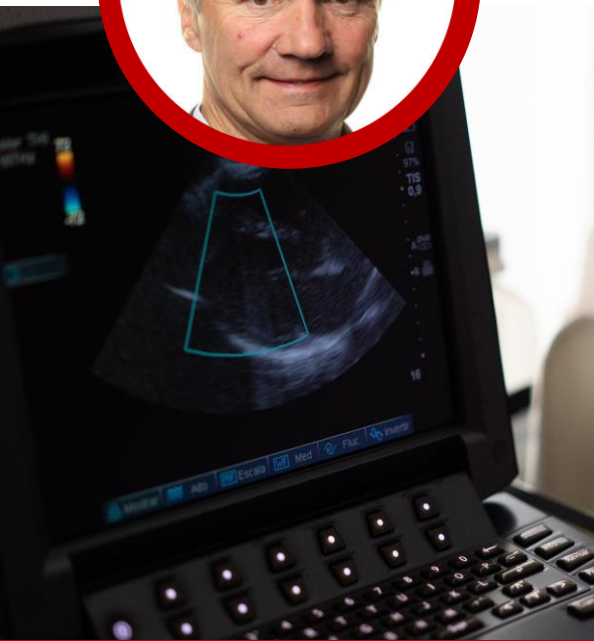


IMPACT & RESULTS

EOSC Symposium 2022

Lene Krøl Andersen
PROJECT MANAGER, EOSC-Nordic
International Liaison, Computerome, Denmark

