

CESSDA in a nutshell

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cessda.eu



@CESSDA_Data



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CESSDA - Consortium of European Social Science Data Archives

- Is a virtual, distributed pan-European research infrastructure with seat in Bergen, Norway.
- 1 ERIC* of 5 RI in the SSH (1 out of 3 in the Social Sciences of which 2 are surveys: European Social Survey (ESS) & Share (Survey of Health, Ageing and Retirement in Europe))
- Connects 22 countries and their data archiving infrastructures = Service Providers; and supports 12 partner countries across Europe.
- Provides data service to Social Scientists (and beyond) across the whole Research Data Lifecycle with focus on data collection, curation and long term data preservation.

Reaching out beyond the CESSDA community:

- MoU with other European research infrastructures in the Social Sciences and the Humanities (SSHOC).
- Is a member
 - of the EOSC (European Open Science Cloud),
 - RDA (Research Data Alliance),
 - DDI (the Data Documentation Initiative)
 - MoU with CODATA (the Committee on Data) of ISC**.



***European Consortium of Research Infrastructures -**
International Organisation under EC and national laws.

****International Science Council -**
135 member organizations,
40 member unions and associations,
and 30 affiliated members covering all research domains.

CESSDAs Membership

22 European Member States
representatives in the GA






















- » Austria
- » Belgium
- » Croatia
- » Czech Republic
- » Denmark
- » France
- » Finland
- » Germany
- » Greece
- » Hungary
- » Iceland
- » Ireland
- » Italy
- » Netherlands
- » North Macedonia
- » Norway
- » Portugal
- » Serbia
- » Slovakia
- » Slovenia
- » Switzerland
- » Sweden
- » UK

12 Partners

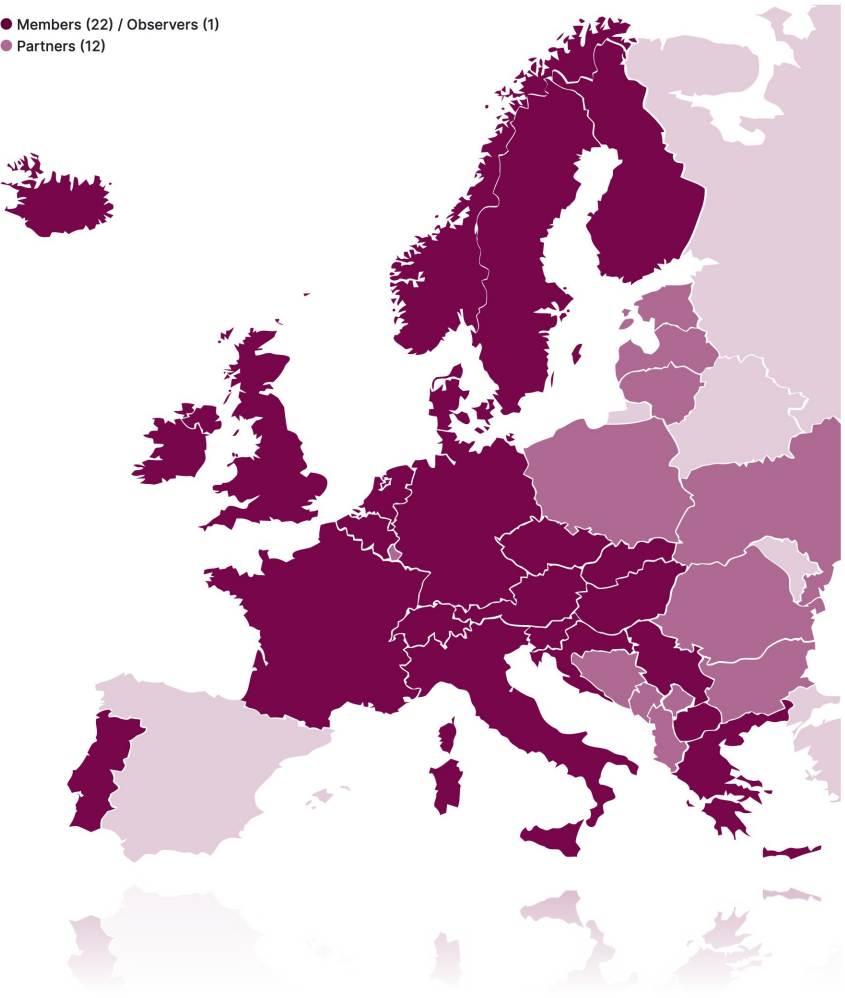
- » Albania
- » Bosnia and Herzegovina
- » Bulgaria
- » Estonia
- » Kosovo
- » Latvia
- » Lithuania
- » Luxembourg
- » Montenegro
- » Poland
- » Romania
- » Ukraine

