SSHOC - the project (2019-2022)

Franciska de Jong

CLARIN ERIC

Social Sciences and Humanities RIs in Switzerland:
paving the way for the future

Bern, 18 January 2023

CLARIN

SSHOC - the stepping stone for the

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SSHOC

social sciences & humanities open cloud

Horizon 2020
European Union Funding
for Research & Innovation

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

Partners: 47
(20 beneficiaries + 27 LTPs)

SSH ESFRI Landmarks and Projects
& international SSH data infrastructures

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

Project budget:
€ 14,455,594.08

Project website:
www.SSHOpenCloud.eu

Objectives:

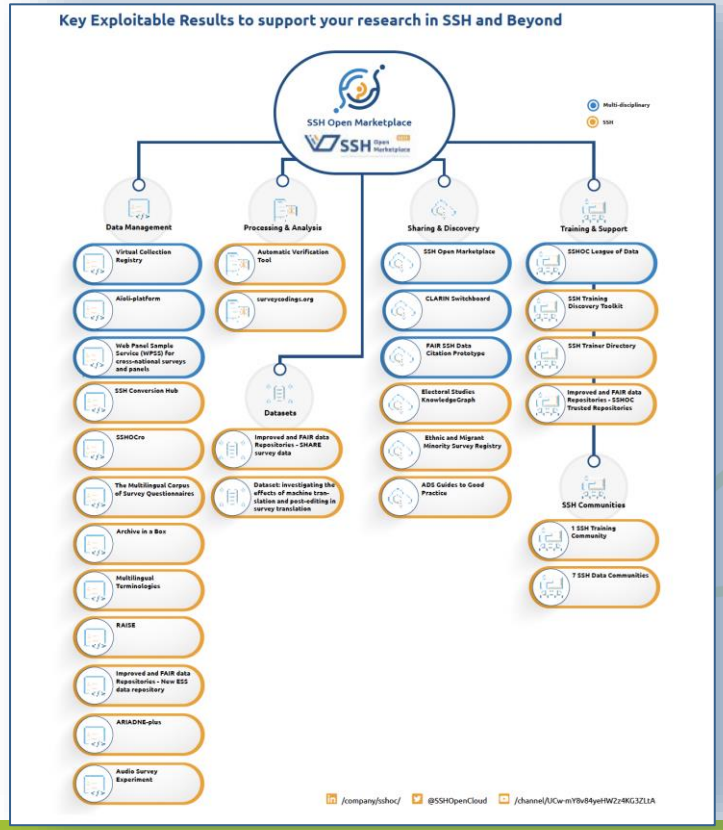
- creating the social sciences and humanities **(SSH)** part of European Open Science Cloud **(EOSC)**
- maximising **re-use** through **Open Science** and **FAIR** principles (standards, common catalogue, access control, semantic techniques, training)
- interconnecting existing and new infrastructures (clustered cloud infrastructure)
- establishing appropriate **governance model** for SSH-EOSC

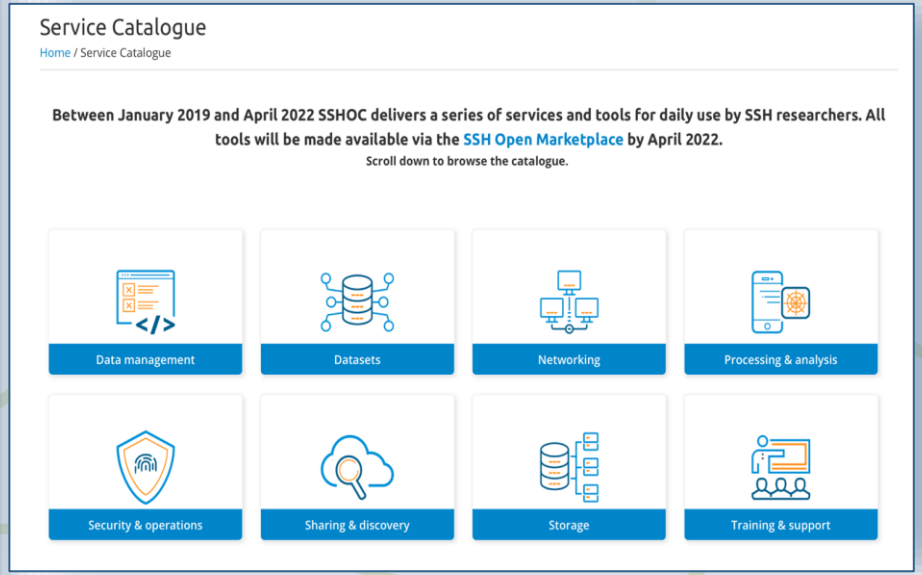
What did SSHOC promise to do for EOSC?