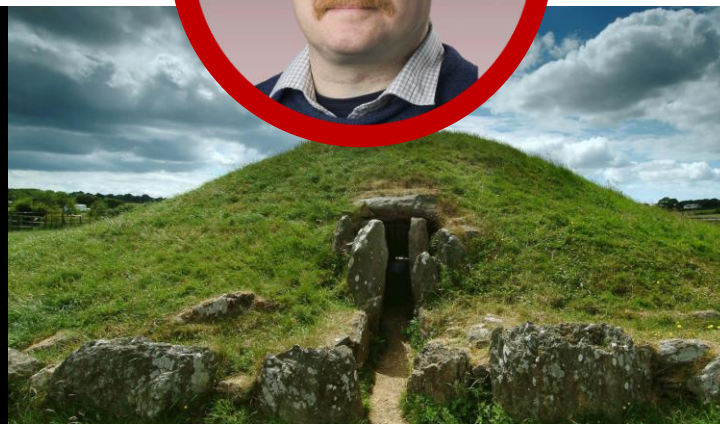
EOSC PIONEERS



Cardiology
Henning Bundgaard



Climate Research
Anne Claire Fouilloux



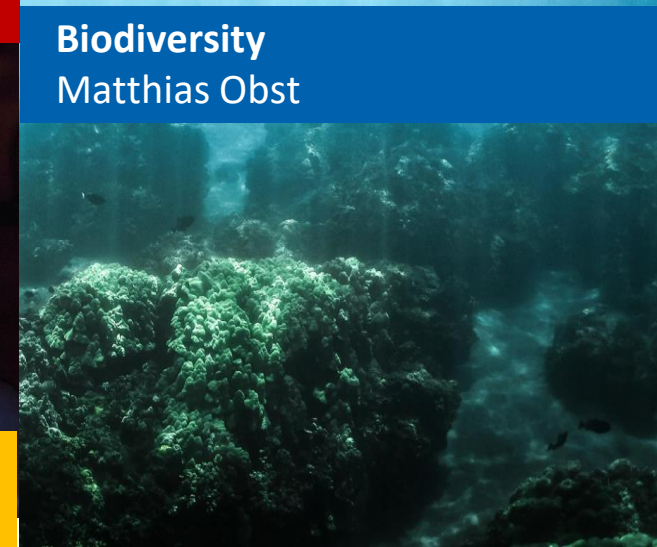
Archaeology
Jens-Bjørn Riis Andresen



Biodiversity
Matthias Obst



Natural Language processing
Stephan Oepen



SENSITIVE DATA AND ORCHESTRATION

PILOTING AN ORCHESTRATION MECHANISM FOR PRECISION MEDICINE

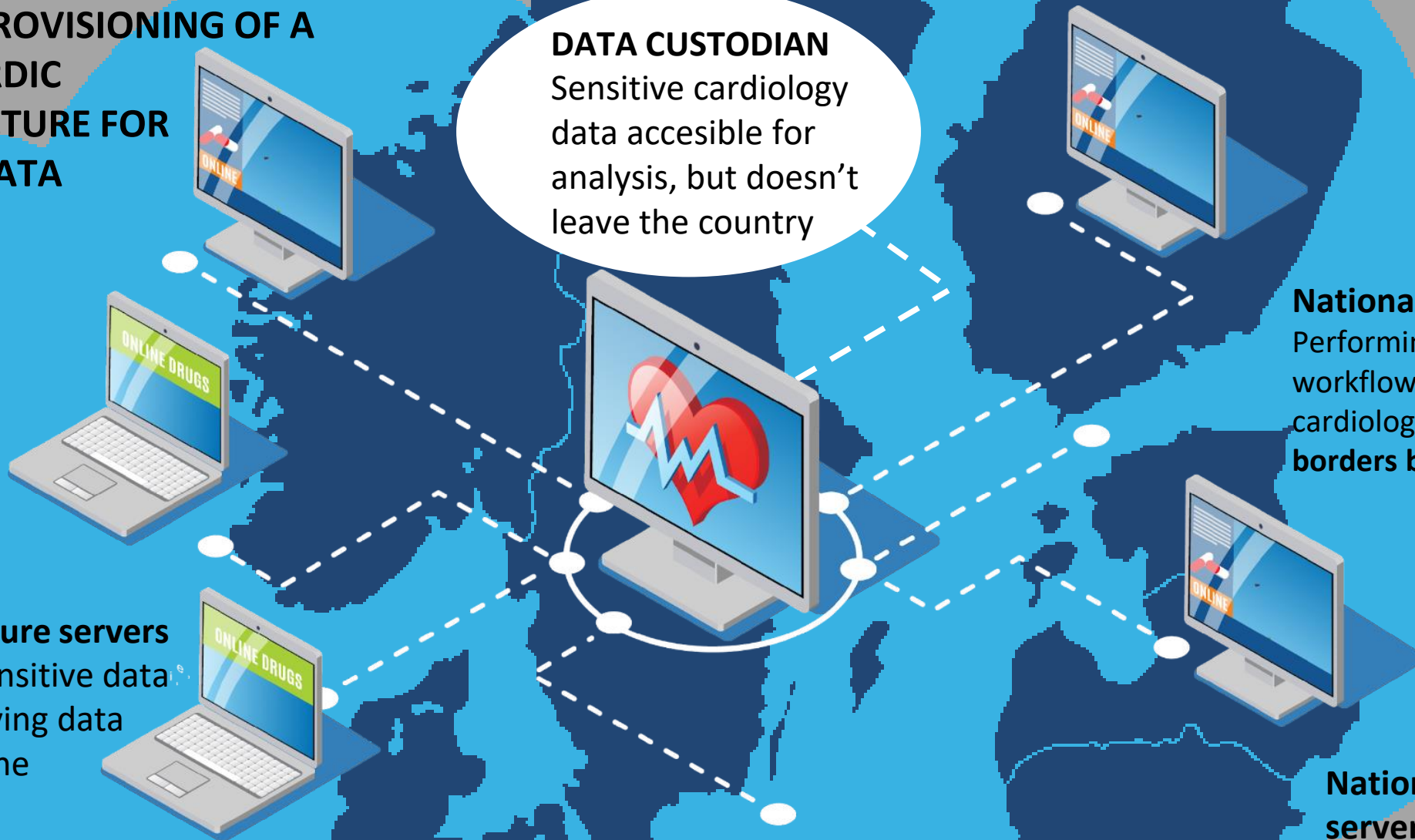
PILOT THE PROVISIONING OF A SECURE NORDIC INFRASTRUCTURE FOR SENSITIVE DATA

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



NATURAL LANGUAGE PROCESSING

INFRASTRUCTURE BUILDING IN NORDIC NLP COMMUNITY

=

Results:

- First Very Large Language Model for Norwegian
- Improved techniques for data management across storage systems
- Infrastructures for sharing software, data, and derived models

