

# Telling stories of convergence

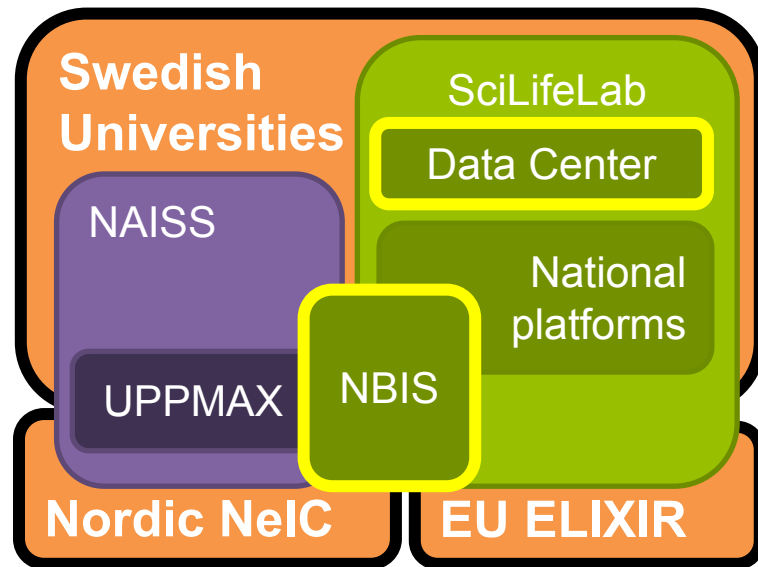
*on shared interoperability practices across infrastructures  
and global data communities in the life sciences*

Wolmar Nyberg Åkerström, Data steward / bioinformatician  
NBIS – National Bioinformatics Infrastructure Sweden

Lightning talk for “The glue to a successful Commons: Interoperability”  
Global research Commons: Europe and beyond (EOSC Future), Gothenburg, Sweden  
20 March 2023



- **NBIS - National Bioinformatics Infrastructure Sweden** has staff at Uppsala University and in 5 other cities
- **ELIXIR Sweden** is a node in a European infrastructure for life science resources
- **Enabling open science** through national, European and global collaborations in Support + Training + Infrastructure
- **Across disciplines** via **RDA** and **EOSC**