National Service Providers

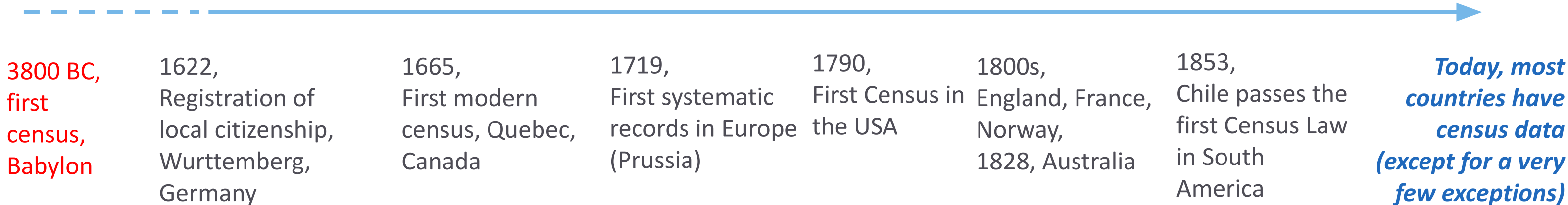
Members

<div>Austria</div> <div>AUSSDA The Austrian Social Science Data Archive</div> <div></div>	<div>Belgium</div> <div>SODHA Social Sciences and Digital Humanities Archive</div> <div></div>	<div>Croatia</div> <div>CROSSDA Croatian Social Science Data Archive</div> <div></div>
<div>Czech Republic</div> <div>CSDA Czech Social Science Data Archive</div> <div></div>	<div>Finland</div> <div>FSD Finnish Social Science Data Archive</div> <div></div>	<div>France</div> <div>PROGEDO PROGEDO Research Infrastructure</div> <div></div>
<div>Germany</div> <div>GESIS Leibniz Institute for the Social Sciences</div> <div></div>	<div>Greece</div> <div>So.Da.Net Greek research infrastructure for the social sciences</div> <div></div>	<div>Hungary</div> <div>TÁRKI The TáRKi Data Archive</div> <div></div>
<div>Iceland</div> <div>DATICE The Icelandic Social Science Data Service</div> <div></div>	<div>Ireland</div> <div>ISSDA Irish Social Science Data Archive</div> <div></div>	<div>Italy</div> <div>DASSI Data Archive Social Sciences Italy</div> <div></div>
<div>Netherlands</div> <div>DANS Data Archiving and Networked Services</div> <div></div>	<div>North Macedonia</div> <div>MK DASS Social Science Data Archive of North Macedonia</div> <div></div>	<div>Norway</div> <div>Sikt Norwegian Agency for Shared Services in Education and Research</div> <div></div>
<div>Portugal</div> <div>APIS Portuguese Social Information Archive</div> <div></div>	<div>Serbia</div> <div>DCS Data Centre Serbia for Social Sciences</div> <div></div>	<div>Slovakia</div> <div>SASD Slovak Archive of Social Data</div> <div></div>
<div>Slovenia</div> <div>ADP Social Science Data Archives</div> <div></div>	<div>Sweden</div> <div>SND Swedish National Data Service</div> <div></div>	<div>Switzerland</div> <div>FORS Swiss Centre of Expertise in the Social Sciences</div> <div></div>
<div>United Kingdom</div> <div>UKDS UK Data Service</div> <div></div>		

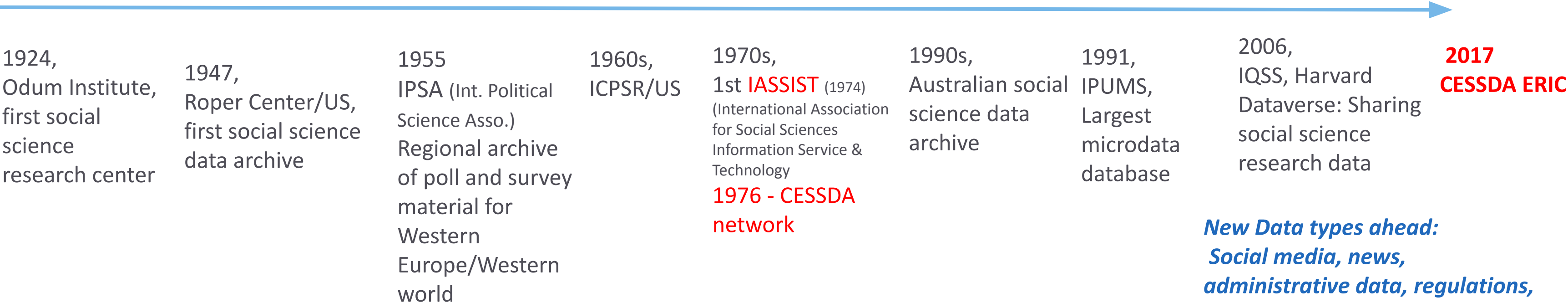
Members (22) / Observers (1)
Partners (12)



Social Science Data – from Census, Surveys, to Big Data



Regional and national census



Surveys, interviews, experimental data

New Data types ahead:
Social media, news,
administrative data, regulations,
companies' data, satellite,
sensors,

The digitalisation of the world

Data

- Becomes more fine-grained, transnational, crosses & blends disciplines
- Social media connects almost half of the entire global population.
- Demand for informed policy decisions - in all policy sectors

New challenges:

- Digital security, mis- and disinformation, AI etc.
- Changes the way human interact, work & produce, vote, communicate...

Requires new or updated types of/digitised research infrastructures



Research Data Management Expertise

CESSDA's Service Providers are specialists in the long-term preservation of data.

- Provide expert **curation** upon deposit
(with good documentation & rich metadata description)
- Ensure that data is deposit in **trustworthy** repositories to ensure data quality & data **sustainability**
- Facilitates researchers **access** to important resources for European social science research regardless of the location of the researcher or data;
- Access methods for **restricted data** (online and physical) for personal and/or sensitive data
 - as open as possible, as secured as needed
- Continuous **data sources intake** from Europe and beyond, into the infrastructure the CESSDA Data Catalogue (CDC)



Provide services that support research

- Develops and coordinates **standards, protocols, policies and guidelines** on data, associated digital objects and metadata;
 - **Standards** are increasingly important in the context of interoperability among the scientific disciplines (e.g., WorldFair Project of CODATA)
 - For SSH one of the important standards is the DDI -
The Data Documentation Initiative - an international standard for describing the data produced by surveys and other observational methods in the social, behavioral, economic, and health sciences.

[Home](#) / [News](#) / CESSDA ERIC and CODATA Unite Forces to Propel Interdisciplinary Research and Data Advancement



CESSDA ERIC and CODATA Unite Forces to Propel Interdisciplinary Research and Data Advancement


Fri 27 Oct 2023


[Salzburg, 27 October, 2023] – The Consortium of European Social Science Data Archives (CESSDA) and the Committee on Data (CODATA) have formalised a strategic partnership through the signing of a Memorandum of Understanding (MoU), underlining their joint commitment to advancing interdisciplinary research and promoting the principles of Findable, Accessible, Interoperable, and Reusable (FAIR) data for Social Sciences and other research disciplines.

Background

The collaborative venture stems from a shared recognition by CODATA and CESSDA that addressing major global challenges necessitates robust and trusted research infrastructures cutting across societal, ecological, and economic domains. Building upon existing affiliations, including CODATA's membership in the DDI Alliance and CESSDA's active participation in European research projects, this MoU is a natural progression in their collaborative journey.

