

# 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

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Presented by Peter Maccallum (ELIXIR)  
on behalf of Wolmar Nyberg Åkerström (ELIXIR Sweden)  
and the EOSC Semantic Interoperability TF



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<https://doi.org/10.17044/scilifelab.21542313>

## Journeys come in many shapes

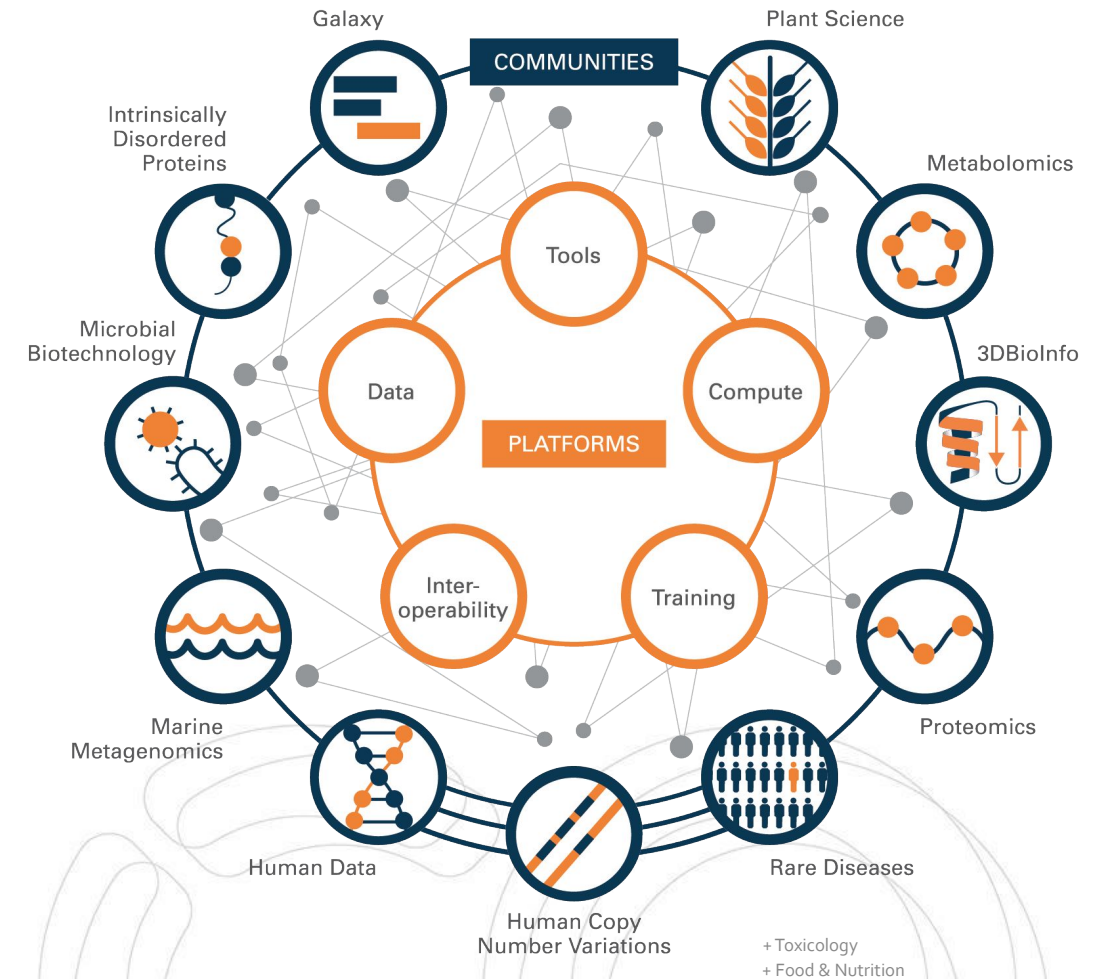
Use cases and case studies can demonstrate value and engage stakeholders in requirements gathering

