

EOSC Nordic

IMPACT & Results Oct 5th 2022, Tallin

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The European Open Science Cloud Revisiting the questions from the very start of EOSC-Nordic

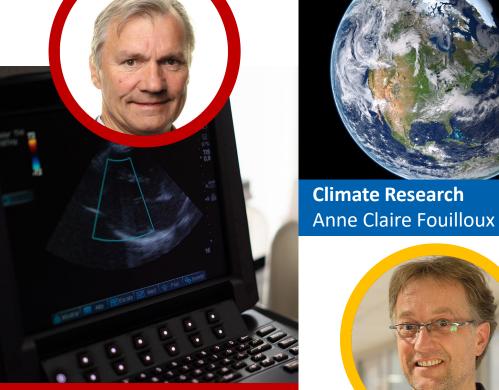


How will EOSC change:

- The way we do science?
- Our legislation?
- Our way of collaboration?
- And ultimately our society?

EOSC PIONEERS





Cardiology Henning Bundgaard



Archaeology Jens-Bjørn Riis Andresen

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Natural Language processing Stephan Oepen



Biodiversity Matthias Obst

SENSITIVE DATA AND ORCHESTRATION

PILOTING AN ORCHESTRATION MECHANISM FOR PRECISION MEDICINE

PILOT THE PROVISIONING OF A SECURE NORDIC INFRASTRUCTURE FOR SENSITIVE DATA

DATA CUSTODIAN

Sensitive cardiology data accesible for analysis, but doesn't leave the country

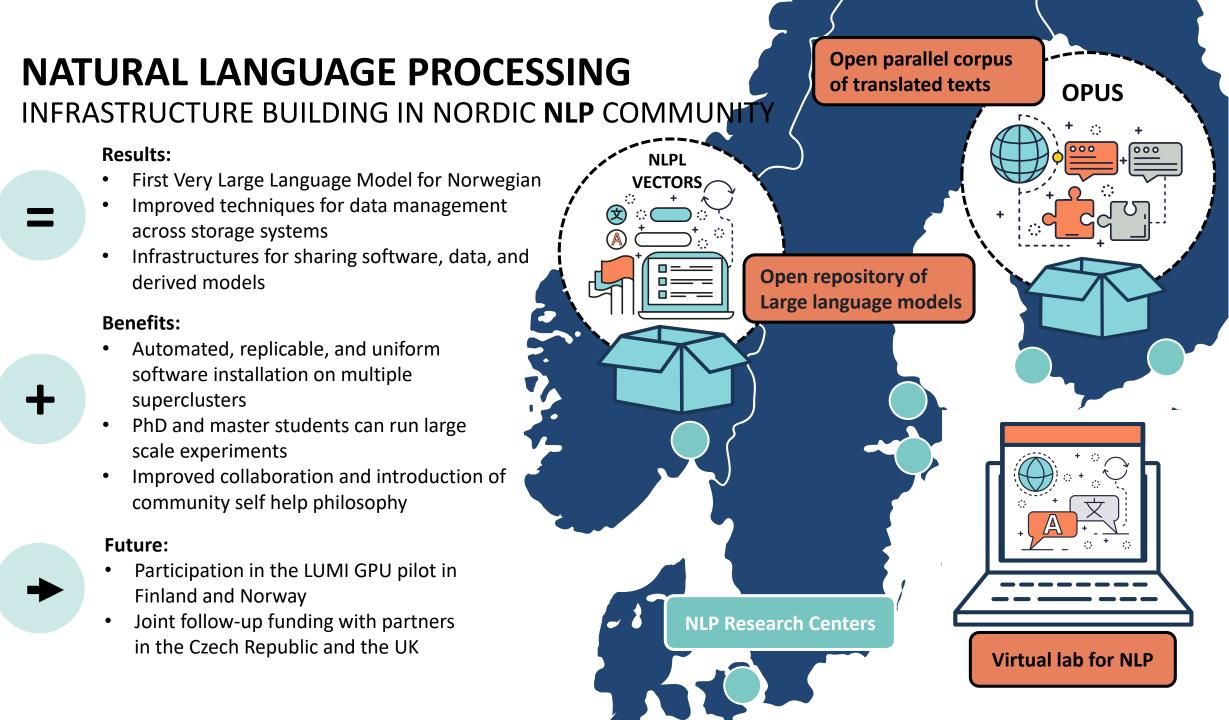
National secure server

Performing data anaysis workflows on sensitive cardiology data across borders by orchestration

National secure servers

Analysing sensitive data without moving data away from the custodian.