“SSHOC will provide the social sciences, humanities, and heritage science contribution to the EOSC by:

- Interconnecting existing and new infrastructures to build the SSH Cloud
- Maximising data reuse through Open Science and the FAIR principles.
- Providing training resources, a training network, and training activities
- Setting up an appropriate governance model”

SSHOC project - Key Explotaibale Results





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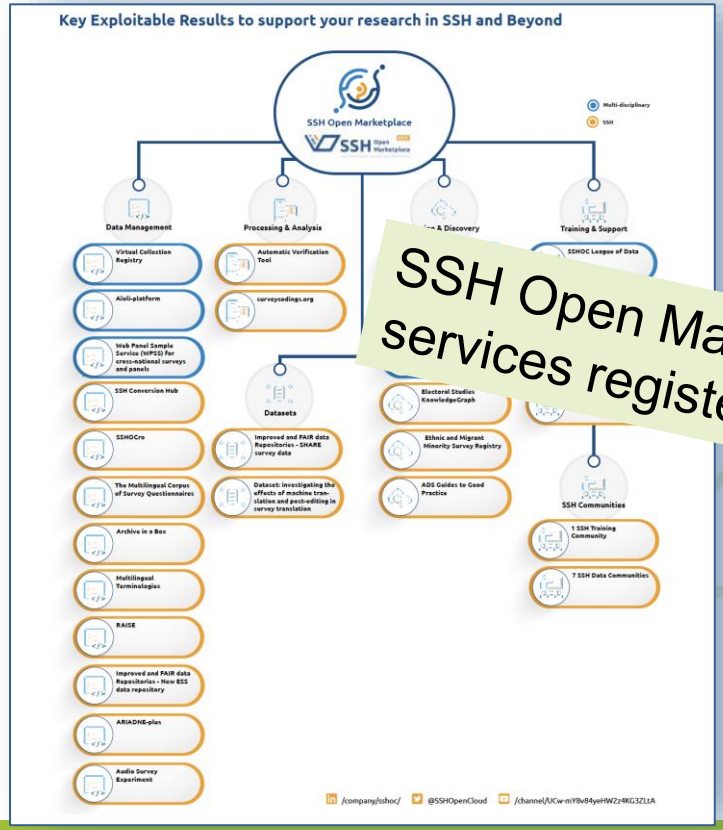
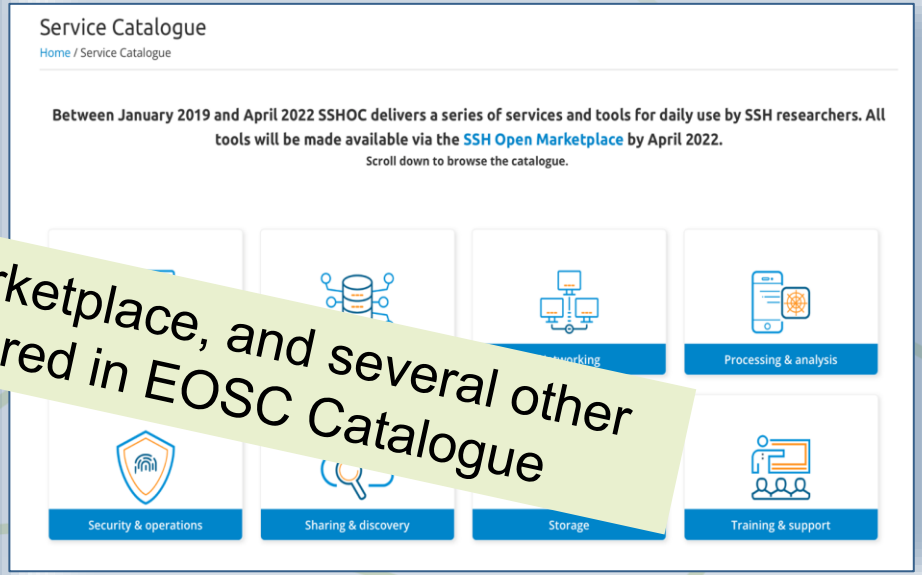