Policies and guidelines open and accessible at CESSDA

 Data Archiving Guide



Start

Introduction

Chapter 1: Data Archives - a Quick Introduction

Chapter 2: Policies of Data Archives

2.1 Data Collection and Data Acquisition Policies

2.2 Preservation Policies

2.3 Curation Policies

2.4 Data Access Policies

2.5 Data Dissemination Policies and Principles

2.6 Sources and further reading

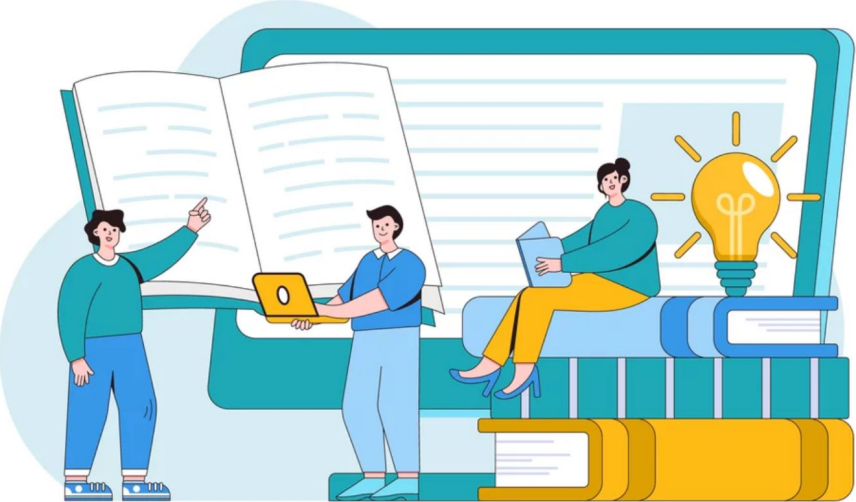
Chapter 3: Pre-ingest - from early contact to data transfer

Chapter 4: Ingest and Curation

Chapter 5: FAIR-enabling and Trustworthy Qualities of Data Archives

About this Guide

2.4 Data Access Policies



CESSDA ERIC Persistent Identifier Policy Best Practice Guidelines


22 November 2017


Version 1.0

<https://doi.org/10.18448/16.0041>

Training

- Provides **training** on best practices in the context of processes of **research data management** for researchers, data stewards and data curators on data archiving for data curators, data stewards.
- Data are used to train social science students (for real life examples)
- Free resources available on our web page


Data Management Expert Guide


cessda

Data Management Expert Guide / 1. Plan / Research data

Search this guide

Search

Data Management Expert Guide

- 1. Plan**
 - Benefits of data management
 - Research data**
 - Data in the social sciences
 - FAIR data
 - European diversity
 - Adapt your DMP: Part 1
 - Sources and further reading
- 2. Organise & Document
- 3. Process
- 4. Store
- 5. Protect
- 6. Archive & Publish
- 7. Discover
- 8. Contributors

« Previous

Next »

Research data

This expert tour guide focuses on research data management. But what is research data?

From a general perspective, research data can be described as *the evidence used to inform or support research conclusions* (University of Sheffield n.d.). The tangible forms this 'material' may take are e.g. "facts, observations, interviews, recordings, measurements, experiments, simulations, and software; numerical, descriptive and visual; raw, cleaned up and processed" (Van Berchum & Grootveld, 2017). This definition combines type, form and research phase from the perspective that all manifestations of research data need to be actively managed to achieve high-quality data that have the potential to be reused. And this is exactly the perspective this tour guide adheres to.

The illustration below - which is based [on the work of the University of Southampton \(2016\)](#) - illustrates the four ways of looking at research data which are also reflected in the definition above.

Training

Learn how to discover, use, manage and preserve research data

Upcoming Events

Wed 15 May 2024 - Tue 2 Sep 2025

EDDI 2024: 16th Annual European DDI User Conference - call for proposals

EDDI 2024 is organized jointly by the Swiss Institute for Information Science (SII), at the Uni...

Wed 11 Sep 2024

From open data to knowledge: enhancing European resilience to health crises

The BY-COVID project is hosting a high-level event entitled "From open data to knowledge: enhan...

Event Calendar

Featured Resources

The Data Management Expert Guide (DMEG) is a comprehensive guide to Research Data Management and FAIR data principles.

Data Management Expert Guide

The Data Archiving Guide (DAG) is designed to provide new employees at social science data archives with a general understanding of the work a data archive performs.

Data Archiving Guide

Training Resources

Browse or search directly below.

Search resources

Go

Resource Topics

- Discovering and using data
- Managing research data
- Preserving data
- Analysing data

Type of data

Research data can be described in many different ways. For example, they can be divided by source or by physical format. The sources of data can, for example, be registers (e.g. administrative, historical, voting results, medical, etc.), existing research data, population group(s) and communications. Physical formats of data include numerical, textual, still image, geospatial, audio, video and software. Regardless of the source and

Webinars

CESSDA Roadshows

COVID-19 - get the latest information

1 Roadshow Introductions

Variable harmonisation

CESSDA Series on Variable Harmonization: An Overview of Concepts and Strategies

Part 1 of 4

Data Advice and Expertise

CESSDA Webinar - Data in Europe

Other Tools and Service along the Data Life Cycle

Tools

CESSDA Digital Tools

CESSDA Data Catalogue



Search tens of thousands of social science research studies from our European Service Providers.

European Question Bank



The EQB is a cross-national question bank for social science and humanities research.

Resource Directory



Access resources for data archives and data professionals from CESSDA, its Service Providers and partners.



New release of **ELSST Thesaurus**: enhancing data discovery within CESSDA and beyond

New release of ELSST Thesaurus: enhancing data discovery within CESSDA and beyond

Vocabulary Service



Search, browse and download controlled vocabularies in a variety of languages.

Metadata Validator



Validate metadata for compatibility with the CESSDA Data Catalogue and the European Question Bank.

Data Management Expert Guide



Data Management Expert Guide (DMEG)

The DMEG is designed by European experts to help social science researchers make their research data Findable, Accessible, Interoperable and Reusable (**FAIR**).

You will be guided by different European experts who are - on a daily basis - busy ensuring long-term access to valuable social science datasets, available for discovery and reuse at one of the [CESSDA social science data archives](#).

You can [download](#) the full DMEG for your personal study offline (DOI: [10.5281/zenodo.3820473](#)). PDFs for every [single chapter](#) are also available for being printed as handouts for training.

See also the pilot [interactive game version](#) of the guide!

