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PIANO NAZIONALE
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Consiglio dei Ministri

KICK-OFF MEETING

Presentation

Emanuela Reale (CNR IRCrES)

Rome, November 25, 2022



FOSSR

Fostering Open Science in Social Science Research
Innovative tools and services to investigate economic and societal change



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Consorzio Nazionale
per le Infrastrutture
di Ricerca

Aim of the project

Creation of an *Italian Open Science Cloud for the Social Sciences*

which shall provide **innovative tools and services** to investigate issues related to the **economic and societal change of contemporary societies**

Demography and society

ageing, wealth distribution,
inequalities, education,
migration, etc.

Social behaviors

Models for social simulation



Structure of economy

innovative firms and fast-
growing firms, innovation
processes and outcome, new
modes of knowledge production

Public policies

Design, implementation and
assessment of e.g., R&I policies, health
policies, human resources policies

These are **key topics** addressed by the National Recovery and Resilience Plan (PNRR).

Network of Research Infrastructures with open resources of high-quality FAIR data, information, services, indicators, are key resources to improve the evidence-based decision-making capabilities in different policy domains.



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Context

The proposal adopts the common theme of the **development of Open Science in the Italian context** with the goal of creating a framework of tools and services for the social science scholar community, involving all the **RIs in social sciences coordinated by CNR**, namely CESSDA, SHARE and RISIS.



CESSDA ERIC Consortium of European Social Science Data Archives European Research Infrastructure Consortium, of which Italy joined in July 2021, which provides the scientific community with facilities, tools, datasets, and certified services to conduct research activities of excellence in the social sciences domain.



SHARE ERIC Survey of Health, Aging and Retirement in Europe European Research Infrastructure Consortium, an interdisciplinary and longitudinal survey on the economic, social, health and well-being conditions of the 50+ population in twenty-seven European countries (plus Israel).



RISIS Research Infrastructure for Research and Innovation (R&I) Policy Studies, which provides data and services to support the development of a new generation of analyzes, and indicators for the study of science, technology and innovation processes on the base of three main perspective: actors involved to understand the role they play, topics addressed to understand the directionality of the R&I efforts, and geography of science and innovation.



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FOSSR added value

The importance of **creating linkages and synergies between RIs** dealing with social sciences is not new.

The most relevant experiences of creating integration between different European RIs can be related to the initiatives:

- Social Sciences & Humanities Open Cloud (SSHOC) Project;
- Synergies for Europe's Research Infrastructures in the Social Sciences (SERISS);
- European Open Science Cloud Initiative (EOSC).

The **additional value of FOSSR** mainly rests in the creation of a network of the RIs in social sciences that

develops new open **services and resources**, highly innovative not yet existing in Italy and **essential for robust analysis** and research investigations in social sciences



builds an **Open Cloud** linked to a **network of data centers** mainly located in the South of Italy, which are supposed to improve the computing facilities existing at local level



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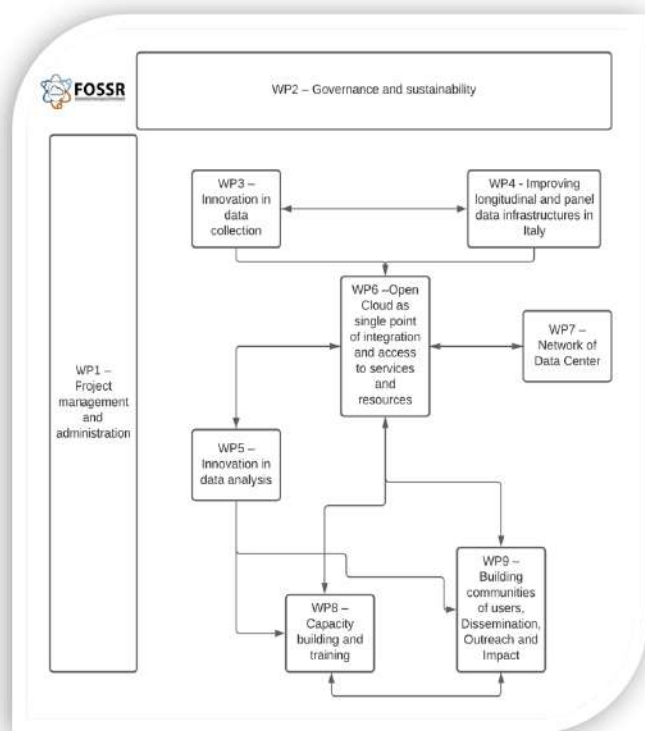