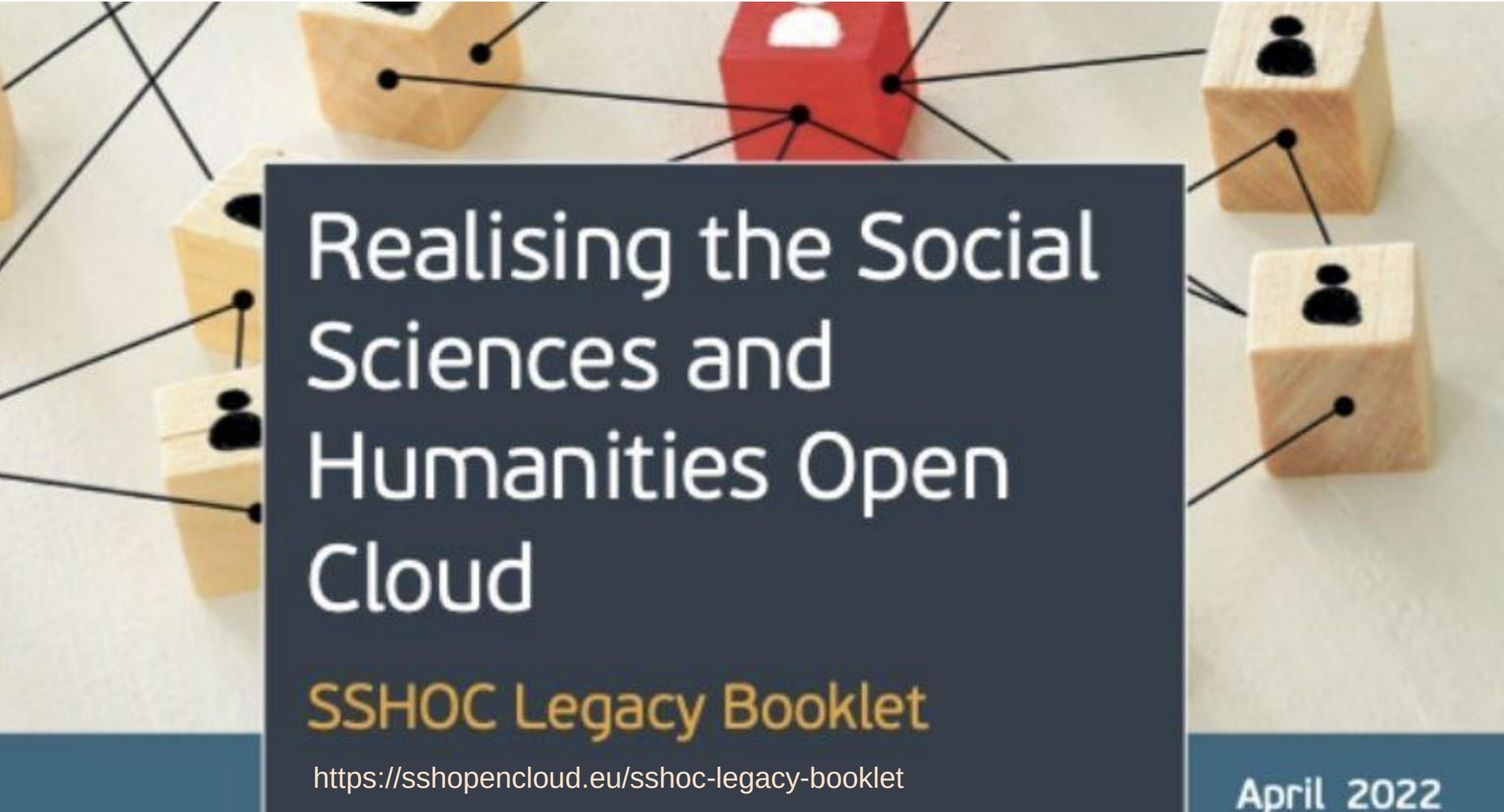


SSH Open Marketplace, and several other services registered in EOSC Catalogue

SSH Open Marketplace

Social Sciences and Humanities Open Marketplace

New platform to accelerate social & cultural research



Realising the Social Sciences and Humanities Open Cloud

SSHOC Legacy Booklet

https://sshopencloud.eu/sshoc-legacy-booklet

April 2022

SSHOpenCluster
Social Sciences & Humanities Resources

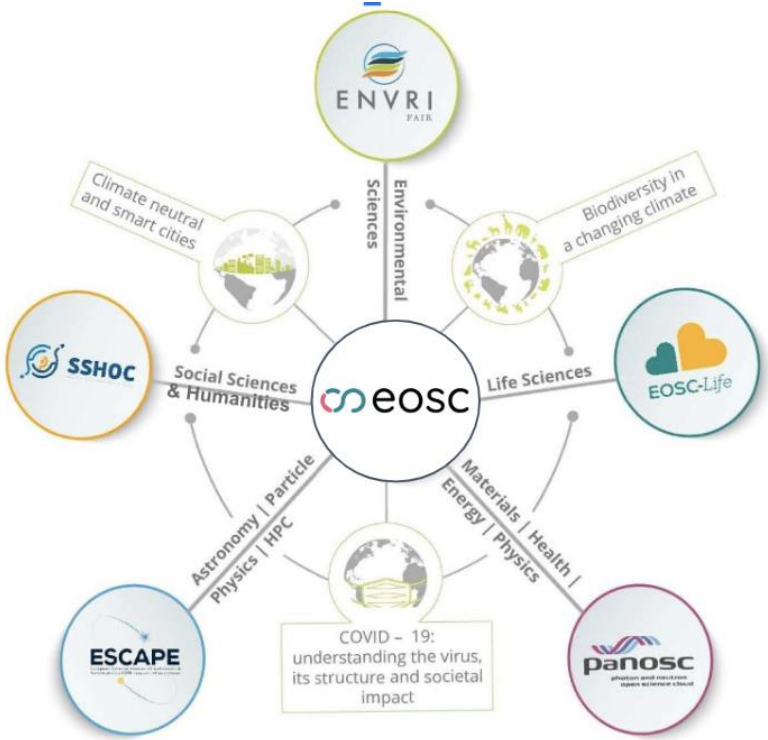
From SSHOC to the SSH Open Cluster

Breaking down community silos to advance Social Science and Humanities Research

