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Ministero dell'Università e della Ricerca

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PIANO NAZIONALE DI RIPRESA E RESILIENZA

KICK-OFF MEETING

Training Dissemination and Outreach

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

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WP8 - Capacity building and training

Within the WP8, FOSSR promotes activities aimed at

(i) strengthening **individual skills**, using advanced tools and techniques to address innovative research questions;

(ii) providing **expertise** in managing the research data lifecycle;

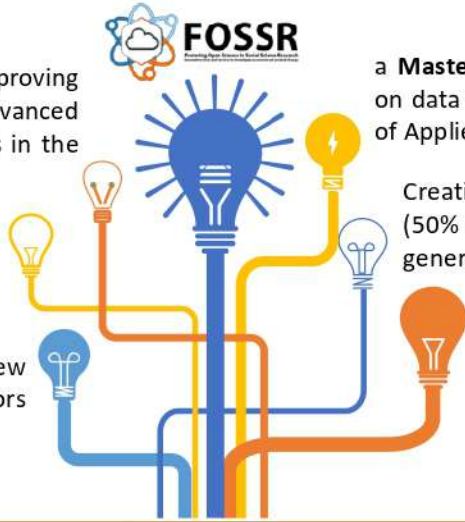
(iii) l**earning** how the efforts of researchers can tackle the societal actors' need and data can produce social effects;

(iv) transferring **high specialistic knowledge for data science** through higher education courses.

Online training courses aimed at improving knowledge related to the application of advanced statistical techniques, but also improving skills in the field of Research Data Management

Learning sessions to share experiences on how knowledge generated by data can be translated to produce social impact

Action research sessions to create new knowledge on the value of societal actors to influence scientific actors



a **Master level course** to train students on data analysis techniques, i.e., Master of Applied Data Science (MADS);

Creation of **20 PhD positions in universities** (50% in the South) to train a highly skilled new generation of data analysts

Creation of an **online software for performing data analytics** for the social sciences

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Courses and training sessions

The training activities will be targeted to the audiences of **CESSDA ERIC**, **SHARE ERIC** and **RISIS** and open to all the users interested in social research data (scholars, students, practitioners, policymakers, officers, and civil servants).

They will be delivered according to **four different formats**:

Methodological Courses will be designed to deepen specific advanced methodologies for *data collection* (e.g., use of longitudinal data, research infrastructures for surveys and people) and *data analysis* (e.g., spatial models, network science, text mining) developed within WP3 and WP5 and to address innovative research questions.

Research Data Management courses will cover the following topics: data management plan, data organization, data documentation, legal and ethical aspects, data preservation, data access and publication, reuse of research data.

Learning Sessions will allow scholars and stakeholders to *learn* how the design of social research could address societal issues e and how data-driven knowledge may be turned into social effects.

Action Research Sessions will trigger mechanisms of reflexivity between societal actors and scientific actors and will be useful to recognize how the efforts of researchers could be better defined in terms of research questions, topics to explore, development of new datasets and implications for new data collection methodologies.

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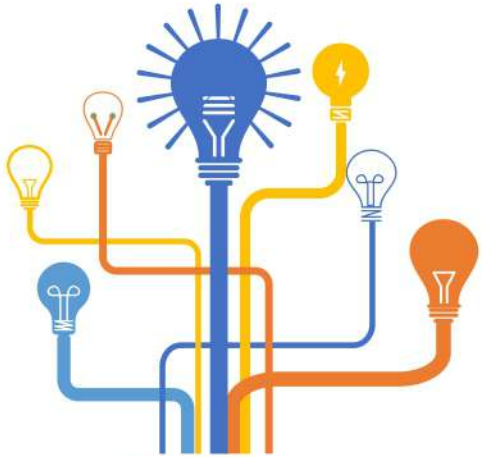
Master course and 20 PhD positions

Master of Applied Data Science (MADS) will give students a thorough understanding of how to manage data science from beginning to end in a variety of situations. It blends theory, computation, and application.

MADS will offer study and application in data collection, processing, analysis, visualization, reporting, and intervention, and will enable students to learn how to draw conclusions and inform decisions with data, while being attuned to ethical considerations of data use.



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20 PhD positions will be opened at Italian Universities with the aim of creating advanced skills to design large studies with effective research methodologies, analyze complex data sets, work with statistical software…

The mentioned skills are valuable to feed up a **new generation of scholars** that can use resources provided by the RIs, by combining strong theoretical, methodological, and technical knowledge of survey research and who are moreover aware of the legal issues related to data processing.

50% of the PhD position will be reserved to the **South of Italy.**

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WP 9 - Communication Dissemination Outreach

A key component of the project is to provide new tools and data analysis services to the research community. Many of the KPIs to measure impact go through several expected impacts that communication and dissemination can enable such as:

(i) Fostering scientific excellence.
(ii) Attracting new researchers from other territories.
(iii) Diversifying the catchment area.
(iv) Promoting Open Science practices.

Building the community

There are two channels to promote the innovation role of the FOSSR network:

1) taking into account the diversified nature of the stakeholders.
2) the channels though which we can impact them.

Potential Impacts are associated with the efforts to communicate and disseminate results obtained through the use of tools and services.

Different researchers have specific needs that FOSSR tools and services can meet. Researchers play an important role in the circulation of results and tailoring to the policy issues of the stakeholders that employ them. This is an important audience to be engaged deeply in the FOSSR activities.

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Activities for Dissemination and Outreach

Dissemination and outreach use **different means**:

Website and Social Media. The creation of the website and social media actions are critical steps in raising awareness of the opportunities at the interested audience, attracting new users of services and tools, and disseminating project outputs. The website shall provide to researchers and stakeholders access the results and open materials produced.

Online seminars and webinars are intended to promote the exchange of research ideas, presenting methods and findings developed by FOSSR thematic network. They are targeted to a broad audience within and outside the FOSSR community.

Policy Makers Sessions are online participatory events (citizen science events) to foster the engagement of decision makers building dialogues. The aim is to demonstrate the value of the resources and the type of use allowed in the policy cycle. Decision makers can learn from the audience through their feedback, as well as observe how data, tools and services should improve the understanding of economic and social change and can indicate emerging needs and missing items.

Policy Briefs will complement the dissemination strategy through outputs structured in an editorial format. Policy briefs are intended to communicate key findings from the FOSSR thematic network to a non-specialized audience. Policy briefs can accomplish two goals: improving the use of data for evidence-based policymaking and assisting the stakeholders in making informed decisions.

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Networking and Access

Networking is aimed at:

- Strengthening the linkages between FOSSR and the other thematic networks of research infrastructures in the area of Social and Cultural Innovation (H2IOSC, RESILIENCE.ITA).
- Networking with one thematic network led by CNR in the DIGIT area (Open.IT) to integrate developments of D4SCIENCE,
- Integration as far as possible the FOSSR initiative with universities that are Italian nodes of infrastructures thematically linked to FOSSR (GSS and GUIDE).

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Open Access includes publications, and the creation of the Media Data Center (MDC), which will be implemented on top of data and metadata offered by the infrastructure Open Cloud (WP6).

Transnational Access coordinates the transnational access through virtual and physical accesses to resources and services provided by the Open Cloud. Physical access is likely to develop assistance toward using different resources provided by the RI.

Challenges:

- Promoting the access from the South of Italy
- Pursuing the gender balance in the access