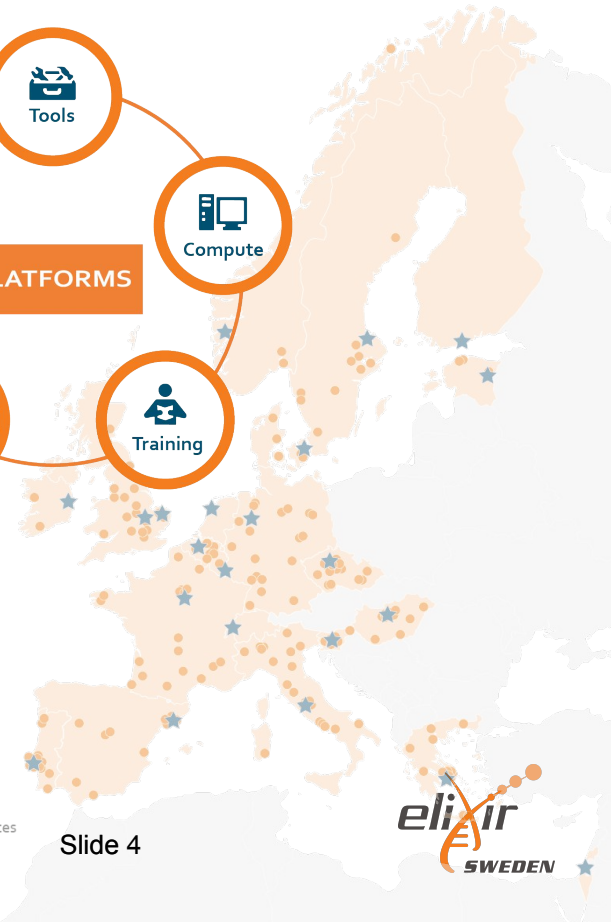
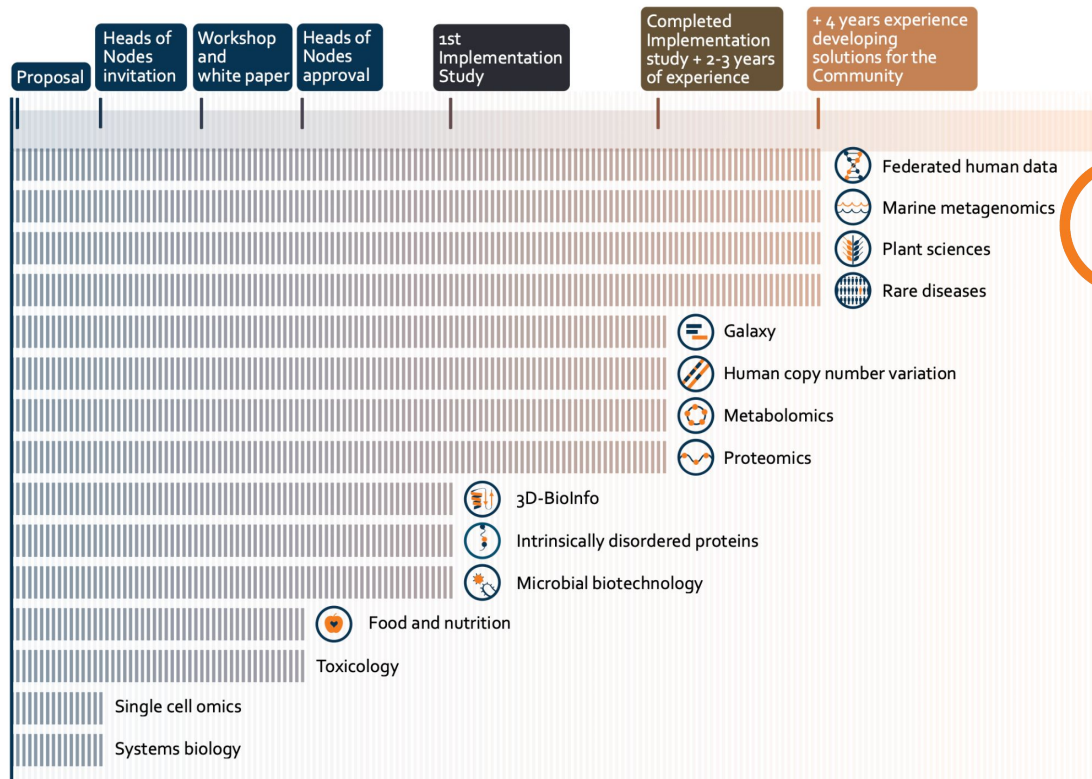