Five European RI Clusters

Aligned agendas

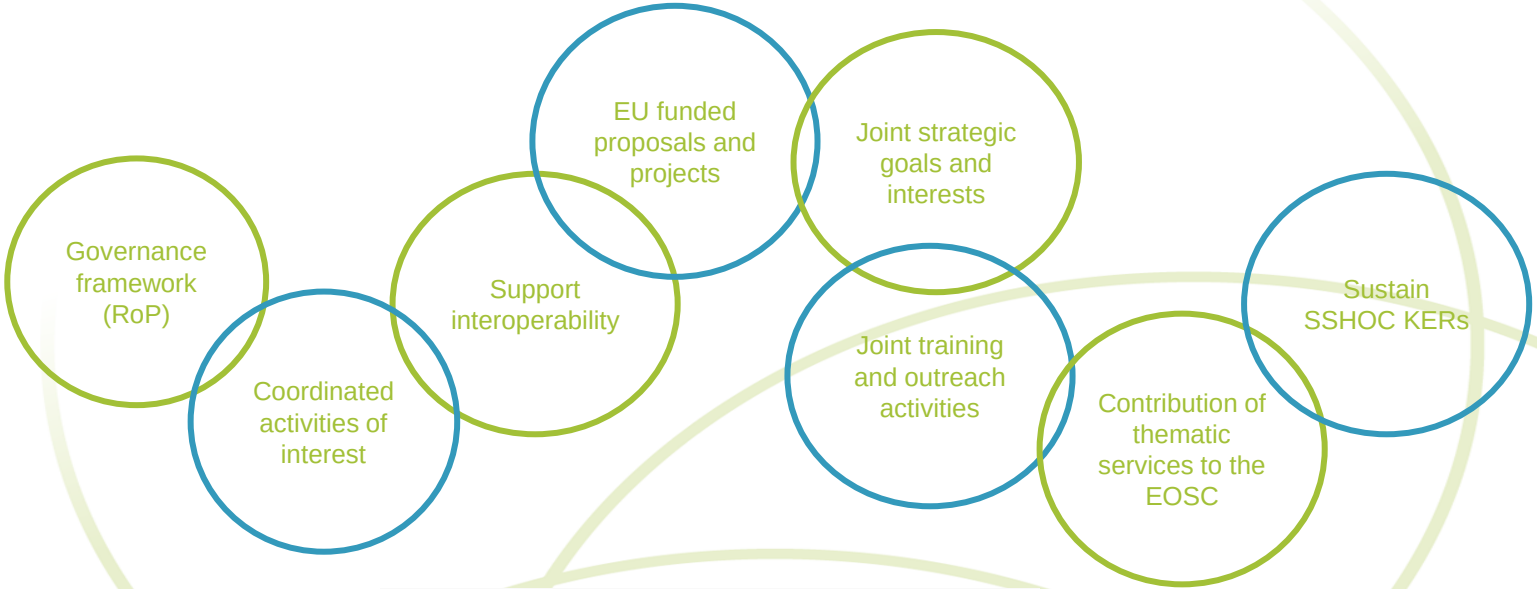
- Joint projects aimed at common value proposition for ERA and EOSC, e.g. HORIZON-INFRA-2023-EOSC-01-01
- Common web presence, white papers, etc.



Aligned activities

- Enhancement of interoperability of services to enable multi-disciplinary work
- Several pilot projects in project EOSC Future (H2020)

Envisaged collaborative activities for the parties united under the label of SSH Open Cluster



SSHOpenCluster
Social Sciences & Humanities Resources

SSHOpenCluster
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Interconnecting existing and new infrastructures

SSHOC

Cluster collaboration of European RIs in SSH

Collaboration of all pan-European research infrastructures in SSH and their nodes

Support for research of cultural data, language data, survey data, and other relevant digital objects. Objectives:

- Federation of distributed SSH resources
- Discovery platform *SSH Open Marketplace*: link
- Methodological and legal/ethical frameworks, and workflows for the analysis of a.o. multilingual data, multimedia data, heterogeneous data, sensitive data, etc.

