

# DeiC HPC-Forum

## Meeting 2022-2

10/3/2022 @ 09 – 11

Zoom: <https://deic.zoom.us/j/2909030409>

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| <p><b>Invited members and support that attended the meeting:</b></p> <ul style="list-style-type: none"> <li>- AU, Søren Vang, Leading clinical bioinformatician (SV)</li> <li>- AU, Christian Storm Pedersen, Director of BiRC (CSP)</li> <li>- AAU, Lars Sørensen, Head of Digitalisation (LS)</li> <li>- AAU, Kåre Lehmann Nielsen, Professor Chemistry and Bioscience (KLN)</li> <li>- CBS, Lars Nondal, Chefkonsulent, Forskerservice (LN)</li> <li>- DTU, Sven Karlsson, Associate Professor, Parallel Computer Architecture (SK)</li> <li>- DTU, Thomas Bligaard, Professor, Dept. Of Energy (TB)</li> <li>- ITU, Martin Aumüller, Associate Professor, Computer Science (MA)</li> <li>- KU, Piotr Jaroslaw Chmura, Research programmer (PJC)</li> <li>- KU, Erik Bjørnager Dam, Lektor, Mashine Learning (EBD)</li> <li>- RUC, Thomas Schrøder, Professor IMFUFA (TS)</li> <li>- SDU, Claudio Pica, Head of eScience Centre (CP)</li> <li>- SDU, Hans Jørgen Aagaard Jensen, Prof., Chemistry (HJAJ)</li> <li>- DeiC, Eske Christiansen, HPC Chef (EC)</li> <li>- DeiC, Birgitte Vedel Thage, Chefkonsulent (BVT)</li> </ul> | <p><b>Members, absent (not announced):</b><br/>None</p> <p><b>Members, absent (announced):</b><br/>- CBS, Carsten Sørensen, Head of Finance Dept. (CS)</p> <p><b>Guests:</b><br/>- None</p> |
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Minutes from last meeting (2022-1 meeting 9) was approved by email.

Online: <https://www.deic.dk/en/supercomputing/HPC-Forum>

Minutes by: Birgitte Vedel Thage

| Item | Issue  | Comments   Actions                        |
|------|--|---|
| 1    | <p><b>Approval of minutes from last meeting</b></p> <p>Approval:</p> <p>A. Minutes from meeting 8 was approved by email. On web.</p>   | → No actions                              |
| 2    | <p><b>Information items</b></p> <p><b>A. LUMI Sandbox call. Information and reflections</b></p> <p>Applications are under evaluation (10 received). Nine applications from tech and natural science and one from social science. Total application sum was 25.000.000 CPU core hours. Many applications do not take maximal wall time and scale prediction into account, which is important e.g. for international HPC calls as well. Storage needs also unclear or underestimated in the applications. It was commented that the amount of available CPU hours was very small in the call, which could be the reason for the low number of applications.</p> <p>A question was raised about activity level of the HPC sandbox. The general sandbox in DeiC has had only few requests. Pilot projects has been appointed as benchmark studies for accumulating experiences on the national HPC systems.</p> <p>Monitoring of HPC usage was discussed. Data for usage of the HPC type 1 and type 3 is available, while data for type 2 is inconsistent. One explanation could be the complex set-up with 3 systems within type 2.</p> <p>It was highlighted that national resource calls may help tracking the HPC resources through specific projects in the future.</p> <p><b>B. LUMI information and "new" timeline.</b></p> <p>LUMI time plan delayed. There will be a substantial upgrade of the system. It was commented that DK has exited PRACE, and due to delays it may be an issue to have resources for the users that have used PRACE. Extreme scale within EuroHPC should be initiated in second part of 2022. It was emphasized that the time plan cannot be shared outside HPC forum.</p> | <p>A: No actions</p> <p>B: No actions</p> |

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|   | <p><b>C. Puhuri v2 project start. Goals with v2.</b></p> <p>The objective of the next project would be to ensure that Puhuri2 can continue after NeiC funding is ending. The Danish goal is to ensure eiDAS proxy for industry via wayf access by nemID/mitID. Accounting also a part of the concept – it was asked if AAAI will be part of the next project. Multiple authorization systems across Europe could be a problem so a question was raised if it will be ensured to have same systems within EuroHPC. Identity establishment on HPC facilities across Europe is also made in collaboration with GEANT. The Nordic systems have attention on that it should work with other EuroHPC systems.<br/>Information about Puhuri: <a href="https://neic.no/puhuri/">https://neic.no/puhuri/</a></p>  | <p>C: It was suggested to invite key architects of Puhuri to give an intro to Puhuri to HPC forum (HJAJ)</p>  |
| 2 | <p><b>HPC input for 2023-2026</b></p> <p>HPC forum will at this meeting agree on a first draft of input for the DeiC board to drive and steer the Danish national HPC offering from 2023 to 2026.</p> <p>The chairman acknowledged all the input received from all 8 universities although it was within a short timeframe. The DeiC secretariat was acknowledged for making an overview of the input. Based on the input the chairman shared a frame for the discussion of recommendations to the DeiC board.</p> <p>A separate document was made with recommendations to the DeiC board.</p> <p>It was addressed that there is a need to engage all actors at the universities. HPC forum will therefore request the board that this is a first input paper due to the short timeframe for collection of material. HPC forum need information from the 1<sup>st</sup> round of national HPC applications in order to have a better basis for assessing the needs and suggest to deliver a more detailed report on the HPC offerings in half a year.</p> <p>The recommendation document will be circulated to all HPC forum members for final approval before the board meeting Friday 18<sup>th</sup>.</p> | <p>→ A first document with recommendations will be circulated to HPC members at the latest Wednesday March 16<sup>th</sup> (HJAJ).</p> <p>A concurring HPC forum decided to recommend to the DeiC board that a more detailed report can be submitted on the topic September 2022.</p> <p>It was decided to include more information about project 5 as a topic on the next agenda for HPC forum meeting (HJAJ).</p> <p>It was decided to include a discussion about FO structure on the next agenda (HJAJ).</p> |
| 3 | <p><b>Around the Table</b></p> <p>What happens at the universities related to HPC? This is both for research and teaching but also for usage and resource allocation etc.</p>  | <p>→ Not addressed this time</p>  |
| 4 | <p><b>AOB.</b></p> <p>No additional topics were shared or discussed.</p>   | <p>→ No actions</p>   |

Contacts:

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