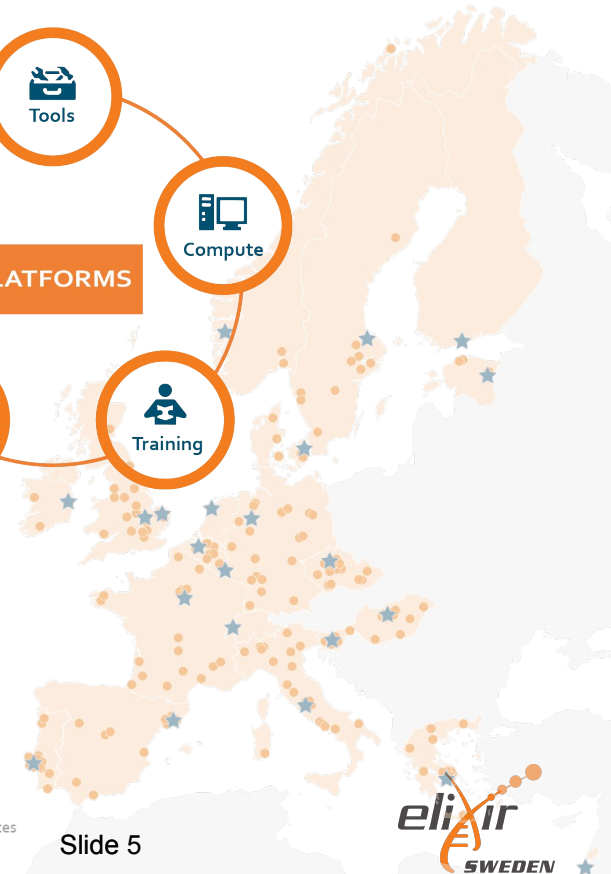
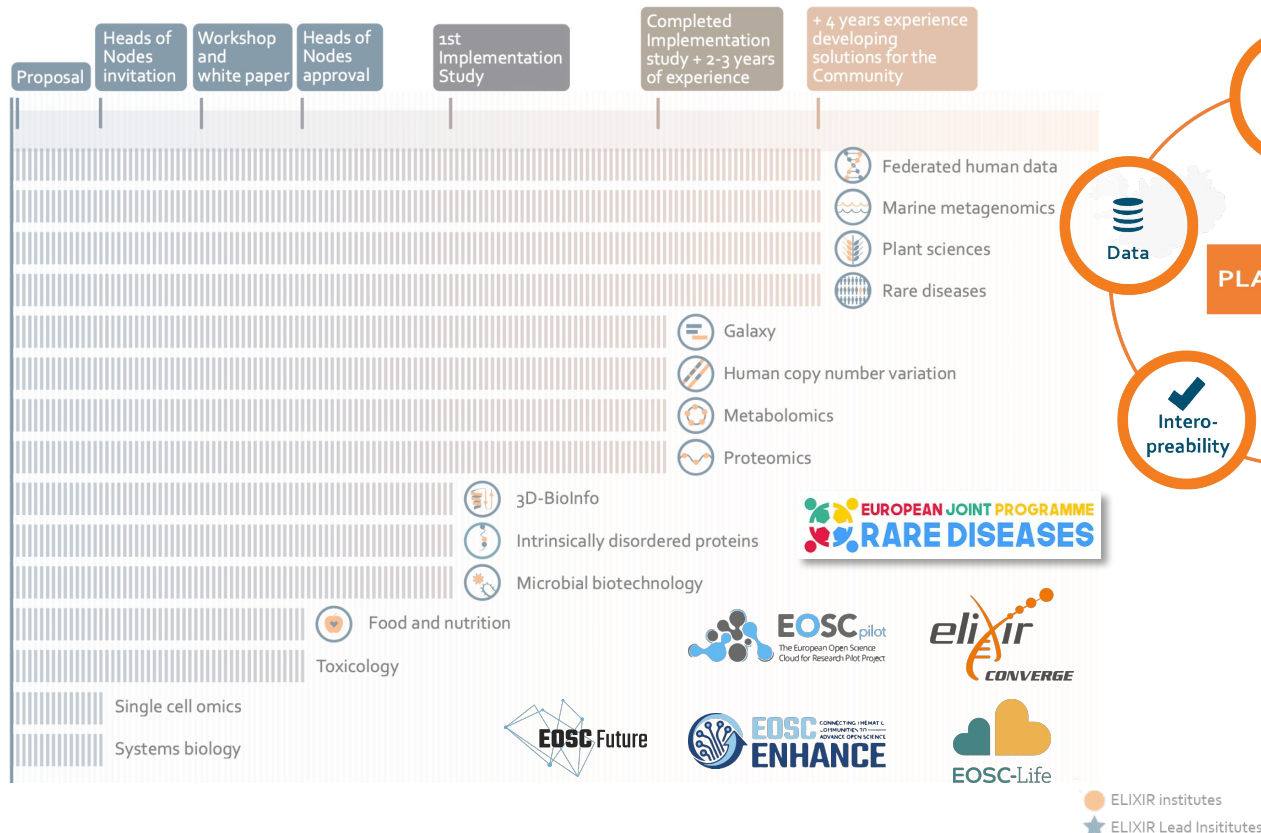
- ELIXIR is a network of 23 national **Nodes** & the **ELIXIR Hub** connecting 245 research institutes
  - 5 **Platforms**
  - 15 **Communities**
  - 10 **Focus groups**
  - **EU projects & internal projects**
- The Nodes collectively run hundreds of bioinformatics **Services**