Societal impact agendas taking shape in the context of dedicated initiatives, such as

- Collaboration in EOSC Future (H2020) e.g. between
  - SSHOC and EOSC-Life (harmonised vocabularies for metadata)
  - SSHOC and ENVRI-Fair (climate neutral and smart cities)
- Challenge-driven funding schemes of Horizon Europe

META-COVID: An Empirical Case Study on COVID-19 Metadata

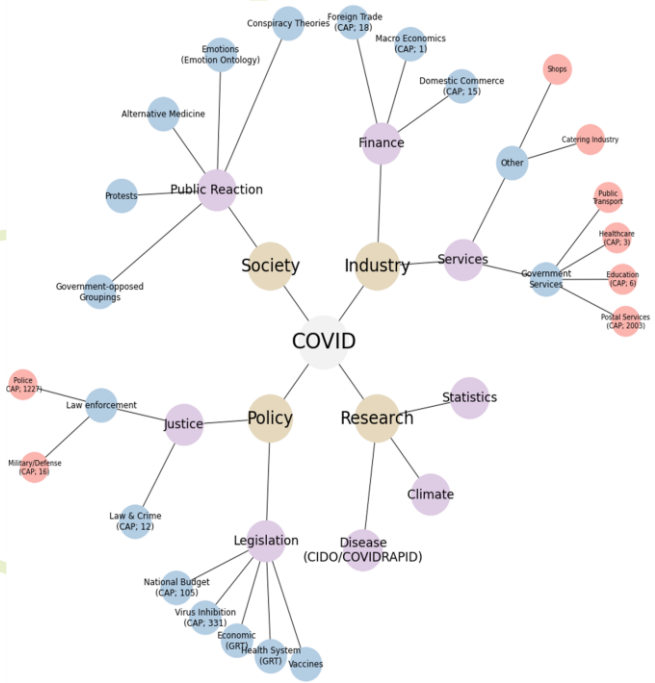
Contribution of TEXTUA - Universiteit Antwerpen CLIPS | Centrum voor Computerlinguïstiek en Psycholinguïstiek *&* ecrin *to the ongoing H2020 project* EOSC Future

What

- Development of an ontology of COVID-related topics

Why

- Aimed at optimising cross-referencing across different scientific disciplines.
- Meant to be relevant for
  - better integration of information from public debate channels and the health domain
  - digital monitoring and analysis of the public debate



How

- State-of-the-art topic modelling techniques
- Integration of the extracted topics into the ontology.
- Validation of automatically labeling of parliamentary data, social media data and social survey data.

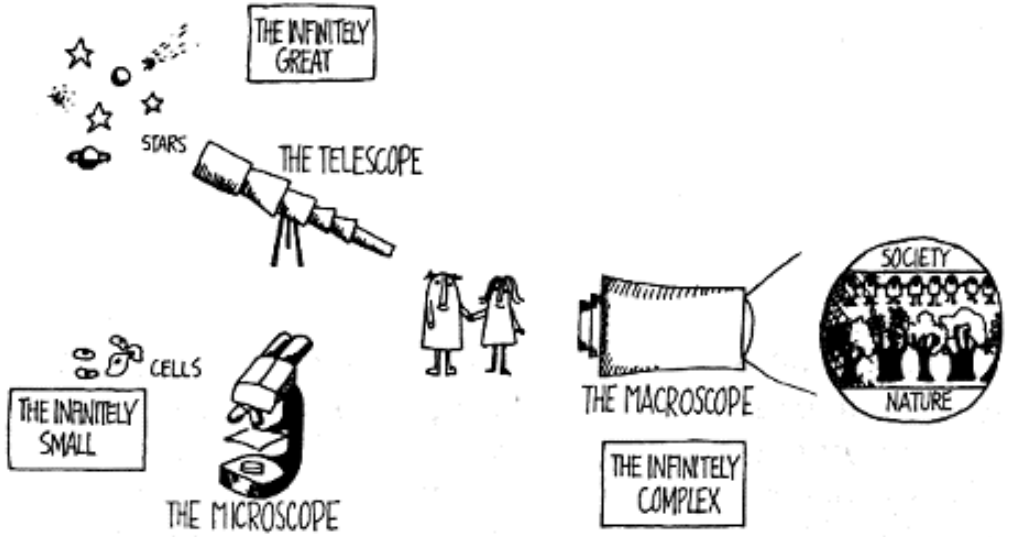
How the SSH agenda can benefit from RI support