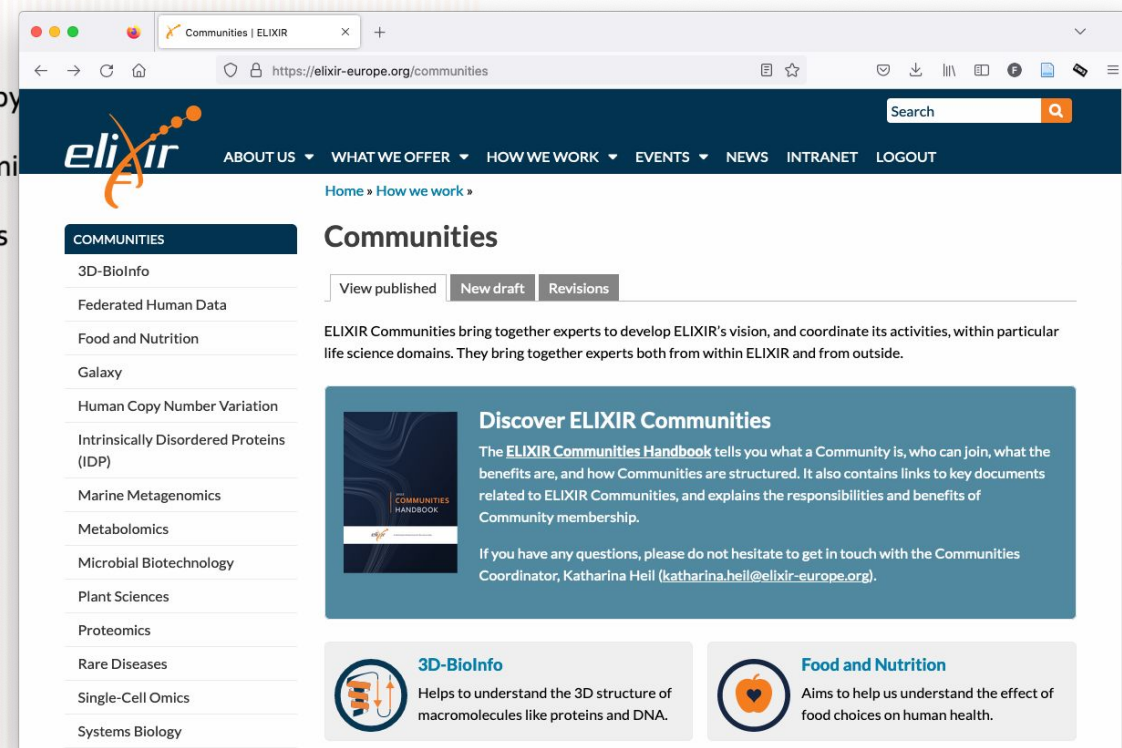
