DeiC HPC-Forum
Meeting 2023-2
13/10/2023
Zoom: https://deic.zoom.us/j/2909030409

Invited members and support:
- Members, present: Himanshu Khandelia, Antonio Rago, Thomas Schrøder, Erik B Dam, Helle Zinner Henriksen, Phillippe Bonnet, Lars Nondal, Jens Vinge Nygaard, Søren Besenbacher, Sven Karlsson, tbli?
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- Members, absent (announced):
- Members, absent (not announced):
- Support: Eske Christiansen,
- Support: Rune Gamborg Ørum

Guests:
- …
- …

Minutes from last meeting (#2023-1) was added to meeting invitation.

Minutes by: Rune Gamborg Ørum.

Item	Issue	Comments | Actions
1	**Information and approval of minutes from last meeting** Approval: A. Minutes from meeting #2023-1 was approved by email in spring 2023. Information items: A. News from DeiC B. News from LUMI. Erik B. Dam will be stepping down as a representative from KU after Philippe has changed employer to KU. Eske: News from DeiC HPC Eske presents a status from the HPC area. Slides will be attached. There are plans for rearranging the model and allocating more Type2 resources, and giving more control of Type1 back to the universities. **HPC calls** Sven: Suggestion: Schedule a tour to the front offices about the application process Antonio: There is a need for even more elasticity than just the Type1 resources. The mechanics of the call are still too *rigid*. Thomas: Users of local resources still need to be taught to move on and apply for the DeiC resources. Sven: Tighter feedback loops. Resources more frequent resource usage data. **Contracts** Philippe: What is the timeline for input from HPC forum? Rune: The stakeholder timeline in being prepared to begin early next year **Status on DST contract** Will members of the forum be able to pressure KOR into changing the data format Lars: We will need some technical input from DeiC to use when arguing this We need to see more documentation on the project in general Philippe: There should be a very very strong pushback against the SQL choice. Sven: We should write a statement from HPC forum. Philipe will start the draft. **Small bits** Sven: DeiC conference is overlapping with supercomputing and Digital Tech Summit **News from LUMI** % of usage from different universities Svend: Can we se how much has been *used*. In an accumulated graph Eske will share the list of problems on LUMI	→ A: … B: … C: … D: …

	Sven: Can you clarify if the problems are related to system conf. or somewhere else? Antonio: There are several other problems. The machine isn't working! It is impossible to run large jobs. The stability is unacceptable, and the policy of dealing with the problems is stale. Philippe: Is there any form of reliability? HPC forum will have to report to the DeiC board from the user side Antonio: The scheduling and the management layer is the problem. The definition of scope is political. The machine is not bad, just badly managed. Governance and product ownership. Eske: I will get back to HPC forum after the meeting with LUMI Sven: We should collect statements from the large users Philipe: We should look for alternatives to LUMI 2 **HPC user survey** Sven: The survey will be important. The users voices are important Phlipe: Would it be fair to ask the board about reliability here	
2	**KPI's for HPC facilities.** Follow up on previous meetings on KPI's for the HPC facilities. (#2023-1 and in 2022). Where are we, and what is needed in order for us to be able to define concrete KPI measurements for the HPC facilities. DeiC is currently designing new contracts for the facilities. These contracts will be running from 1.1.2025 and the DeiC board needs input from HPC Forum, concerning what needs to be included in these contracts. Philipe: We will have to come up with recommendations for what needs to be in the contracts. There will be different metrics for different facilities. We should prepare more regular activity, and a physical meeting for the work in jan-feb. + monthly calls 8:30 – 10.00 Sven: Novo is currently interested in going in the direction of having a GPU facility in Denmark. <mark>I can present the initiative at a coming meeting.</mark> Philipe: What input does the DeiC board need from HPC forum when negotiating with Novo Philipe: We should be looking at KPI's for the existing facilities. Common KPI's and specific KPI's for each different facilities DeiC is conducting a user survey of the users that have had an existing grant though DeiC. Philip: We should have a lot more focus on user needs. The job is with HPC forum. I will collect the initial comments.	
3	**HPC investments from 2025 and forward.** In 2019 A predecessor of this HPC forum developed a paper on recommendation for investment in HPC resource on a national level in Denmark https://www.deic.dk/sites/default/files/documents/PDF/Fremtidigt%20nationalt%20HPC-landskab-2019.pdf . To enable Danish research for the future the HPC forum needs to send advice for the DeiC board on how to invest in HPC from 2025 until 2030. The approach is both a bottom-up and a top-down approach. This item is to kick start the work. Will start with a presentation from the chairman setting up the groundwork and timeline. Philip: We need to get a lot better at identifying the needs before we can identify the investments. Eske: The board will be taking the forums recommendations into serious consideration. Antonio: We are missing a status on the Type1 GPU upgrade Task: Please submit thoughts on KPI before next time	→

6	**Around the Table** What is currently happening at the universities related to HPC? This is both in regards to research and teaching, but also concerning resource allocation etc.	→
6	**AOB.** Sven: Better knowledge sharing would be useful. E-ressource udvalg, DST, facilites, etc. Small final things, notices etc.	→

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