

## **Joint meeting Research Committees Nat and Tech**

**Meeting date:** 24 March 2021, 1:00 – 3:00 p.m.

**Meeting place:** Virtual meeting – link in invitation

**Attendees:** David Lundbek Egholm (DLE) - Vice-Dean Nat (chair), Brian Vinter (BV) - Vice-Dean Tech (chair), Edzard Spillner (BCE), Anders Møller (CS), Peter L. Langen (ENVS), Derek V. Byrne (FOOD), Henrik Balslev (BIO), Kasper Lynge (CAE), Knud Erik Bach Knudsen (ANIS), Kurt Vesterager Gothelf (iNANO), Michal K. Budzik (MPE), Ove Christiansen (CHEM), Per Kudsk (AGRO), Steen Hannestad (PHYS, until 2. p.m.), Søren Fournais (MATH), Søren Munch Kristiansen (GEO), Toke Thomas Høye (BIOS), Torben Heick Jensen (MBG), Luc Janss (QGG), Daniel Enrique Lucani Rötter (ECE), Kia Sofie Abildtrup (Dean's Secretariat, Tech), Astrid Klíngen (Dean's Secretariat, Nat)

**Guests:** Eske Christiansen (DeiC), Mikkel Heide Schierup (BiRC), Samuele Soraggi (CHEM)

**Apologies:** n.a.

### **Draft Minutes**

1:00 – 1:05 by chairs

#### **1. Welcome and introduction of new members**

David opened the meeting by welcoming all participants, in particular guests and new members of the committee. All attendees shortly introduced themselves.

#### **2. Approval of agenda**

All participants did approve of the agenda.

1:05 – 1:20 by Eske Christiansen (incl. 5 min Q&A)

#### **3. DeiC's four types of HPC-resources**

David introduced the choice of topic for the meeting, which was among others motivated by new funding resources for HPC, and digital infrastructure in general, becoming available.

Eske presented DeiC's four types of HPC-resources (see slide deck attached). The following discussion centred around the excellent employability of low-threshold type 1 for teaching purposes.

1:20 – 1:35 by Ove Christiansen / Samuele Soraggi (incl. 5 min Q&A)

#### **4. Introduction to EuroHPC**

Ove introduced Samuele and pointed out, that Samuele will be happy to offer instructive meetings at different institutes. In his presentation, Samuele highlighted the opportunities offered by EuroHPC (see slide deck attached).

Upon request by the committee Ove and Samuele specified, that Denmark is still a member of PRACE at the time being, but will join EuroHPC as soon as this platform is fully functional.

1:35 – 1:55 by Brian Vinter (incl. 15 min discussion)

### **5. Organisation of digital infrastructure at AU**

Brian introduced the AU-internal framework for facilitating access to digital infrastructure, which is centred around AU's HPC-forum (see link: [HPC Forum AU](#)). Large applications are funnelled to EuroHPC, smaller projects to DeiC (incl. teaching and sand-box resources <1000 CPU hours). The forum can also allocate internal resources where necessary. Finally, the forum strives to act strategically and reach out proactively, e.g. to meet the upcoming challenge of DFF and ERC retracting from funding purchase of HPC equipment to be installed locally.

1:55 – 2:20 (incl. short break)

### **6. Discussion in topical break-out groups**

All attendees did participate in topical discussions groups:

- How to train early career scientists in use of digital infrastructure? (1)
- How to train early career scientists in use of digital infrastructure? (2)
- How to improve the faculties' utilisation of type-1 computing resources?
- How to design efficient support structures in order to secure, exchange and transfer knowledge about digital infrastructure?
- How to oblige with GDPR on HPC machines?

2:20 – 3:00 by chairs

### **7. Recap of key results from break-out groups**

Back in plenary, a spokesperson each did sum up the major focus points from the topical discussion groups. Recurring motives were:

- It is important to raise awareness of the available resources and provide systematic training and tutorials (incl. presentation of stimulating low-threshold cases).
- When developing out-reach/training measures, remember to focus not only on early career scientist, but on first-time users in general.
- Highlight the benefit of connecting individual researchers through use of joint infrastructure.
- Secure that the "1000 DKK-limit" for DeiC's type 1 does not scare people away.
- Improve visibility for points of entry, also by top-down communication
- Researchers working with data protected by GDPR experience special and partially severe challenges.

Members were encouraged to inform the vice-deans if they have computing issues or input.

### **8. Status from chairs and local Research Committees**

Brian gave a short status of Innovation Fund Denmark's call for roadmaps in the framework of their new Innomissions-programme. With the call published 17 March, and deadline 12 May, the process is extremely tight. Brian and David coordinate AU's engagement in the process for all four missions, and invite research input to be submitted asap.

**9. AOB**

Upcoming meetings:

- 19 May - Research Committee Nat
- 20 May - Research Committee Tech
- 6 October - Joint meeting Research Committees Nat and Tech