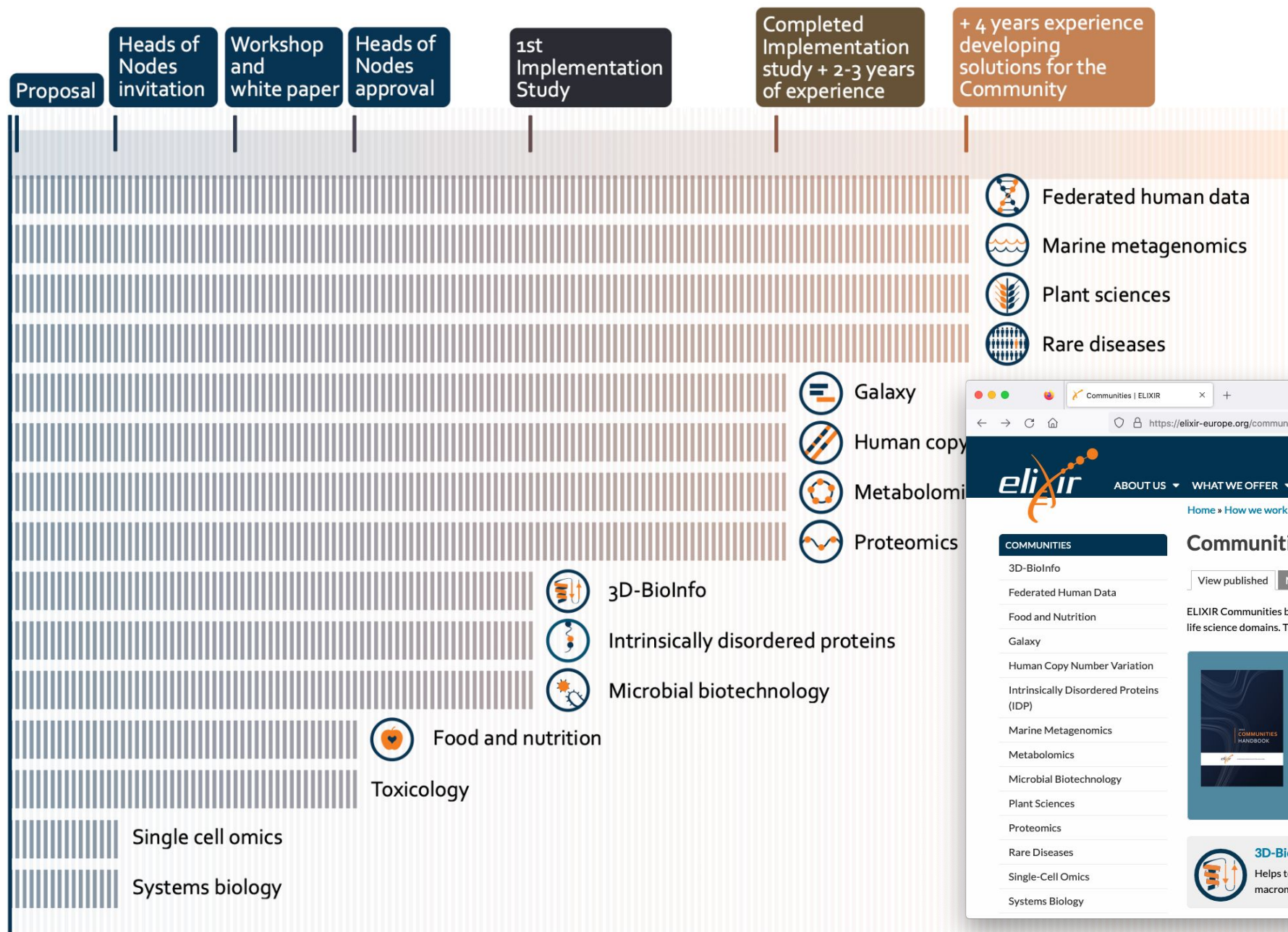
## Use cases and communities