<https://www.cessda.eu/Tools/ELSST-Thesaurus>

CESSDA Strategy 2023 - 2027

DATA

Goal 1

Enable Data Discovery

Goal 2

*Working on the Interoperability
of Services*

PEOPLE

Goal 3

*Facilitate Mutual Exchange
among CESSDA's Service
Providers and Support within
their National Landscape*

Goal 4

*Reach Out to the SSH
Researcher at National,
European and Global Level*

LANDSCAPE

Goal 5

*Establishing Strategic
Partnership with ERA Actors*

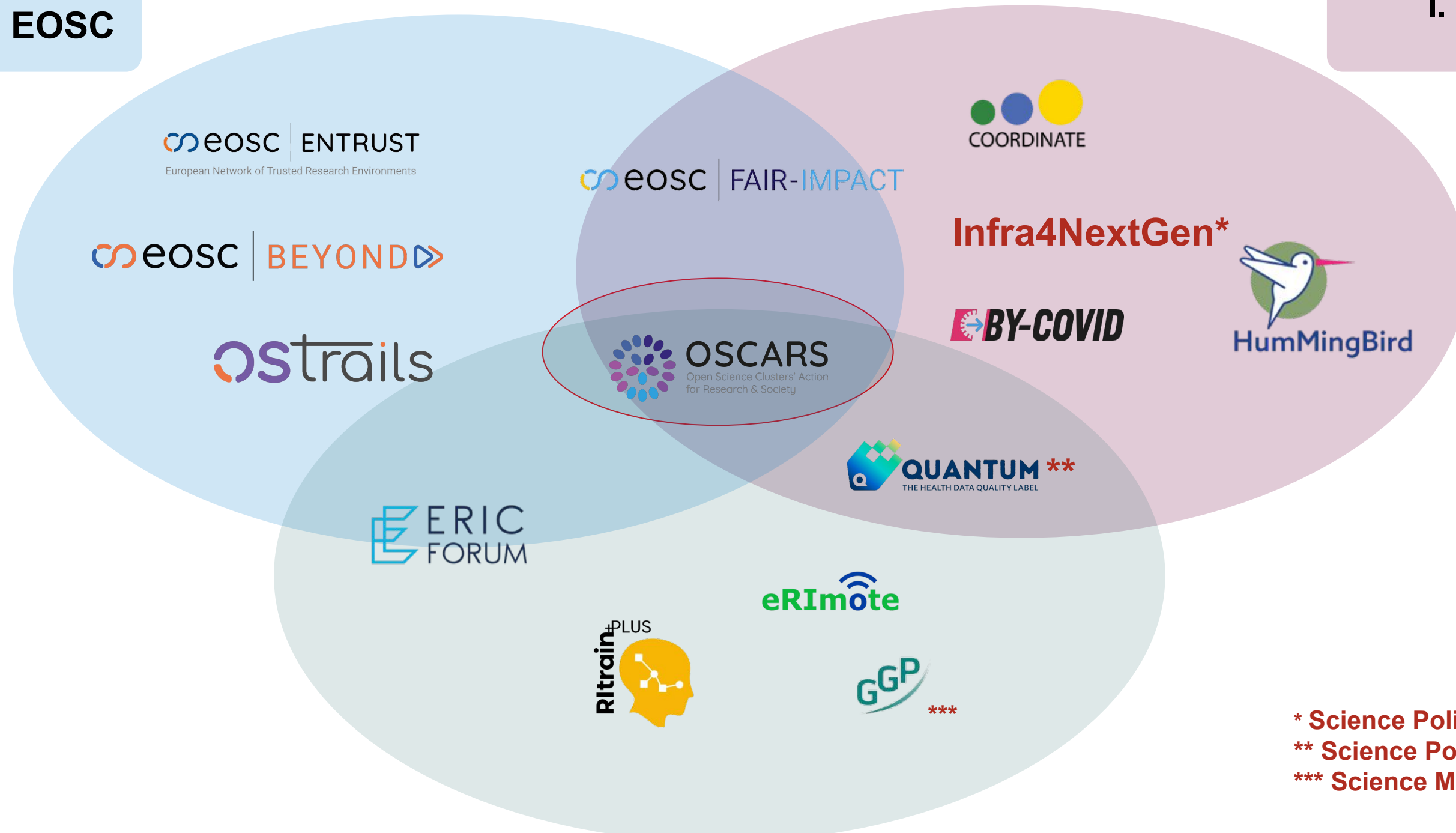
Goal 6

*Establishing Strategic
Partnership for the Benefit of
Society*

CESSDA's Strategic EC projects (2024) - Example of Outreach & Impacts

III. CESSDA and EOSC

I. CESSDA and Researchers



* Science Policy Advice (ESS)
** Science Policy & Data Quality Advice
*** Science Management Advice

II. CESSDA and the Research Infrastructure Landscape

CESSDA Members at the EU Parliament

'Future migration to Europe'

26-27 April 2023 in Brussels (at EU Parliament)

- A call to all partners was made in Brussels to deposit datasets
- CESSDA deals with data management in the project
- EKKE (Greece) will store and curate all the migration data collected
- IEN (Serbia) conducted field interviews with migrants



Co-organisers:

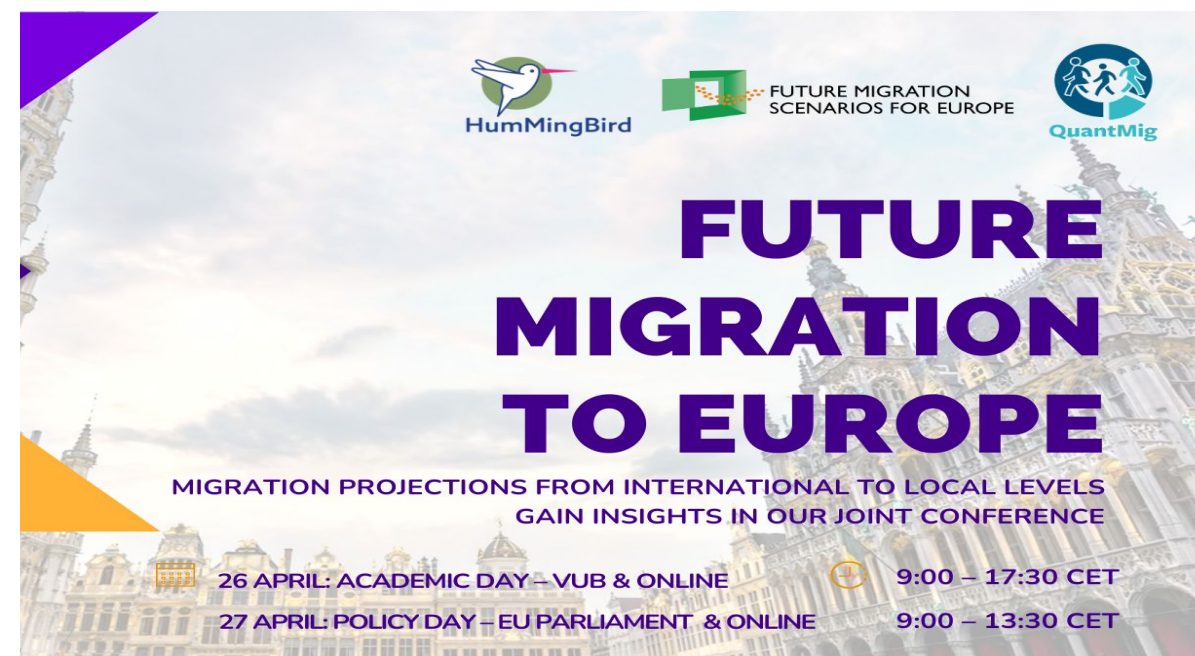
HumMingBird project

Future Migration Scenarios for Europe project

QuantMig project

European Parliament

European Commission



A high-level workshop on remote access

joined by:

- **European Commission**
- **ERIC Forum**
- **EOSC Association**
- **other Research Infrastructures**

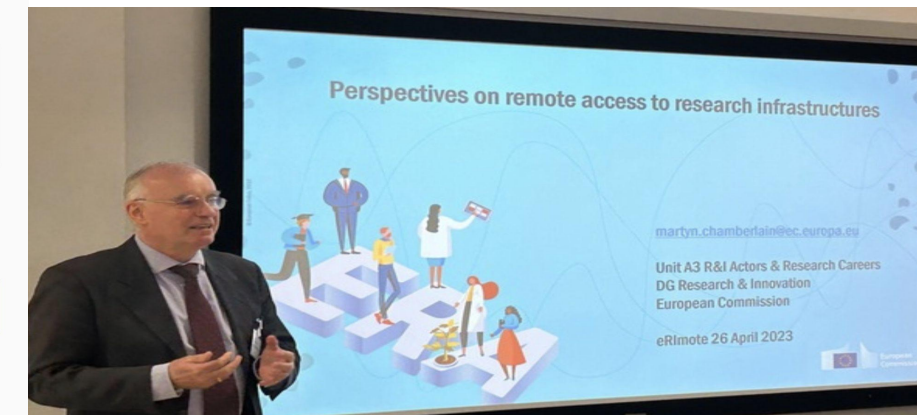
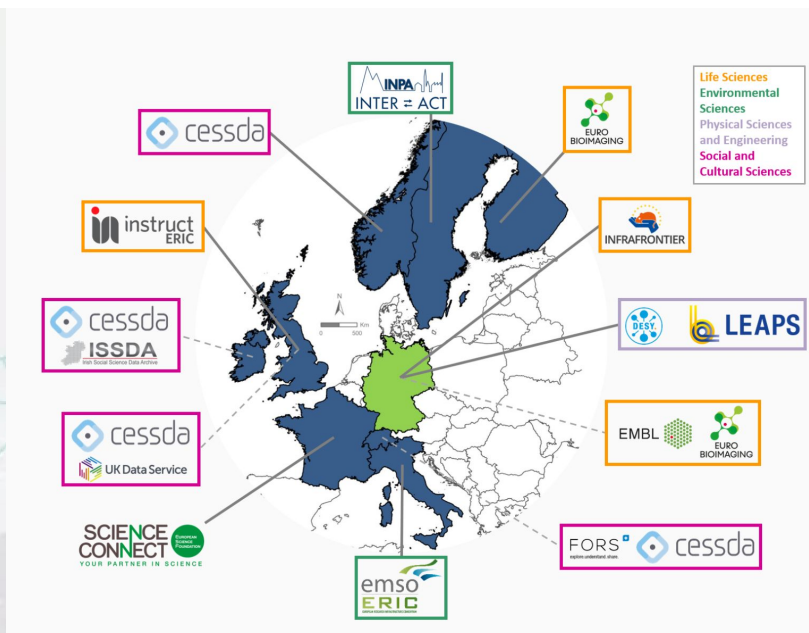
Results of which will inform a **Green Paper**:

- on challenges and barriers for remote access provision
- general and domain-specific strategies to overcome them