+

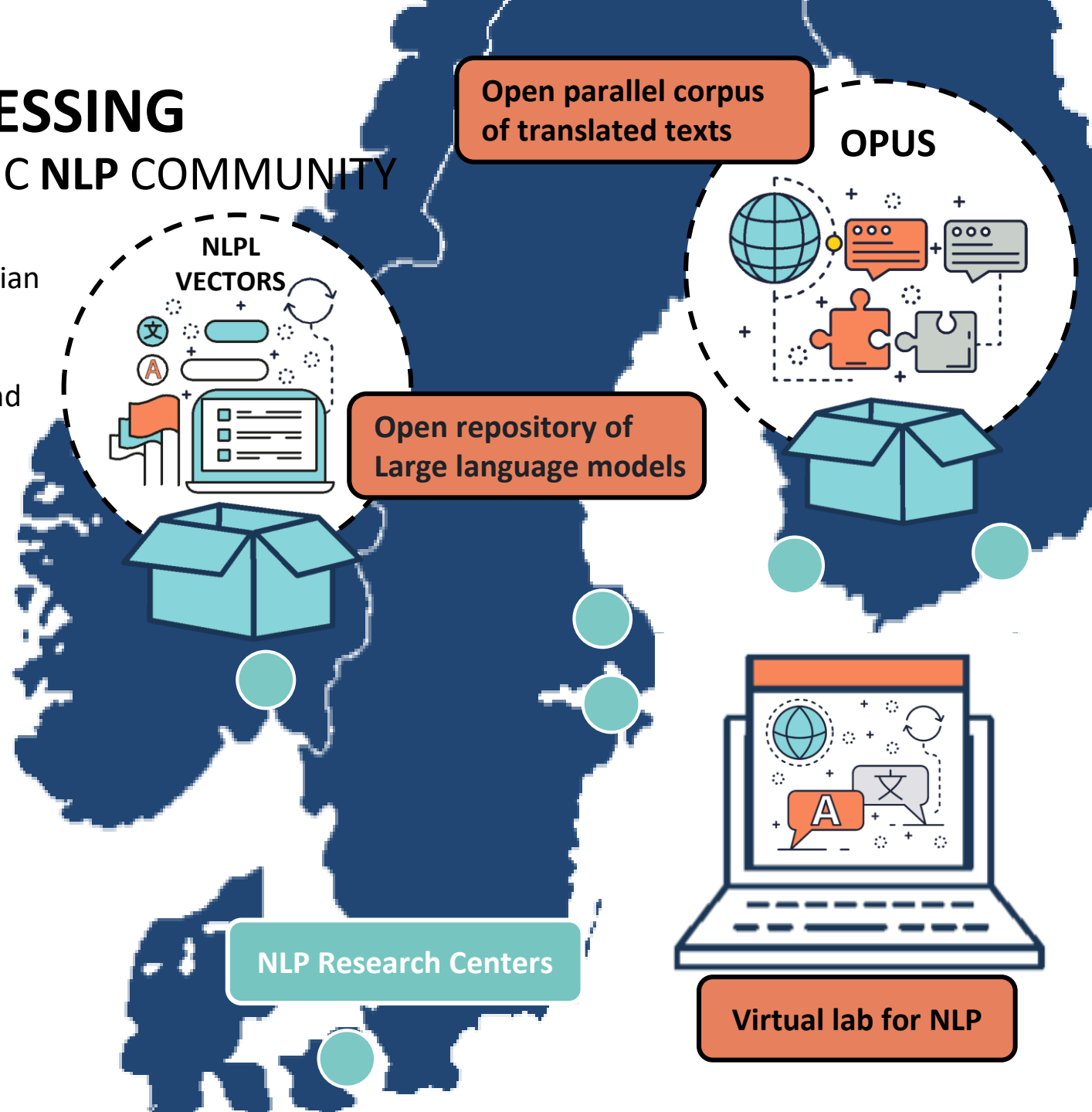
Benefits:

- Automated, replicable, and uniform software installation on multiple superclusters
- PhD and master students can run large scale experiments
- Improved collaboration and introduction of community self help philosophy

➔

Future:

- Participation in the LUMI GPU pilot in Finland and Norway
- Joint follow-up funding with partners in the Czech Republic and the UK



NORDIC ARCHAEOLOGY

DATA SEARCHABLE ACROSS COUNTRIES

=

Results:

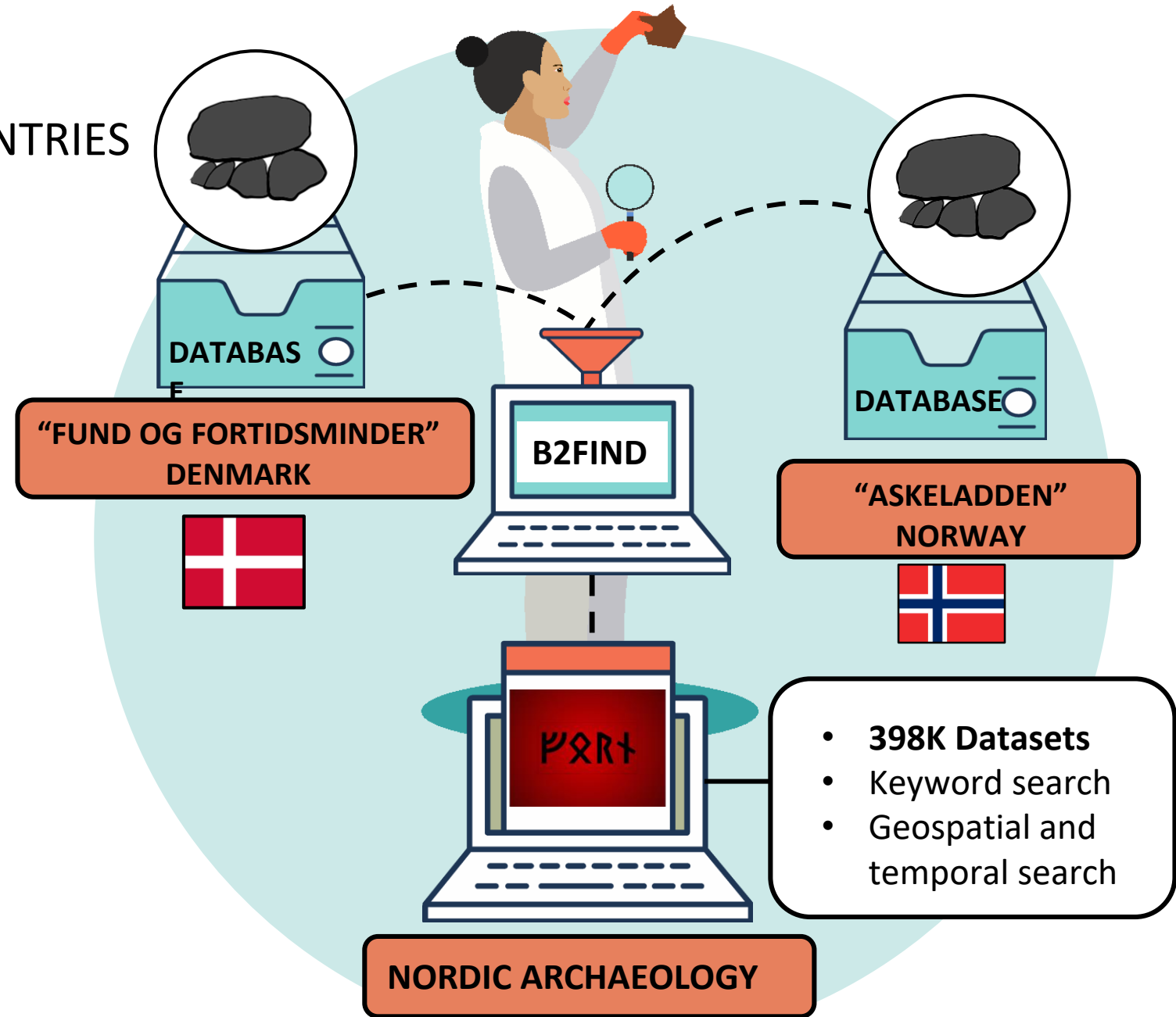
- Metadata harvested via OAI-PMH and ArcGIS API
- Mapping of terminology Danish - Norwegian - English

