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CLAAUDIA and How We Can Support Your Research

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CLAAUDIA

Application for HPC Resources Through DeiC

National:

- ▶ Interactive HPC (type 1 - UCloud @ SDU/AAU)
- ▶ Throughput HPC (type 2)
  Includes:
  - ▶ Sophia @ DTU
  - ▶ Computerome @ DTU/KU
  - ▶ GenomeDK @ AU
- ▶ Large memory HPC (type 3 - Hippo @ SDU)

European

- ▶ Supercomputer LUMI
  - ▶ LUMI-C (CPUs)
  - ▶ LUMI-G (GPUs)

CLAAUDIA's Assistance for Applications in Fall 2022

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- ▶ Helped **3** researchers apply in the fall 2022: *All 3 were granted.* (2 ENG, 1 TECH)
- ▶ **2** researchers, who previously had assitance for an application from CLAAUDIA, applied and *were granted.* (2 ENG)
- ▶ 1 applicant, who had not sought assistance from CLAAUDIA, applied and was declined.
- ▶ Success rate: 83% (overview)

Recent Round Ended Sunday - Spring 2023

- ▶ **6** researchers were in contact with CLAAUDIA for assistance with applications. (2 ENG, 2 HEALTH, 2 TECH)
- ▶ **1** researcher, who previously had assitance, applied. (1 ENG)

How Can CLAAUDIA Assist With Applications?

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▶ Assessment of needs: Most suitable facility, extent of computational requirements, necessary software.

    ▶ This could also mean, that you figure out you need something else than an application to DeiC.

▶ Feedback on application draft, focus on correctly addressing the various aspects of the application form.

▶ Quick, preliminary access to the desired HPC facility for test and benchmarking of the planned workload.

    ▶ For example, this has also helped 1 researcher clarify that LUMI was not the suitable facility for their application. Due to software incompatibility; important to determine before applying.

More Possibilities

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BREAKING NEW GROUND
AALBORG UNIVERSITY

▶ Please note that there are also other "entrances" to HPC resources
    ▶ EuroHPC
      LUMI and several other large European facilities. *Call for applications every quarter.*
        ▶ AAU researchers have also had success here: most recently Morten Smedskjær from
          Department of Chemistry and Bioscience with a 10 mio. CPU-hour grant.
          It pays to apply! HPC resources are external research funding.
    ▶ CLAAUDIA
      Local facilities + the mentioned DeiC facilities. For samller scale, introduction,
      training and testing. *Contact CLAAUDIA and get access within a couple of days.*

Data Deposit

- ▶ AAU local data deposit solution; deposit your finalised research data
- ▶ Public metadata exposed on AAU's VBN/Pure
- ▶ Deposition of any data type
- ▶ 4 new data stewards in CLAAUDIA ready to assist you

https://datadeposit.claaudia.aau.dk/

Data Deposit

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