellem 25-50% og der skal derfor en del medfinansiering til.

Det er generelt en stor udfordring at Innovationsfonden ikke længere vil medfinansiere EU-aktiviteter, f.eks. ERA-NET. Det betyder at vi ikke kan deltage i så mange ERA-NET ansøgninger.

Vi skal være bedre til at spotte ansøgningsmuligheder for vore Post Docs, f.eks. Det frie Forskningsråd, og vi skal hjælpe dem noget mere med at udfærdige ansøgninger.

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## **Ad 10: Myndighedsopgaver**

### Igangværende myndighedsopgaver

- Landsdækkende erosionsmodellering (Mette)
- Opdatering af NLES (Christen, Helle, Jørgen m.fl.)
- Kortlægning af dræn (Christen)
- Databasestrukturer og dokumentation (Nick, Mette, m.fl)
- Virkemiddelkatalog på klimagasser (Jørgen, Anders)
- År 1900 udledning (Jørgen)
- Scenarierapport for drivhusgasser (Jørgen og Anders)
- LULUCF usikkerheder (Jørgen)

Finn er blevet projektleder på en stor opgave omkring forskning i minivådområder med matricer og drænvirkemidler.

Poul Erik har fået en opgave omkring lavbundsjerne. Ministeriet interesserer sig meget for de klimamæssige perspektiver i lavbundsjerne.