National secure server



NORDIC ARCHAEOLOGY DATA SEARCHABLE ACROSS COUNTRIES

Results:

- Metadata harvested via OAI-PMH and ArcGIS API
- Mapping of terminology
 Danish Norwegian English

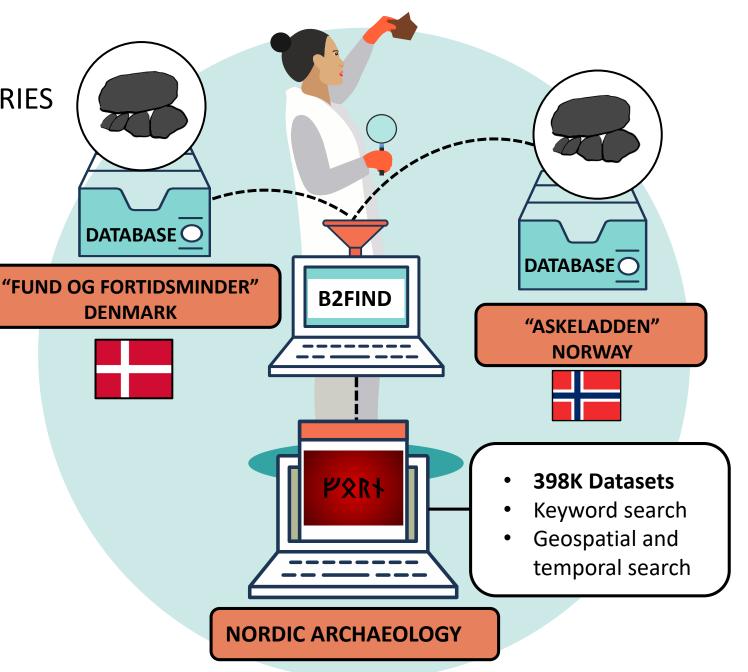
Benefits:

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- Archaeological data searchable across national databases
- Data also searchable with other data types like climate or biodiversity data

Future:

- Inclusion of other Nordic Archaeological databases
- Predictive modelling



MARINE BIODIVERSITY

DATA MANAGEMENT AND CROSS-BORDER DATA ANALYSIS

Results:

- Successful test of platform for connecting and analysing marine genetic data across countries
- Improved data management

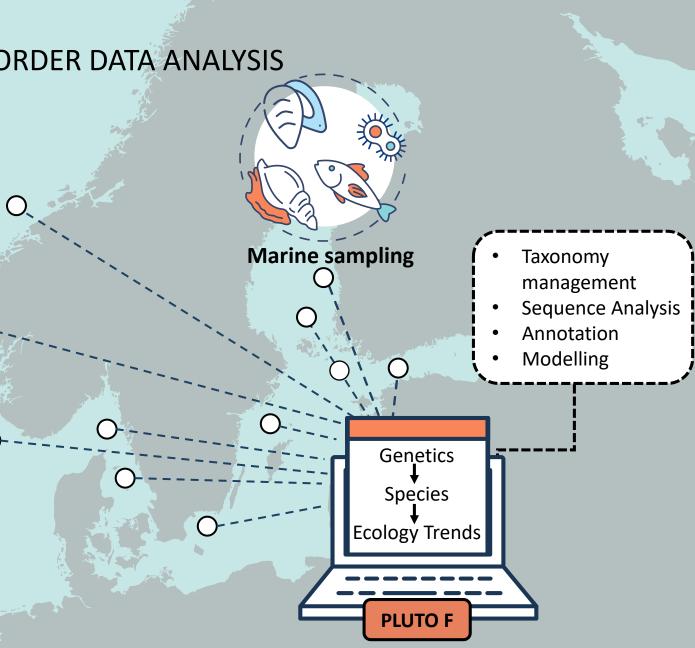


Benefits:

- Better early warning system for invasive species
- Easier to spot Biodiversity patterns/trends

Future:

- Connecting to climate data for predictive modelling
- More European marine users on PlutoF



EOSC Nordic Key Results



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 New Services & tools facilitating i) the integration with the EOSC Future catalogue, ii) FAIR assessment & iii) EOSC knowledge uptake



 Increased FAIR uptake in the region (FAIR score increased for 98 repositories & over 300 data stewards trained)



EOSC alignment & discussion fora consolidated in the region



Increased Cross country / disciplinary collaboration

Knowledge Hub

Welcome to EOSC-Nordic Knowledge Hub! We invite you to explore our knowledge base.

We have collected all our useful resources and information into this Knowledge Hub. Content and materials are constantly evolving and updating throughout the project. Here's a short description of each section to help you find what you're looking for.



Materials

Key documents of the project (Reports, recommendations & guidelines)





Users and organisations Find out what EOSC-Nordic can offer you, and explore the use cases.



Training Library All sorts of training events and materials

Read more



Services

Read more

The services available and a guidance how to register a service





Support Browse FAQs or send over your request via our Service Desk



Read more



Community

Connect with peers and learn from others in your field



www.eosc-nordic.eu



FAILURE IS HOW RESEARCH ADVANCES

FAILURE

SUCCESS

Finding the biggest gaps and challenges to overcome, has been an important mission of the EOSC Nordic project.