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Structure of the project



Scientific coordinator:

Emanuela Reale
(CNR-IRCrES)

WP	WP leader name	Rank	Organization
WP1	Daniela De Gregorio	Technologist	CNR-ISMED
WP2	Massimiliano Saccone	Senior technologist	CNR-DSU
WP3	Antonio Zirilli	Researcher	CNR-IRCrES
WP4	Mario Paolucci	Director	CNR-IRPPS
WP5	Andrea Giovanni Nuzzolese	Researcher	CNR-ISTC
WP6	Mario Ciampi	Senior technologist	CNR-ICAR
WP7	Mario Sicuranza	Technologist	CNR-ICAR
WP8	Andrea Orazio Spinello	Researcher	CNR-IRCrES
WP9	Emanuela Reale	Director	CNR-IRCrES



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Cloud per la ricerca
Open Science Cloud

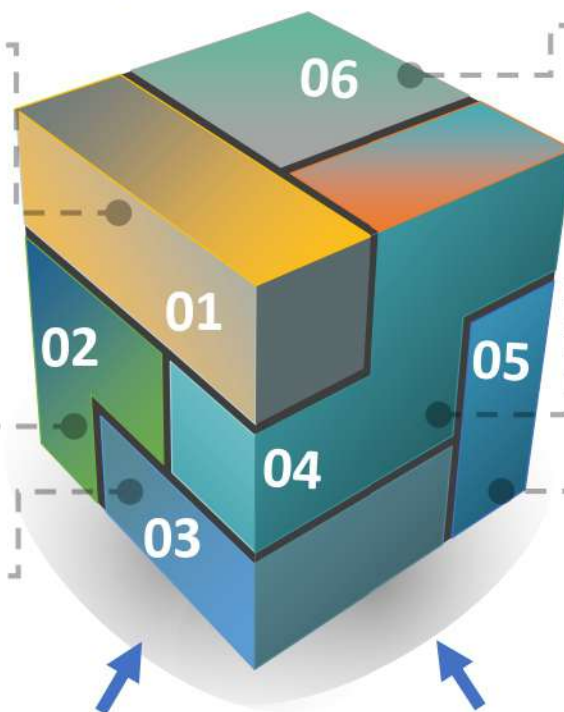
Expected outcomes

Facilitating and promoting the **remote access to high quality data for the social sciences** by using the Italian Open Science Cloud

Promoting the use of data for the social sciences among scholars and non-academic users and assist data users to exploit data and resources

Providing **innovative tools** to collect, explore, analyze, and harmonize data

Developing a governance model that can support the long-term activity of the thematic network beyond the end of the project



Training **new generations of researchers / data users** and disseminate the results deriving from projects developed by using the resources provided

Building a **distributed set of data centers that help to storage and distribute data** and resources derived from the combined activities of the thematic network

Strengthening the **ability of decision makers to interpret data** and use them for policy design (ex-ante evaluation of the different options) and for ex post evaluation of policies and their impact



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FOSSR in a nutshell

Research infrastructures involved

- CESSDA – Consortium of European Social Science Data Archives
- SHARE – Survey of Health, Ageing and Retirement in Europe
- RISIS – Research Infrastructure for Science, technology and Innovation policy Studies

Linkages with GGP-Generation and Gender Programme and GUIDE-Euro Cohort

CNR PARTICIPATION

IRCRES, IRPPS, ISTC, ISTI, ICAR, ISMED, DSU, ETHICS, UVR

Universities involved in the Italian nodes of the RIs: Milano Bicocca, Padova, Politecnico di Milano, plus other Universities that can contribute to the project.

ISTAT will be involved with a specific agreement.

Budget: 32,238,188.90 €, including the cost of fixed-term personnel (37 TD)

Starting date: November 1st, 2022