# A Europe-wide federated infrastructure

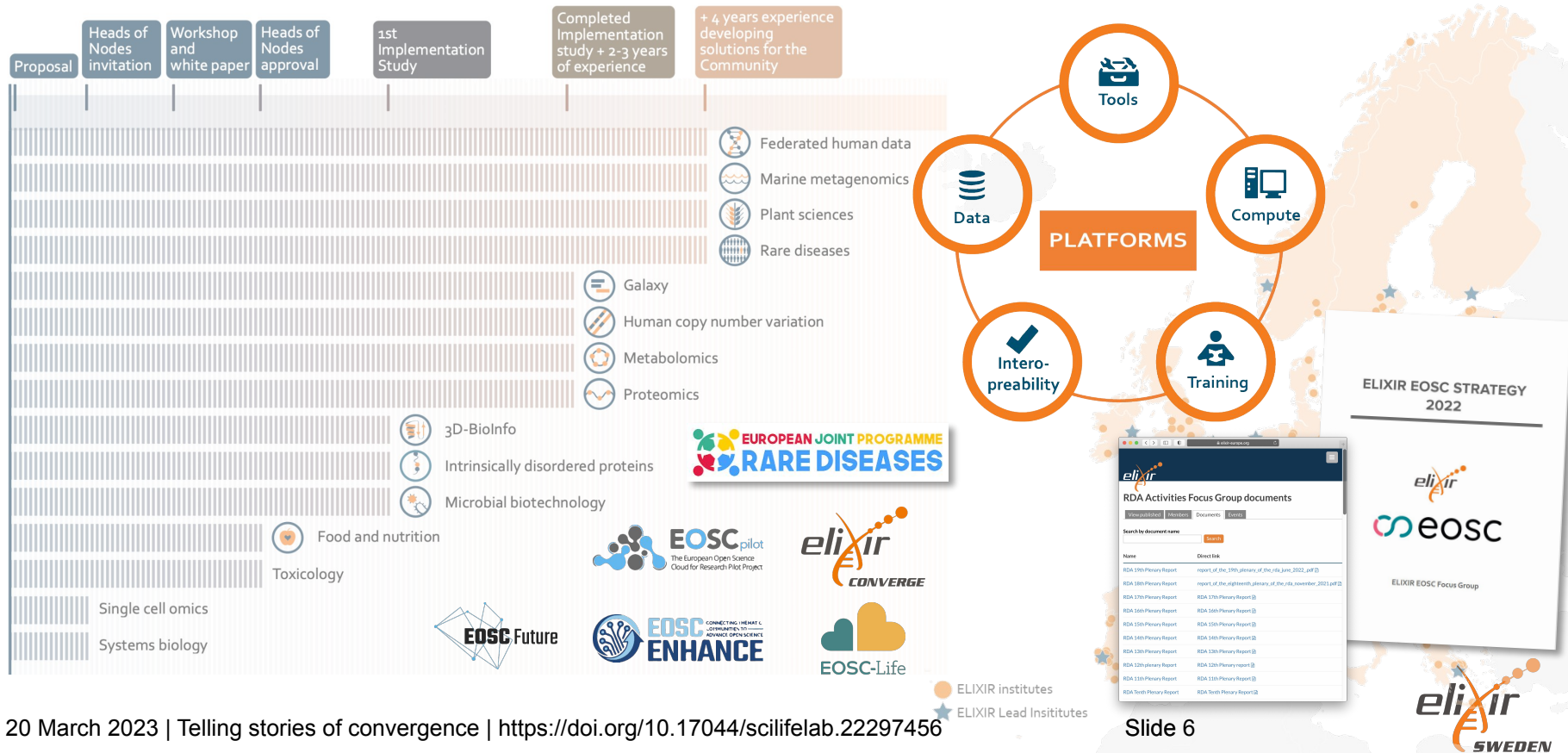


# A Europe-wide federated infrastructure



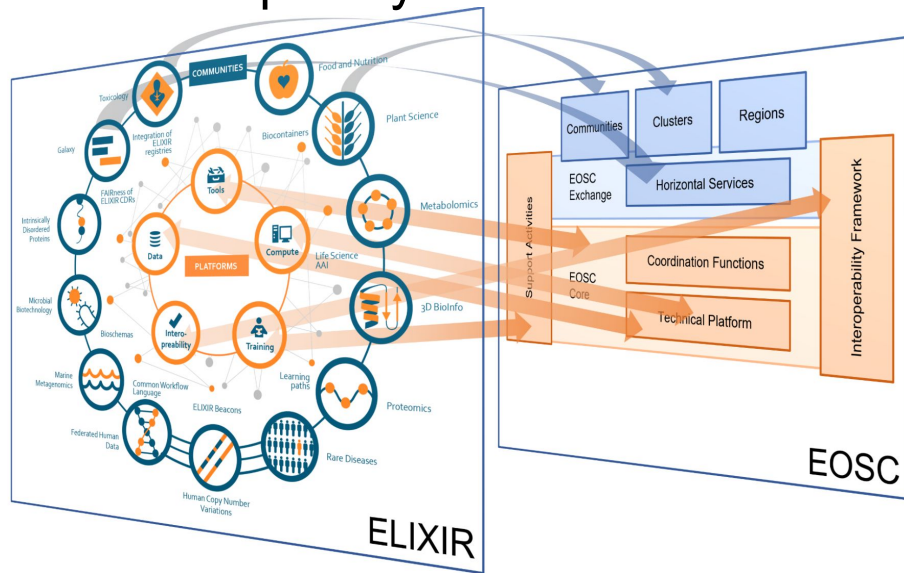


# A Europe-wide federated infrastructure





How to engage regional research infrastructures with cross-border and cross-disciplinary communities?



- ➔ Draft collection of semantic artefacts to support future community guidelines
- ➔ Case studies on adopting and creating semantic artefacts
- ➔ A curated and annotated interoperability case study catalogue

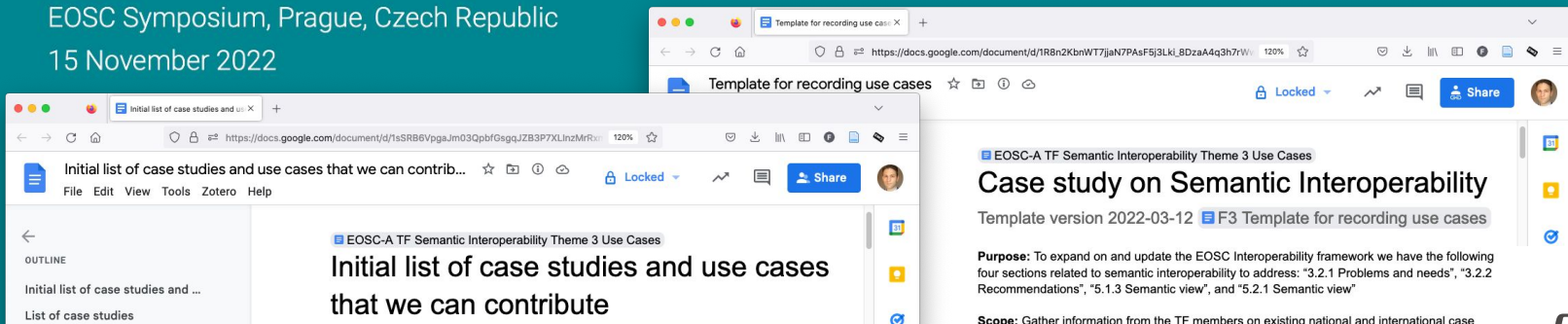
# Case studies and use cases

User journeys as means of effectively demonstrating  
value and engaging stakeholders

Engagement of research communities and service providers in EOSC

EOSC Symposium, Prague, Czech Republic

15 November 2022





## Case studies are real-world scenarios

Actual people and organisations adopting a solution in a specific context and outcomes of their efforts

## Use cases can be business focused

How a stakeholder group can approach adopting a solution to achieve broader goals and outcomes

## Use cases can be task focused

How a user interacts with different services and resources to complete a task