ELIXIR draws on communities to share success stories and define use cases for its services

## Semantic interoperability use cases

Provide 1) input to the initiatives that are shaping EOSC and 2) examples and lessons learned to stakeholders





# A shared vision of the journey

## Use cases demonstrate value

Prevalent in contexts ranging from product sales, to EOSC projects, and healthcare governance

## Adopters recognise themselves

Used in requirements gathering and communication

## Builders can see the full picture

Used in development and validation of services

## Policy can ensure representation

Mapping the landscape of stakeholders and how they are served by different use cases





Community Use Cases | EOSC


https://eosc-portal.eu/eosc-in-practice/use-cases

## Home » Use Cases » Community Use Cases

# Community Use Cases

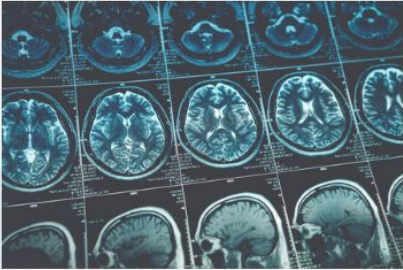
This page provides examples of "EOSC in practice" use cases or success stories that highlight how EOSC services and resources can support the daily work of researchers and innovators. Please scroll down to make the use cases appear.

If you wish to share your EOSC use case, please [fill out the webform](#).




### Run4science.org - Measuring environmental and biodiversity data... while running!

We want citizens to measure their environment by using smartphones. Most of the citizen science initiatives are focused on one topic: it can be air quality, biodiversity.






### Kampal Artificial Intelligence for rare disease diagnosis

In the context of the EOSC-hub project, Kampal Data Solutions is benefitting from storing the healthy and ill patients' registries to a database on EOSC infrastructure.



### Guardomic- bot mitigation engine

Web services owners struggle daily to protect their websites from bot traffic and their users from fraudulent digital ads or cryptocurrency web mining.

BBC | Research & Development

ELIXIR and the life sciences community

https://eosc-portal.eu/elixir-and-life-sciences

## ELIXIR and the life sciences community

[Go to Website](#)

Engineering & Technology

Natural Sciences

### Societal challenges

ELIXIR is an organisation aiming to coordinate, integrate and sustain bioinformatics resources – such as databases, computational services, applications – across its member states and enables users in academia and industry to access what is vital for their research.

The challenge is to unite Europe's leading life science organisations in managing the increasing volume of data generated by publicly-funded research.

### Technical challenges

ELIXIR wants to establish a federation of cloud sites, each providing storage and compute capacity for researchers. An established Competence Centre in EOSC-hub is supporting this activity. The CC team has been supporting ELIXIR to set up a compute platform that allows ELIXIR cloud and data providers to share cloud compute and storage capacity to replicate and share reference datasets with each other and with their users.

### How EOSC can help and add value

The ELIXIR Compute Platform aims to enable researchers to combine technical components of the platform services into a seamless ecosystem, creating a science-ready interface to the key resources and technological capabilities that are available for life sciences.

The ELIXIR Compute Platform has been leveraging the EOSC Service Catalogue, especially in the area of aligning ELIXIR with the EOSC AAI.

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## 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



## Capturing case studies and use cases

Encourage the wider EOSC stakeholder community to contribute interesting and representative examples

## Indexing for adopters and builders

Compare and consolidate across stakeholders, tasks, goals and component of the EOSC IF

## Representing the EOSC community

Identify and fill gaps in the types of organisations, domains and goals captured by the task force





# Task Force Charter

## Semantic Interoperability

### Introduction

EOSC and semantic interoperability  
Challenges to semantic interoperability

### Main aims

#### Objectives

- O1: Explorations into Semantic Interoperability
- O2: Knowledge exchange around Semantic Interoperability
- O3: Recommendations