Workshop III
Remote RI: Governance, Policy, Funding & Impact

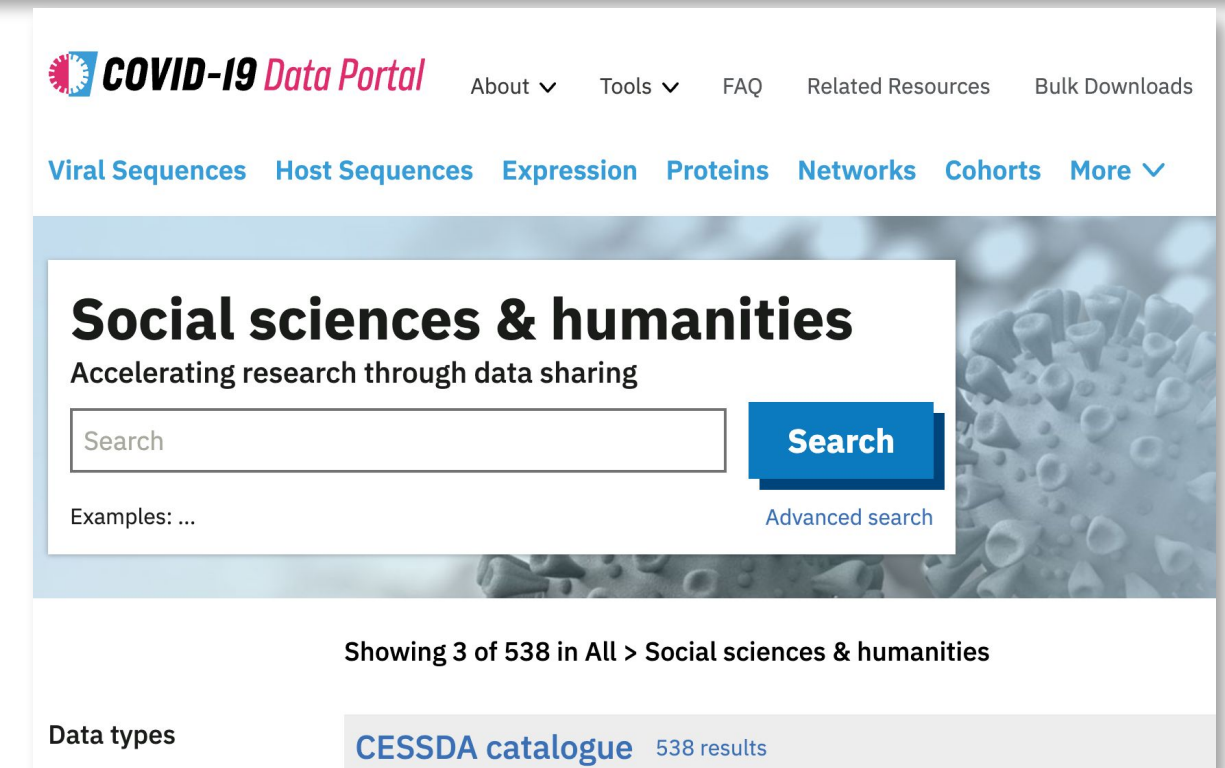
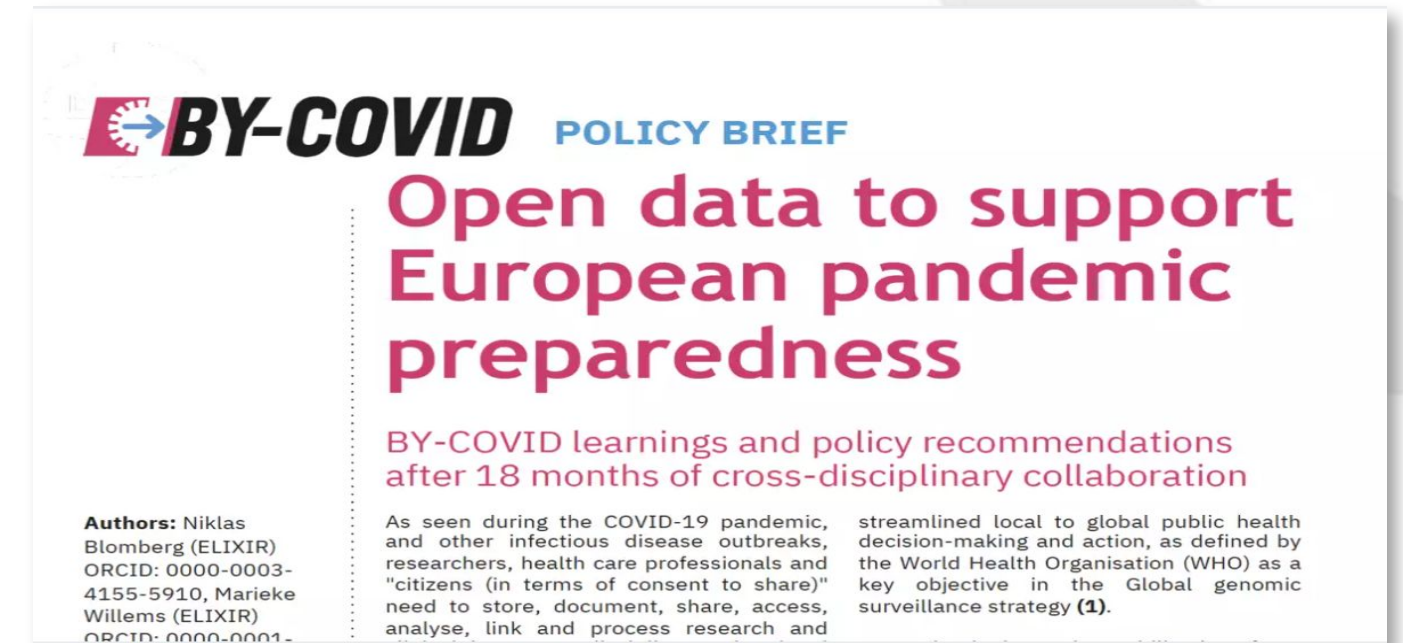
Wellcome Trust, London, UK
26 April 2023



Policy briefs

BY-COVID Policy Brief

- CESSDA Data Catalogue in **BY-COVID Portal**
- over **500 social sciences datasets** available (May 2023)
- tagged as CESSDA resources
- promoting the **importance of social science data**