## Conceptual models tie them together

Actors, components and resources involved and how they relate to more general categories



# Research Data Alliance 20<sup>th</sup> Plenary Meeting

Celebrating 10 years of the RDA  
A Decade of Data

**GOTHENBURG, SWEDEN**  
**21-23 March 2023**



**SND**  
Swedish National Data Service



20th RDA Plenary Breakout 2

Data Infrastructures and Envir...

Data Lifecycles - Versioning, P...

FAIR, CARE, TRUST - Adoption...



Infrastructure supporting the FAIR data principles in life science research practice

📅 Tue Mar 21, 2023 ⌚ 4:00 PM - 5:30 PM

Tesla Room

Workshop 24 March | Gothenburg, Sweden & Online via Zoom

# Data-driven life science and the Research Data Alliance (RDA)

Leveraging global data communities in regional initiatives and cross-border infrastructures

[www.scilifelab.se/event/ddls\\_rda2023](http://www.scilifelab.se/event/ddls_rda2023)



Co-located with the  
RDA 20th Plenary Meeting,  
21-23 March 2023





## How to engage regional and European data infrastructure communities with relevant RDA and EOSC communities

What: “This initiative supports and creates synergies around a selection of **five activities**[...]”

See <https://eoscfuture-grants.eu/meet-the-grantees/>

