

Building and maintaining services for Sensitive Data



Building and maintaining services for Sensitive Data



Speaker [Gard Thomassen](#)

Track

Session [Workshop: Center Operations best practices](#)

Description Since 2009 the University Center for Information Technology (USIT) at the University of Oslo (UiO) has seen an increased demand for services for sensitive data. This is mostly data covered by the Personal Data Act §2, point 8 (religion, sex, health, union membership and prosecutions). The increased usage of video, MR--? imaging and DNA--? sequencing of humans has created an incredible need for storage and computing resources for sensitive data, by far exceeding the available resources of the classic "single offline computer dedicated to sensitive data". To meet this demand USIT has run a project called Services For Sensitive Data (TSD) since ~2008. This project will by launching version 2.0 be offering virtual servers, storage, high performance computing and data collection within a secure environment in version 2.0. The system is based on hosting virtual research servers behind a FreeBSD 2--?factor authentication gateway. All projects are VLAN separated, and storage is provided by the new 7PB storage resource "Astrastore" at UiO. A dedicated HPC--?resource is currently being installed inside the secure environment to meet the computational needs. To enable secure data harvesting we have enabled PGP encryption of the UiO web--?questionnaire "Nettskjema". Further, to enable time--?point studies and to identify respondents correctly we have an option of using the governmental ID--?portal. As login to the web--?questionnaire. USIT plan to offer this services to the research communities by summer 2013.



All talks

[A Vision for Nordic e-Infrastructure Collaboration](#)

[A national archive for digital research data](#)

[ATLAS Computing: status and plans](#)

[Advanced User Support in the Swedish National HPC Infrastructure](#)

[BBMRI requirements and use of the e-Infrastructure](#)

[Bioinformatics](#)

[Building and maintaining services for Sensitive Data](#)

[Closing Keynote](#)

[Co-chair for WS Security I](#)

[Co-chair for WS Security II](#)

[Co-chair for WS Security III](#)

[Co-chair for WS Security IV](#)

[Conference conclusions and closing](#)

[Design and implementation of an energy efficient high density data center](#)

[Developing Global Data Infrastructures: Trends and Requirements](#)

[EGI: Going beyond support for WLCG](#)

[EISCAT requirements and use of the e-Infrastructure](#)

[EUDAT - Towards a Collaborative Data Infrastructure - A Nordic Perspective?](#)

[EUDAT: Towards a European Collaborative Data Infrastructure](#)

[Enabling excellent science through High-Performance Computing](#)

[Fido - Providing a secure and convenient gateway to packaged HPC jobs](#)

[From Old-School to New-School Operation of HPC](#)

[Future e-Infrastructure Requirements for the EISCAT facilities](#)

[Kajaani Data Center - case study](#)

[Meteorological Co-operation on Operational NWP \(Numerical weather prediction\) between Sweden and Norway](#)

[NDGF - lessons learned](#)

[NorStore – Managing Digital Research Data in Norway](#)

[Nordic Contributions to Developing a European Digital Services Infrastructure for Social Sciences and Humanities](#)

[Nordic Opportunities for Cloud Software Collaboration](#)

[Nordic Opportunities for Digital Humanities](#)

[Nordic Storage Opportunities](#)

[Official opening](#)

[Panel discussion](#)

[Panel discussion](#)

[Panel discussion](#)

[Panel discussion](#)

[Plans for the Large Hadron Collider](#)

[Reproduce and share: the key to the new generation scientific portal at UiO based on the Galaxy framework](#)

[Research Data Initiatives in Sweden](#)

[ScalaLife Competence Center - Providing tailored made support to the computational Life Science communities](#)

[Science Gateways and their enabling technologies from EGI and SCI-BUS](#)

[Science Gateways in climate research](#)

[TTA – National Research Data Project in Finland](#)

[The energy cost of compressing sparse matrices for performance](#)

[Tidying up the Basement: A Tale of Large-Scale Parsing on National eInfrastructure](#)

[Towards the clouds, together. Collaboration on cloud services in research and education](#)

[WS Analysis and Actions](#)

[Welcome](#)

[Welcome from NTNU](#)

[What business are we in? Data-centric research, service requirements and national responses](#)

[Ws Introduction to IaaS in Life Science in the Nordics](#)

[~okeanos and Synnefo: The public cloud service and the open source software that powers it](#)