- Better visibility and support for previously underexplored resources with huge potential for multidisciplinary work
  - Parliamentary records to study public debate on global issues in a multlingual context: COVID-19, climate change, migration
  - Heterogenous data collections that can be explored with tools for text and data mining (e.g., detection of disinformation, green washing etc.; mining of financial records; crowd control)
  - Speech data in multiple languages for developing models to be used by clinical practicioners for studying and treating speech disorders and early detection of Alzheimer
  - High-quality firm level data for Europe, through collaboration with RI initiative such as EURHISFIRM
- Interoperability can enable SSH to serve the HEU Missions and UN SDGs from many angles
- Many opportunities and resources have become available for training the new generations in digital scholarship and data science skills, all in line with the Open Science agenda.

The SSH Macroscope

A Unified Social Sciences & Humanities Infrastructure for Studying Change, Crises and Divisions

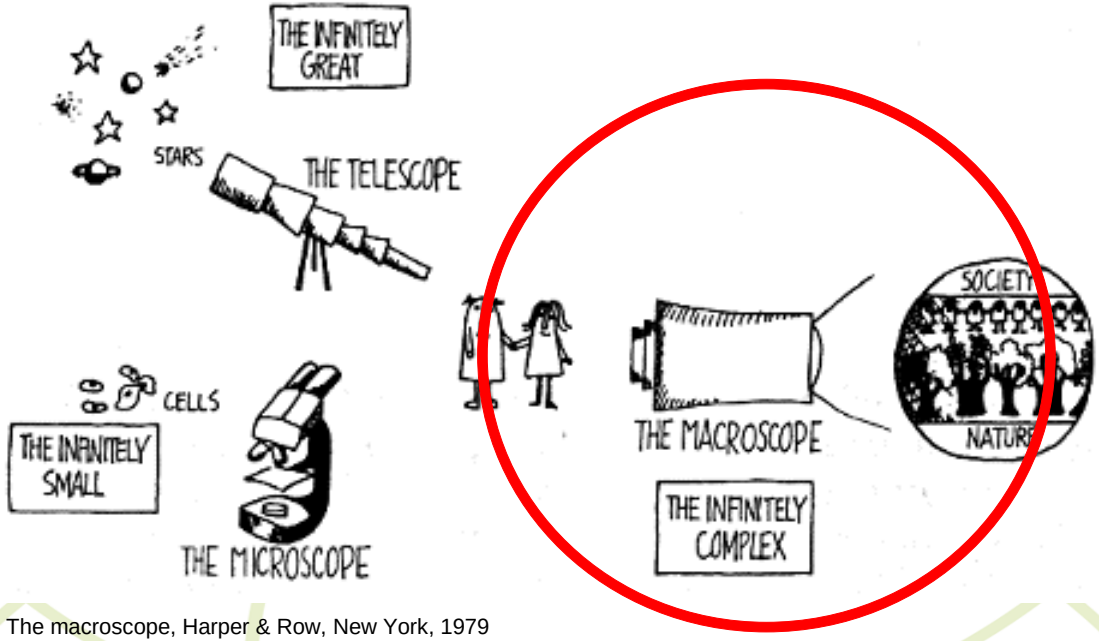
- Different zoom levels
- Broad, dee



De Rosnay, J: The macroscope, Harper & Row, New York, 1979

The SSH Macroscope

A Unified Social Sciences & Humanities Infrastructure for Studying Change, Crises and Divisions



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eosc

8 March 2023

EOSC Alignment | Switzerland

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Acknowledgement: some images/slides kindly shared by colleagues