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NeIC Tryggve - cross-border services for human data

Research in biomedical sciences aims ultimately at curing diseases and improving quality of life. Successful research on the field requires the use of human data of various types and from various sources. However, working with human data requires added security measures to ensure privacy protection for the research subjects. Nordic e-Infrastructure Collaboration NeIC and the ELIXIR nodes in four Nordic countries (DK, FI, NO, SE) have done long-standing collaboration to develop secure IT infrastructure in order to support cross-border collaborative research utilizing human data in the Nordic countries.

The NeIC Tryggve project is focusing currently on three areas: federated archiving of sensitive data, computation with sensitive data across secure platforms, and implementation of use cases. The federated archiving of sensitive includes technological development for Federated EGA activity. In the computation across platform, the vision is to create a Nordic secure platform where each node can send and accept workflows across Tryggve sites, under strict security and utilising standard workflow execution frameworks. The use cases are driving the development and highlight several of the developments mentioned above.

The available secure computing environments in the participating countries provide both remote desktops or infrastructure level access to the resources. The Tryggve project gives support in accessing these systems and additionally develops tools and legal framework that make their joint utilization easier for transnational research teams. The outcomes of the project are available from the project's web site https://neic.no/tryggve.

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