CESSDA's as part of the European Research Landscape

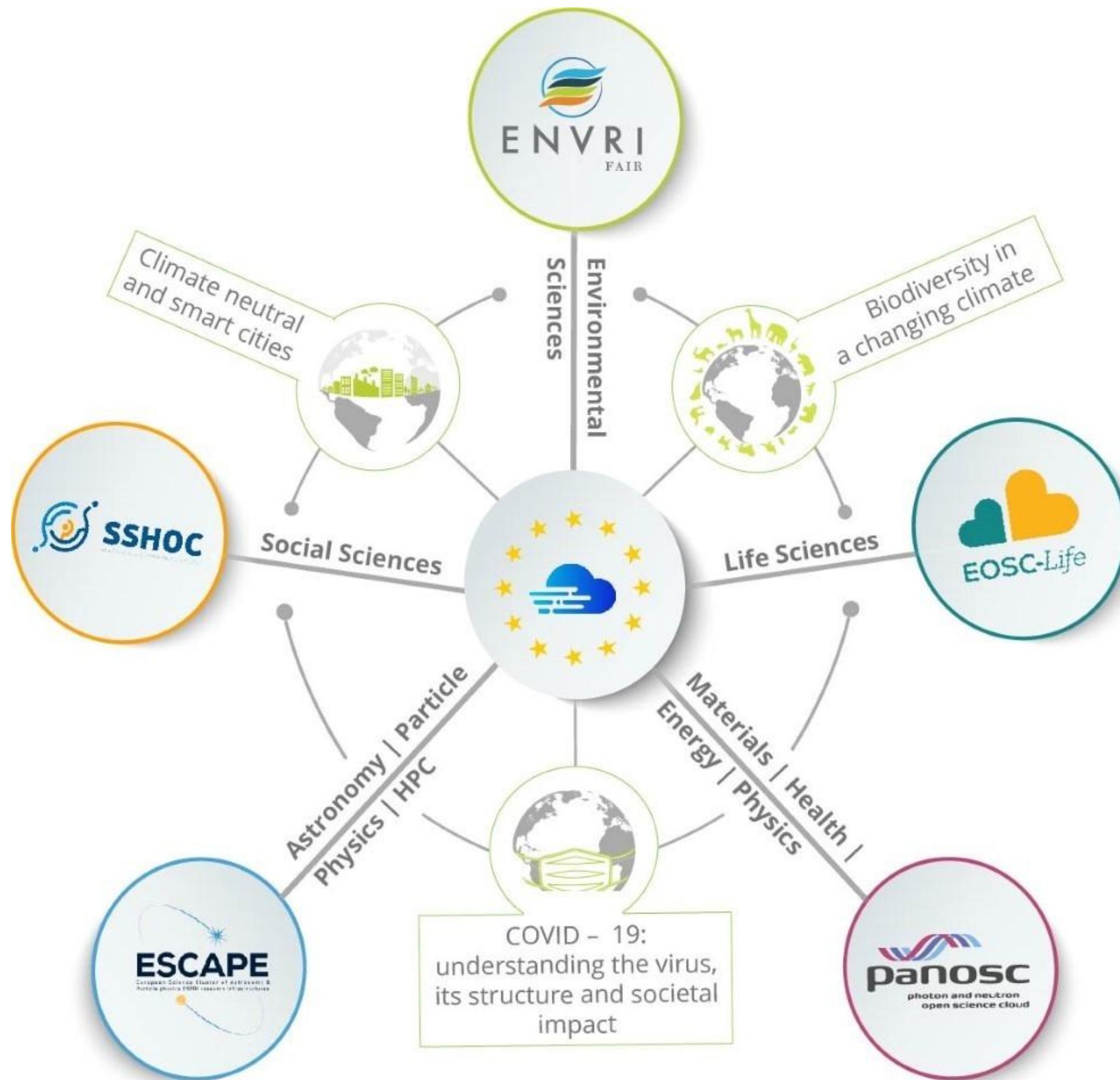


ERIC FORUM

2011 FIRST ERIC ESTABLISHED

today 28 ERICs
with an average of 12
Member Countries

The 28 ERICS organised into 5 Science Clusters



I. CESSDA and Researchers

- CESSDA participates in partnerships and collaboration with research communities through:
- Its Service Providers,
- Sponsoring or attending conferences,
- EC projects,
- Strategic partnerships, and
-
- SSHOC, the Social Science and Humanities Open (Science) Cluster a network of SSH researchers around SSH dedicated research infrastructures.



SSHOC - From a top-down initiative to a European SSH community



Horizon 2020
European Union Funding
for Research & Innovation

Type of action & funding:
Research and Innovation action
(INFRAEOSC-04-2018)

Partners: 53
(28 beneficiaries + 25 LTPs)

SSH ESFRI Landmarks and Projects
& international SSH data infrastructures

Project budget:
€ 14,455,594.08

Duration: 40 months
(January 2019 – 30 April 2022)

Project website:
www.SSHOpenCloud.eu

Objectives:

- creating SSH part of European Open Science Cloud (EOSC)
- maximising reuse through Open Science and FAIR principles (standards, common catalogue, access control, semantic techniques, training)
- interconnecting existing and new infrastructures (clustered cloud infrastructure)



SSHOC ERICs are growing on the EC level

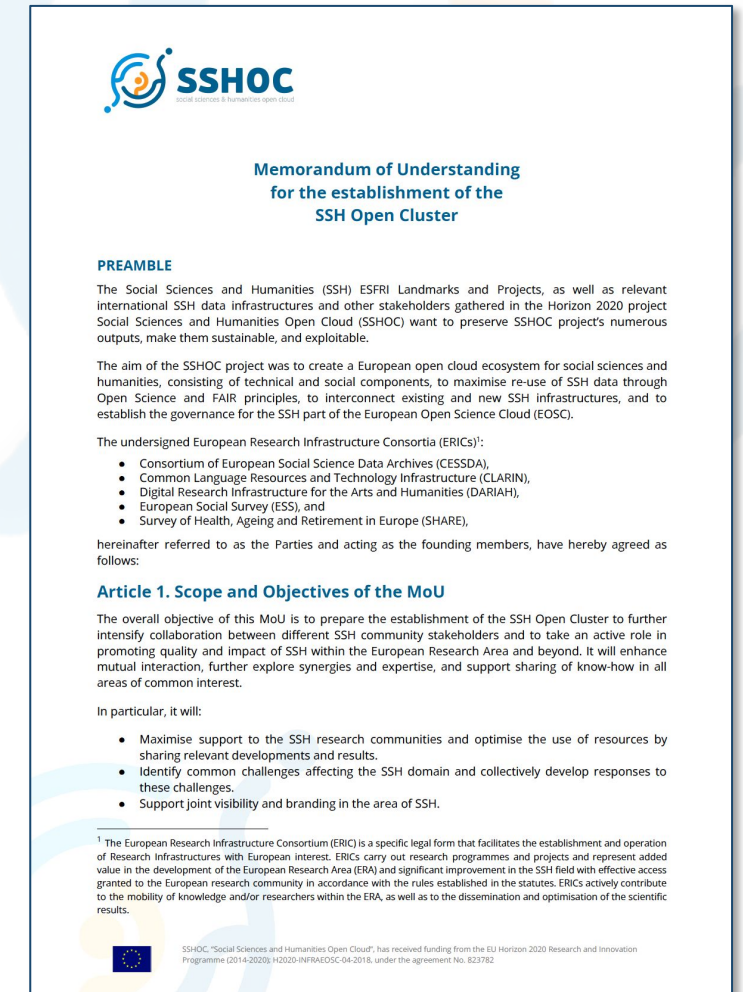
The SSHOC Governing Board with 11 RIs and 19 organisations as members

CESSDA ERIC Consortium of European Social Sciences Data Archives	Bonnie Wolff Boenisch
CLARIN ERIC Common Language Resources and Technology Infrastructure	Darja Fišer
DARIAH ERIC Digital Research Infrastructure for the Arts and Humanities	Toma Tasovac
ESS ERIC European Social Survey	Angelika Scheuer
SHARE ERIC European Research Infrastructure Consortium for the Survey of Health, Ageing and Retirement	Axel Börsch-Supan
EHRI European Holocaust Research Infrastructure	Reto Speck
E-RIHS European Research Infrastructure for Heritage Science	Vania Virgili
GUIDE Growing Up In Digital Europe: EuroCohort	Jennifer Symonds
GGP Generations and Gender Programme	Anne Gauthier
RESILIENCE Religious Studies Research Infrastructure	Francesca Cadeddu
OPERAS Open Access in the European Area Through Scholarly Communication	Maciej Maryl



Towards sustainability of the SSH Open Cluster

- **Memorandum of Understanding between the SSH Open Cluster (all SSH ERICs signed)**
- **The only cluster that has signed an MoU**
- **No legal entity**
- **Annual Work Programme with priorities:**
 - **Maintain SSHOC results and their interoperability (SSHOC marketplace)**
 - **Facilitate access, knowledge exchange**
 - **! Strengthen the representation of the SSH domain in the EU RI landscape**



SSH needs to speak with one voice

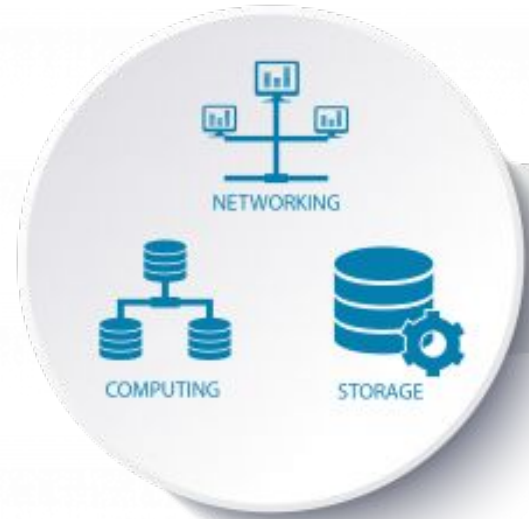
- To express needs and requirements from the SSH domain, which is itself methodologically and conceptually diverse
- To connect existing resources & tools and create synergies
 - to avoid duplication and uncoordinated developments in a still fragmented and underfunded SSH domain
- To reach an economy of scale
- To set standards: for data interoperability, for ethical frameworks.
- Cross fertilization work and the integration with the other disciplines

Why does engagement matters?

