



Dear researcher at SDU

The weather might not be reflecting the change in seasons yet – but it is fall and we're ready to provide you with the September edition of the eScience Center's newsletter.

It's been a while since our last newsletter was sent out in the beginning of June, but things have not been quiet over the summer and there is plenty of reading material below.

Two news in particular deserves to be highlighted here:

There are now more than **7000 users on UCloud!** This is an incredible achievement for the eScience Center, who developed the innovative and user friendly platform to make High Performing Computing (HPC) easily available to all research disciplines. For almost three years now, the platform has been used as the basis for the national HPC service, DeiC Interactive HPC, and it is clear that it is one of the most popular HPC services in Europe!

Associate Professor at the Department of Mathematics and Computer Science, Antonio Rago, is leading a project which has been awarded **120 million CPU core hours** on the European supercomputer, LUMI – this is the largest grant that has ever been given for HPC to any researcher in Denmark!

We hope you enjoy reading.

Please also notice three important deadlines: **15th of September** for researchers, who have a research and/or innovation question within Life Science: HALRIC has announced a call for cross-border research and innovation pilot project proposals. **5th of October** for researchers, who have applied for a DeiC national grant and would also like to apply for an internal SDU grant for national HPC resources. **24th of September** if you would like to apply for any of our 3 vacant positions.

The next eScience Center newsletter will be out in November 2023.



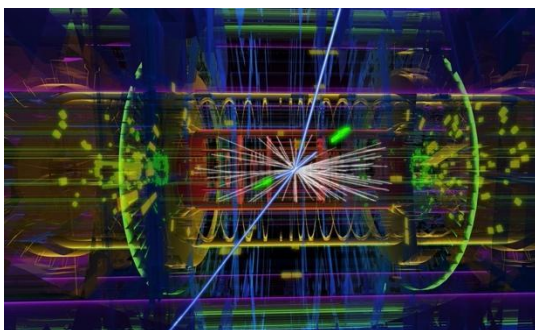
[UCloud reaches 7000 users](#)

What an accomplishment after less than 3 years of running the DeiC Interactive HPC service – there are now more than 7000 users on UCloud! And not only that – we are seeing an increase in the number of active users [Read More ...](#)



[Workshop in the DeiC Interactive HPC consortium](#)

On Monday, September 4th, representatives from the DeiC Interactive HPC consortium met for an all-day workshop at SDU. Twice a year, the DeiC Interactive HPC consortium organizes a workshop, either to discuss specific topics that are useful for [Read More ...](#)



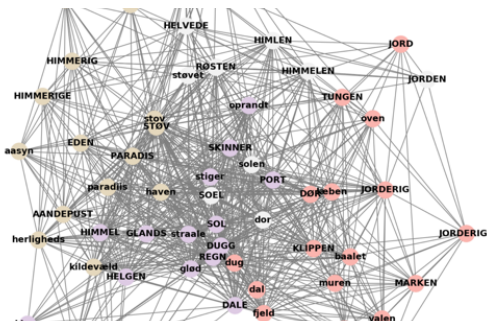
[SDU researcher receives record-breaking HPC grant](#)

SDU has a proud tradition of receiving large European HPC grants, and this has not only accumulated knowledge at SDU of how to take advantage of tremendous computing power in research, it has also attracted and maintained staff [Read More ...](#)



[Utilizing agent-based models in archaeological data](#)

Iza Romanowska is assistant professor at Aarhus University working at the Aarhus Institute of Advanced Studies where she studies complex ancient societies. To overcome the challenges of limited data from these ancient societies, researchers have started utilizing Agent-based [Read More ...](#)



[Creating a Grundtvig-artificial intelligence using HPC](#)

An article was recently published on the DeIC Interactive HPC website about Katrine Frøkjær Baunvig, head of the Grundtvig Center at Aarhus University, who has used supercomputing as a methodological approach in her research. This is the first [Read More ...](#)



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

If you are a researcher at SDU, you can now apply for so called large projects for HPC resources. The resources allocated in this call will be available 1st of January 2024. Please submit your application no later than [Read More ...](#)



[Hosting agreement for LUMI-Q signed](#)

In October 2022, the LUMI-Q consortium, which brings together 9 European countries: Belgium, Czechia, Denmark, Finland, Germany, the Netherlands, Norway, Poland, and Sweden, was selected as one of the six sites that will host the first European quantum computers [Read More ...](#)



[New HALRIC call for pilot project proposals](#)

HALRIC has announced a new call for cross-border research and innovation pilot project proposals. HALRIC welcomes applications from industry, clinics, and academia who have a research and/or innovation question within Life Science that requires the use of minimum [Read more ...](#)



[Two new EuroHPC supercomputers announced](#)

The European High Performance Computing Joint Undertaking (EuroHPC JU) has selected two hosts for a new generation of EuroHPC supercomputers: The Jules Verne Consortium, who will host and operate a new exascale supercomputer in France, and [Read more ...](#)



[New application procedure at SDU for HPC systems](#)

The SDU eScience Center Operational Board has updated our internal application procedure for the HPC systems available to SDU researchers. The new rules and updates will apply from the next call opening this summer, i.e. for the resources available from 1st of January 2024. [Read more ...](#)



[Would you like a job at the SDU eScience Center?](#)

The SDU eScience Center is a leading center for research infrastructure such as supercomputing and cloud computing in Denmark. We provide Danish national supercomputing services and we're involved in several prestigious, international projects. Now you have [Read more ...](#)

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* Documentation: https://help.ubuntu.com
* Management: https://landscape.canonical.com
* Support: https://ubuntu.com/advantage
Last login: Mon Jun 12 11:51:11 2023 from 10.161.0.1
ubuntu@01-192641-306-0:~$
OS: Ubuntu 22.10 x86_64
Host: PowerEdge C6420
Kernel: 5.4.228.el8
Uptime: 12 days, 2 hours, 41 mins
Packages: 803 (dpkg)
Shell: bash 5.2.2
Terminal: /dev/pts/0
CPU: Intel Xeon Gold 6130 (64)
GPU: 03:00.0 Matrox Electra
Memory: 70694MiB / 38550MiB
ucloud in [ 11:53:38 ]
```

New way to use SSH for accessing apps on Interactive HPC

[New way to use SSH for accessing apps on UCloud](#)

One minute! That's how long it took to set up the new SSH access to DeiC Interactive HPC/UCloud applications. If SSH is of interest to you, you probably know that DeiC Interactive HPC/UCloud applications have recently experienced [Read more ...](#)

Contact us

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SDU Data Protection



Collaborations



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