Benefits:

- 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

+

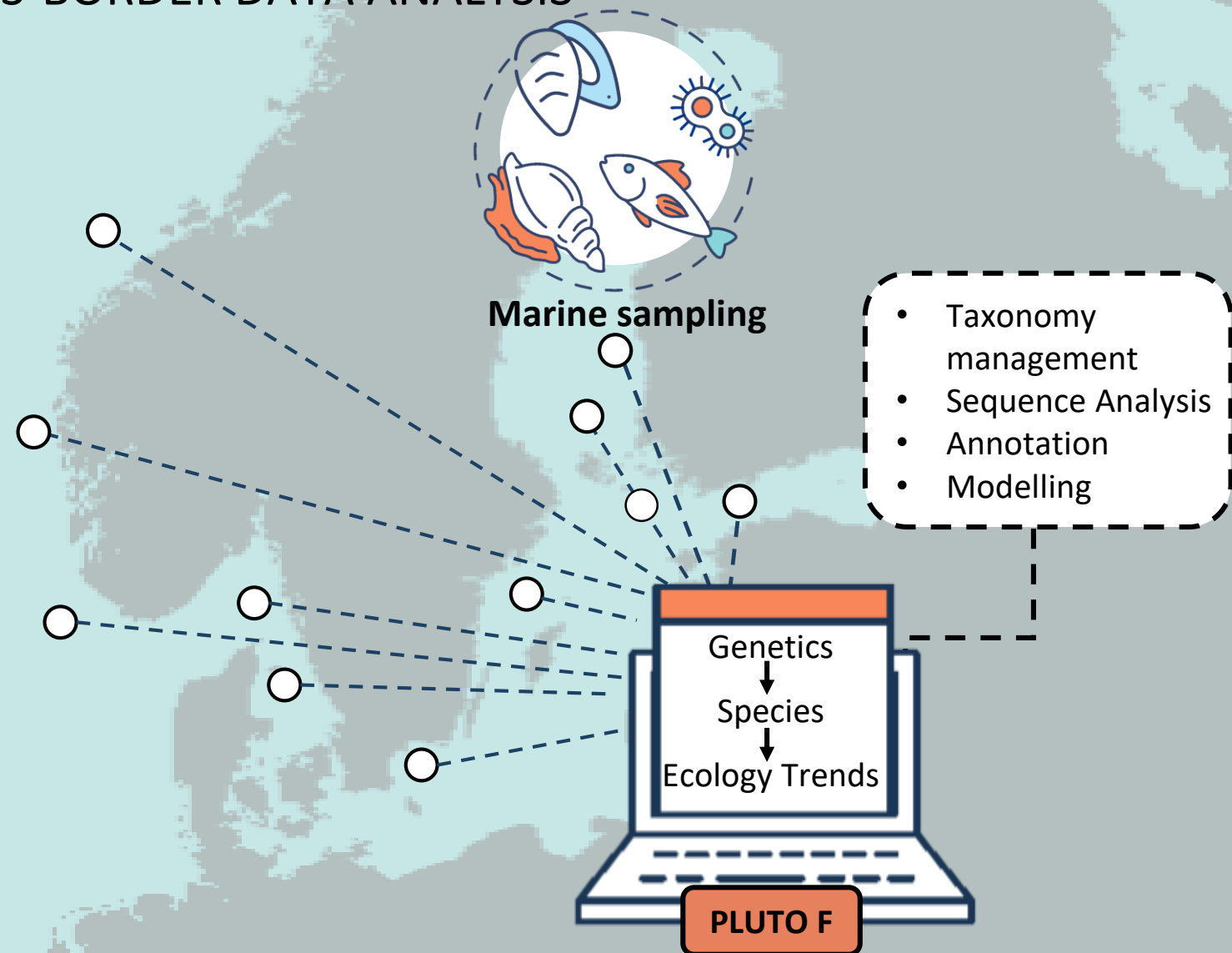
Benefits:

- 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



- 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)

[Read more](#)



Users and organisations

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

[Read more](#)



Training Library

All sorts of training events and materials

[Read more](#)



Services

The services available and a guidance how to register a service

[Read more](#)



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

[Read more](#)