

NordForsk is an organisation under the Nordic Council of Ministers that provides funding for Nordic research cooperation as well as advice and input on Nordic research policy. The organisation plays a key role in enhancing the value of existing research activities in the five Nordic countries, Finland, Sweden, Norway, Denmark and Iceland, as well as the autonomous territories of the Faroe Islands, Greenland and the Aaland Islands. NordForsk has a basic allocation of NOK 123 million in 2016. The organisation's head office is located in central Oslo. For further information, see [www.nordforsk.org](http://www.nordforsk.org).

## **The Nordic e-Infrastructure Collaboration (NeIC) is seeking:**

### **- NeIC Storage Specialist**

NordForsk is coordinating and hosting the Nordic e-Infrastructure Collaboration (NeIC) from January 2012. The organisation is financed by or via the national research agencies and NordForsk. NeIC is governed by national e-infrastructure organisations, the primary users being Nordic elite research teams. In 2016, NeIC has an annual budget of 3 million Euros which covers a director and a staff of 50 persons dispersed within the Nordic countries.

[www.neic.nordforsk.org](http://www.neic.nordforsk.org)

NeIC enhances the productivity of researchers in the Nordic region beyond national efforts through new services, pooling competencies and sharing the resources of national e-infrastructure providers.

The core activities of NeIC include:

- Operating a high-quality and sustainable Nordic Tier-1 Service within the WLCG.
- Developing services for the shared use of sensitive data across the Nordic countries.
- Developing a Nordic federated cloud service driven by the needs of the Nordic researchers.
- Supporting researchers in accessing a range of computational resources within the Nordics by improving resource utilization and user access to a wider range of national systems.
- Establishing software development e-infrastructure, which is coupled with necessary technical expertise and extensive training activities to address the growing needs of the computational communities.
- Proposing solutions for the EISCAT\_3D computing, storage and archive.
- Engaging with communities to elicit opportunities for new collaborations on common computing or data services.

NeIC is looking for a Storage Specialist to strengthen the Nordic Tier-1 team. As member of a dynamic virtual team you will have a variety of challenging tasks and involve extensive contact with research groups and specialist communities in the Nordic countries and internationally.

You are an excellent software developer skilled in Java programming with merits that include experience and interest in topics such as

- Distributed systems (zookeeper, message passing),
- Network data access protocols and frameworks (Jetty, Netty, etc.),
- Databases (Postgresql or other),
- Patch reviewing for complex codebases,
- Refurbishment of old components to improve stability and support new development,
- Identifying useful best practices in Java software development.

It is expected that the candidate has, or is interested in, permanent employment at a national e-Infrastructure organization in the Nordic countries or one of its collaborating institutions. Candidates must have a good command of English (both written and spoken). Considerable travelling may be required.

The Storage Specialist reports to the Nordic Tier-1 Coordinator. The functions and responsibilities of the Storage Specialist include:

- Taking a full position in the dCache.org development team, developing the dCache software to meet future demands, and taking part in a continuous improvement of the software.
- Working close to operations to support NeIC using dCache as a distributed multi-petabyte storage element serving the LHC experiments.
- Enhancing the storage service offering by the site, by contributing to the deployment of new features and improvements.
- Taking part in the conversation on how to serve the needs of the LHC experiments in the future of the world-wide LHC computing grid.

The Storage Specialist is expected to commit up to 100% of his/her time to NeIC through a three-year (renewable) service contract, any remaining time being committed to his/her home institution.

Questions may be directed to Mattias Wadenstein, NT1 Coordinator, tel. +46 707969462, email [maswan@ndgf.org](mailto:maswan@ndgf.org) or to Gudmund Høst, Director of NeIC, tel. +47 9581684. Applications including CV should be submitted to [gudmund.host@nordforsk.org](mailto:gudmund.host@nordforsk.org) within October 20<sup>th</sup>, 2016.