

SDU eScience center



Dear researcher at SDU

Below you'll find the April edition of the eScience Center's newsletter, where we give you an update on the recent events at the center and our services, which aim to support your innovative modern research through HPC (High Performance Computing) and cloud infrastructure.

The past few months have been extremely eventful:

The DeiC Integration Portal is here – an ambitious development project, which has expanded the UCloud platform with new functionality to integrate with the DeiC HPC providers.

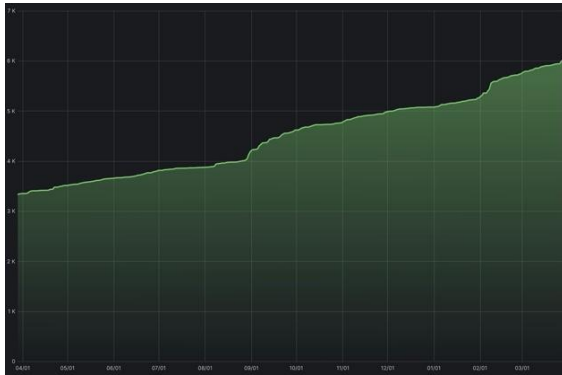
The GPU partition of the LUMI supercomputer (LUMI-G) is now available to Danish researchers. SDU has opened an internal call to apply for the HPC resources available for the second half of 2023, including LUMI-G resources. Deadline for applications is **30th of April**.

During the past month, there have been periods of overload on the DeiC Interactive HPC/UCloud service, and we could also announce that there are now more than 6000 users on UCloud (!). Below you will find a description of the consequences of the overload and what the consortium behind DeiC Interactive HPC is doing to ensure the best user experience under the current conditions, which will be solved once additional hardware has been provided.

We can also say congratulations to the eScience Center's director and professor at Department of Mathematics and Computer Science, Claudio Pica, who has been re-appointed for the LUMI Operational Management Board!

See more information below.

We'll be back with the next eScience Center newsletter in June 2023.



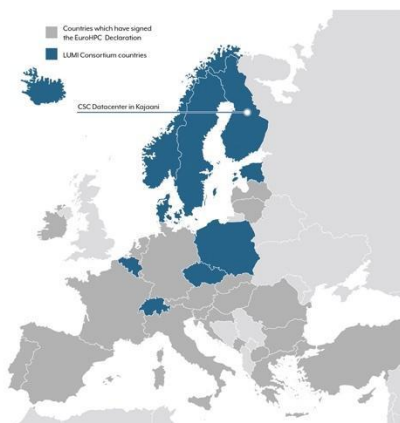
[UCloud reaches 6000 users](#)

Recently, the DeiC Interactive HPC consortium (which consists of Aarhus University, Aalborg University and the University of Southern Denmark) posted a news about the user overload on the service. This is an issue arising from the very [Read more ...](#)



[Apply for HPC resources \(SDU employees only\)](#)

If you are a researcher at SDU, you can now apply for HPC resources for the second half of 2023. Please submit your application **on the 30th of April at the latest**. Remember that you can apply for [Read more ...](#)



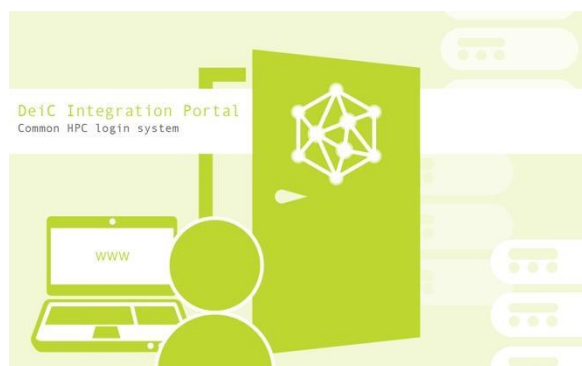
[eScience Center director is re-appointed for the LUMI OMB](#)

The eScience Center Director, Prof. Claudio Pica, has been re-appointed for the LUMI Operational Management Board. The board is responsible for overseeing day-to-day operations, monitoring KPIs and other metrics. Prof. Claudio Pica has been the director of [Read more ...](#)



[The cost of success – user overload on DeiC Interactive HPC](#)

While there was never any doubt that DeiC Interactive HPC would be a success, the popularity of the HPC facility has taken the Interactive HPC consortium a little by surprise. The two-year old system reached no less [Read more ...](#)



[Launch of the DeiC Integration Portal](#)

Since the DeiC HPC services started in November 2020, a consortium of universities (AU, DTU and SDU) has been working hard to finish the ambitious development of the DeiC Integration Portal. The vision of the DeiC Integration Portal [Read more ...](#)



[LUMI is ready to serve at full capacity](#)

The second pilot phase of the European supercomputer, LUMI, using the system's GPU capacity, is complete. The system's performance has been verified with accepted benchmarks and, therefore, LUMI is officially ready to serve Danish scientists in its full [Read more ...](#)

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SDU Data Protection



Collaborations

