

NeIC Generic Area



norden

NordForsk



Nordic e-Infrastructure
Collaboration

NeIC Generic Area

An important focus area for NeIC is to create innovation with new e-infrastructure solutions within generic technologies

Projects Overview

Ongoing Projects

• SGAS Maintenance Project

https://wiki.neic.no/wiki/SGAS_maintenance_project

The SGAS Maintenance Project is a two-year project started in October 2013 to support the continued maintenance and development of the SGAS accounting system.

SGAS is used to record resource usage for Grid and HPC systems within the national infrastructures in Sweden, Norway and Finland as well as for the Nordic participation in the WLCG collaboration. SGAS is also used in the Baltic countries, and Switzerland.

NeIC, SNIC and UNINETT Sigma AS have entered a collaboration agreement to continue to fund the maintenance and development of SGAS. The newest releases and further information on SGAS can be found under: <http://www.sgas.se/> It is also possible to subscribe to the SGAS mailing lists from this site.



• B2Share Nordic

B2Share is developed by EUDAT for researchers who want to long-term store and share research data with persistent identifiers.

B2Share Nordic is a 6-month project started at the end of January 2014 between NeIC and the Nordic partners in EUDAT (CSC - IT Center for Science, SNIC, and SIGMA) to customise the B2Share file sharing service for Nordic communities.

The EUDAT project develops a Collaborative Data Infrastructure which will allow researchers to share data within and between communities to enable them to carry out their research more effectively. At its core are services to support pan-European research infrastructures.

A variety of Nordic communities including BBMRI, NRM, EISCAT, ICOS, NHM, CLSi have been identified as targets for the B2Share Nordic project.

The Biobanking Medical Study Metadata interface defined during the B2Share Nordic project is already online at <http://b2share.eudat.eu>

The project plan, quarterly reports, and copies of previous newsletter issues are found under: https://wiki.neic.no/wiki/B2Share_Nordic



The Nordic e-Infrastructure Collaboration

• Nordic Cloud

The goals of the Nordic Cloud are to share knowledge and set best practices on managing cloud services, and to create a Nordic federated cloud service driven by the needs of Nordic researchers. The sharing of cloud resources among the Nordic countries will enable an easier form of collaboration for researchers. Instead of moving large amounts of data between countries, the analysis can be carried out where the data is. The Nordic Cloud aims to create a secure and fair share marketplace of services for scientific collaboration within the Nordic countries. The Nordic Cloud will be designed as a coordination and interface point towards European initiatives for federated cloud infrastructure development and deployment.

In the wake of having obtained national funding and established links to related national and European projects, efforts are now underway to refine the project directive and the collaboration agreement between NeIC, CSC, SNIC, DeIC, UNINETT Sigma AS and potentially also RHNet.

A project web page is being set up and will soon be available also on the NeIC wiki.

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Upcoming Projects

• Cognitus

Following the recommendations of the Nordic use of PRACE evaluation, NeIC is setting up a new project to map a scientific case in the Nordic countries.

• Nordic Resource Sharing

This projects aims to guarantee “that any research funded at the Nordic level which is in justifiable need of joint access to ICT infrastructure, also will be granted such access at a Nordic level” as depicted in the eNORIA Nordic eScience action plan. It is also intended to leverage resource load balancing for the participating national e-infrastructures.

• NeGI Support

Following its strategy document, NeIC is supporting the Nordic e-Science Globalisation initiative with its e-infrastructure needs.

• Pan-Nordic Operational Security and Incident Response Framework

The aim of this project is to contribute to faster incident response and a reduced number of affected sites in case of security incidents. The increased security awareness and improved knowledge exchange will help in the long-term prevention against security threats at Nordic HPC sites.

The Nordic e-Infrastructure Collaboration

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Finished Projects

- **Nordic High Performance Computing (NHPC) evaluation**
- **Nordic use of PRACE evaluation**

The final reports of the Nordic use of PRACE evaluation and the NHPC evaluation are publicly available at: https://wiki.neic.no/wiki/Public_Documents
Together these two evaluations provide the cornerstone for shaping the future HPC strategy in the Nordic countries.

Nordic Research Collaboration

NordForsk is a platform for joint Nordic research and research policy development. The aim is to facilitate cooperation in all fields of research and research-driven innovation when this will add value to activities being conducted in the five Nordic countries, Denmark, Finland, Iceland, Norway and Sweden, including the autonomous areas of the Faroe Islands, Greenland and the Åland Islands. NordForsk carries out assignments from the Nordic Council of Ministers, and provides input based on analysis of the Nordic research and research policy landscape. NordForsk is governed by a Board composed of its main stakeholders: the national research funding agencies in the Nordic countries, higher education institutions and industry.

NeIC facilitates the development of advanced IT tools and services in areas of importance to Nordic researchers.

NeIC supports the Nordic research community by:

- Supporting collaboration on e-Infrastructure in the Nordic region.
- Providing added value to researchers and national funders.
- Contributing to more cost-efficient development and deployment of e-Infrastructure services.
- Supporting the national e-Infrastructure providers in terms of competence building, task sharing and joint operation of services.