### Core activities of the Task Force

### Planned duration of the Task Force

### Working methodology

Explorations/Case Studies

Methods

Output

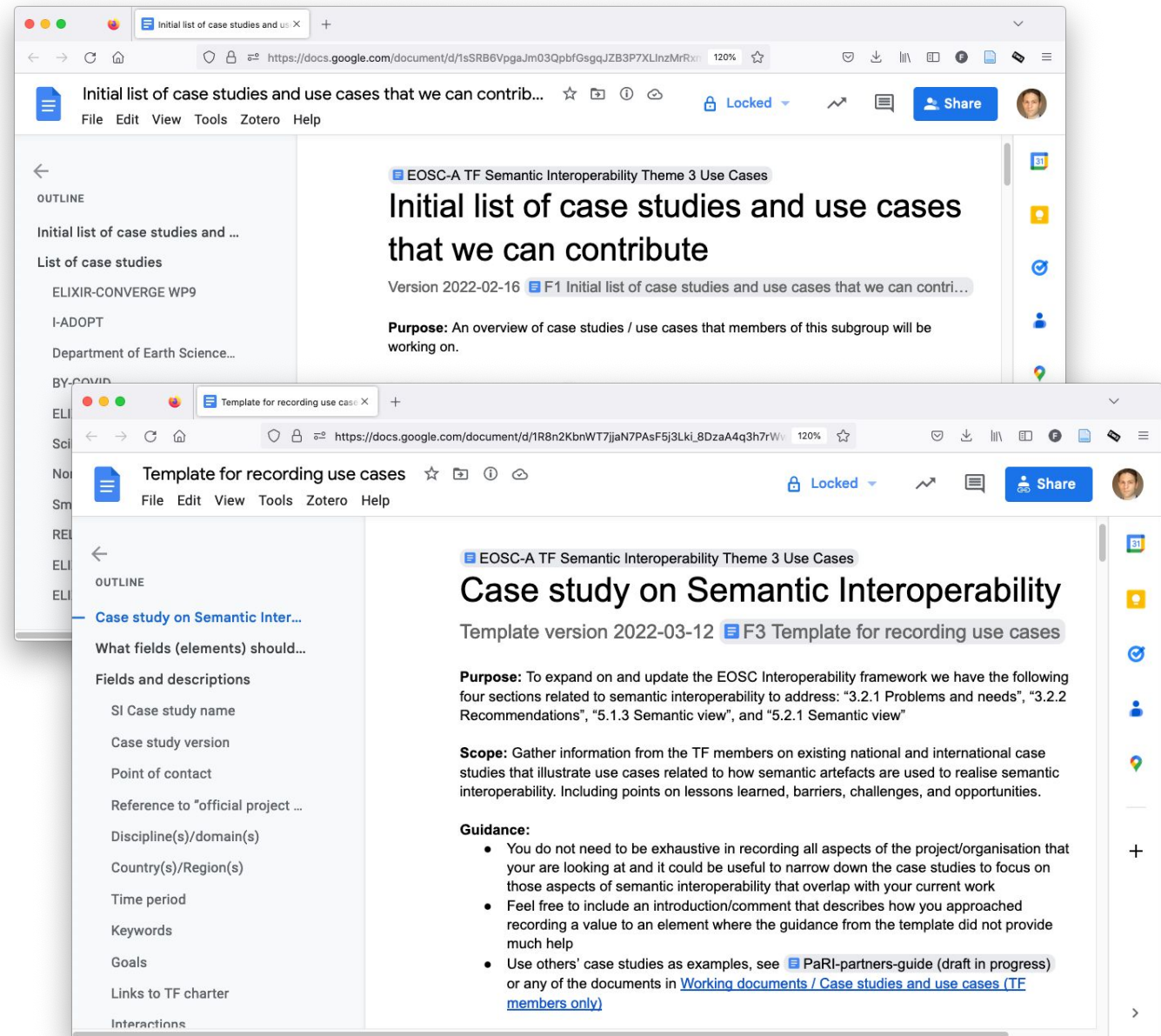
### Dependencies

### Membership

### References

### APPENDIX

Case studies (examples)





## Guide initiatives through journeys

Coordination and steering through the TFs could be better with a shared vision and comprehensive picture

## Host a shared task force catalogue

Keeping accumulated case studies in one place could increase their visibility and avoid redundant efforts

## Promote best practices and resources

Pooling experiences, procedures and skills will help TF members focus on content over process

## Liaise between EOSC projects and TFs

Creating opportunities to communicate can foster further collaboration and synergies



EOSC Association  
AISBL

Rue du Luxembourg 3  
BE-1000 Brussels, Belgium  
+32 2 537 73 18  
info@eosc.eu | www.eosc.eu  
Reg. number: 0755 723 931  
VAT number: BE0755 723 931



**Wolmar Nyberg Åkerström**

EOSC Semantic Interoperability TF  
Data steward, ELIXIR Sweden / NBIS, SciLifeLab  
wolmar.n.akerstrom@uu.se



**Peter Maccallum**

Chief Technical Officer, ELIXIR  
peter.maccallum@elixir-europe.org