- EOSC - is a mesmerizingly complex & hugely ambitious enterprise
 - It needs to be useful for the key audiences such as the researchers in the SSH domain.
 - It impacts the European ecosystem (ERA) and trickles down to the national, regional and institutional level.
- Beyond EOSC, external drivers:
 - The general data landscape is rapidly evolving
 - and with that the build up of EC data spaces (EOSC is one of them)
 - Economic, competitive and geopolitical considerations in the context of the digital transitions & the potentials to leverage the data to solve societal challenges.

Global challenges have an impact on the local level, hence access to information, data and services provided by all for all is necessary.

European Open Science Cloud =



Enable researchers to access data, storage and compute ("cloud") via an Europe wide federation of IT services ("e-Infrastructure")

E-Infrastructure
consolidation

+



Drive the transition to Open Science (Open Data, Open Standards, Open Literature) - bring research benefits to European societies at large

Open Science

+



Populate EOSC with the scientific data resources and computational tools from research infrastructures - drive usage by to Europe's 1.7 M researchers

Scientific
Communities'
content and users

III. The digitisation of the European research landscape - CESSDA and EOSC

- **Open Science**
 - **Open Access** - and the use and reuse
 - **ERA priority Action 1**
 - The EOSC (European Open Science Cloud) transition from disciplinary silos and separate e-infrastructures into a cloud-based infrastructure for scholars
 - Research Assessment/CoARA - requires better data citation policies!
 - Making data FAIR

All requires **special research infrastructures and knowledge for handling and making data reusable such as CESSDA (for the social sciences)**



The image is a promotional graphic for the EOSC Task Forces. It features the EOSC logo (a stylized 'e' in blue and green) and the text 'Task Forces' in the top left. The main title is 'Open call for EOSC-A Task Force members'. To the right of the text is a network diagram with white nodes connected by red and blue lines. At the bottom, there is a list of four task forces with their respective leads and affiliations:

- FAIR Metrics and Digital Objects **Mari Kleemola, CESSDA/FSD**
- EOSC Technical and Semantic Interoperability **Matthew Morris, CESSDA/MO; Andrea Scharnhorst DANS; Hilde Orter, Sikt**
- Long-term Data Retention **Hervé L'Hours, CESSDA/UKDS; Abdulrahman Azab, Sikt; Ingrid Dillo, DANS;**
- Health Data **Ina Nepstad, Sikt**

Current SSHOC priority - Collaboration with the 5 other Science Clusters

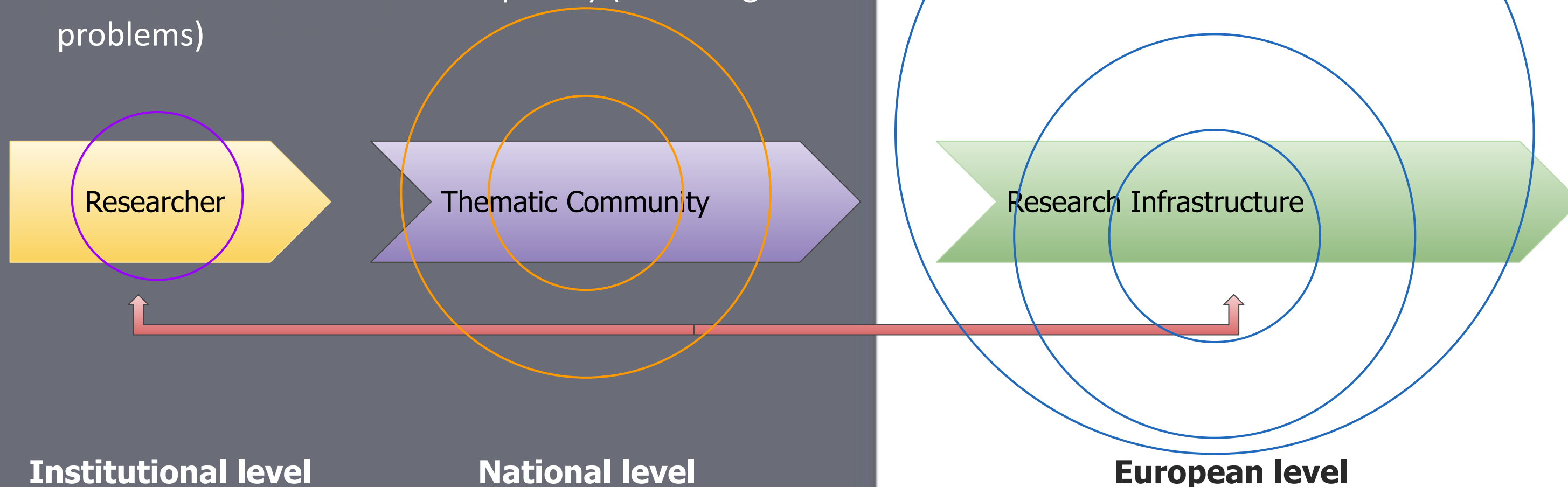
- Launch and management of the four-year EC project
OSCARS
Open Science Cluster Action for Research & Society
with 26 M EUR
- It brings together all European RIs in the ESFRI roadmap and beyond, with the goal of fostering the uptake of Open Science in Europe across scientific disciplines and communities.
- The first objective is to consolidate the achievements of the Science Clusters into lasting interdisciplinary FAIR data services and working practices



Benefit of CESSDA's membership - Ripple Effect

- Pool resources and knowledge in a cost effective way
 - Improved quality of data and metadata
 - Improved mechanisms for data dissemination and analysis
 - (Support in the) Certification of data archives
 - Professional training for data archivists
- Involvement of organisations beyond Europe
 - Acquirement of strategic projects for knowledge exchange
 - Work towards more cross disciplinary (to solve global problems)

CESSDA promotes social sciences research and develops its position at the evolving data landscape at EU and global level.



Thank you for your attention

CESSDA ERIC

 cessda.eu

 [@CESSDA_Data](https://twitter.com/CESSDA_Data)



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