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Ministero dell'Università e della Ricerca
Italiadomani PIANO NAZIONALE DI RIPRESA E RESILIENZA

KICK-OFF MEETING

Online probabilistic panel and non-standard panel

Mario Paolucci (CNR IRPPS),
Antonio Zinilli (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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WP3 Innovation in Data Collection

(Leader: Antonio Zinilli, CNR-IRCrES)

Activity 3.1 – Web scraping and analytics
Activity 3.2 – Survey design
Activity 3.3 – Network of online laboratories
Activity 3.4 – Online nonstandard panel

WP4 Improving longitudinal and panel data infrastructures in Italy

(Leader: Mario Paolucci, CNR-IRPPS)

Activity 4.1 - Digital
Activity 4.2 - Recruitment
Activity 4.3 - Calibration and testing

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Why needed?

Italy lacks web-based, research-oriented (non-commercial) probabilistic panel surveys;

- need to build new tools and foster existing infrastructures providing information to support the future actions of ***researchers***, ***institutions*** and ***policy makers***.

there is a clear need for creating a linkage between the existing infrastructures in social sciences

- connecting diverse communities of scholars by supplying ***a common platform*** of data sources and innovative services and resources
- bringing users to data and their methods (enabling access) with a ***single access point***
- creating ***incentives*** for sharing, in compliance with open science FAIR principles.

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What are we going to build?

The Italian Online Probability Panel (IOPP)

- will provide a multi-purpose tool enabling the execution of surveys on the population of Italy,
  - covering all life stages, and a broad range of topics such as *families, housing, working life, income, vulnerability, gender, inequality, poverty, social and political attitudes and values*.
  - producing high quality longitudinal and panel data on the Italian population for the next decades.
  - Allowing easy, open, streamlined access to social science data through innovative interfaces (data exploration portals, time series, interactive visualizations)

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What are we going to provide?

- Panel sample
  - representative of the reference population (Italian residents aged 18 and older) in Year 2
- Refreshment of the panel during Year 3.
- ICT platform for the operation of the Online Probability Panel.
- Data collection: a yearly cycle of data collection, corresponding to 5 waves, of which 40% dedicated to the core longitudinal data collection.

Title	Bimester	Deliverables
Strategy for building the digital platform using Open Cloud	3	D4.1 - Definition of the strategy for building the digital platform using Open Cloud. Due date: M6 D4.4 - Development of the digital platform and integration with Open Cloud. Due date: M15
Preparation of public tender for subcontractors	3	D4.2 - Preparation of public tender for subcontractors. Due date: M6 D4.3 - Drawing of the probabilistic sample with ISTAT support. Due date: M9
Results from the operations of calibration and testing	9	D4.6 Report on strategies for calibration and testing of the sample. Due date: M18 D4.7 Report on results from the operations of calibration and testing. Due date: M30
Completion of recruitment campaign and refreshment strategies	9	D4.5 Report on recruitment campaign and refreshment strategies. Due date: M18

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Similar examples / success stories?

» ASPA » ANUpoll

ANUpoll

ANUPoll is a quarterly survey of Australian public opinion. The topic of each survey is an issue of national importance.

The ANUPoll differs from other opinion polls by placing public opinion in a broad policy context, and by benchmarking Australia against international opinion. The ANUpoll is also able to follow trends in opinions over many decades.

04 May 2021 **Attitudes towards and experiences of retirement and social security income during the COVID-recession and initial recovery**

In January 2021, the Social Research Centre on behalf of the ANU Centre for Social Research and Methods undertook a survey of 3,459 Australians through the Life in Australia TM panel. The aim of this paper is to explore the attitudes towards, and experiences of, retirement income at the start of...

» read more

07 May 2020 **Exposure and the impact on attitudes of the 2019-20 Australian Bushfires**

The bushfires that occurred over the 2019/20 Australian spring and summer were unprecedented in scale and wide in their geographic impact. Between 20 January and 3 February 2020, the ANU Centre for Social Research and Methods and the Social Research Centre collected data from more than three...

IRISS

Integrated Research Infrastructure for Social Science

About

About

Integrated Research Infrastructure for Social Science (IRISS) is aimed at filling a gap that currently exists in national research infrastructure that is: addressing fragmentation, establishing a new foundation for integration of data, analysis and platforms for social science research in Australia. The project is oriented around improved integration across the research lifecycle of the social sciences.

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Similar examples / success stories?

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German Internet Panel

University of Mannheim ■ GIP ■ The GIP

How is the GIP funded?

As an infrastructure project of the Collaborative Research Center (SFB) 884, the GIP is currently funded by the German Research Foundation (DFG) for the period from 2010 to 2021. This is the maximum funding period for Collaborative Research Centers and demonstrates our success over the past ten years. We are currently in the process of applying for continued funding after 2021.

The interdisciplinary research center of the SFB 884 employs about 150 international scientists from the fields of political science, economics, sociology, data science, and computer science are working across 18 projects.

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Similar examples / success stories?

About the Panel

The LISS panel (Longitudinal Internet studies for the Social Sciences) is the principal component of the MESS project. It consists of 5,000 households, comprising approximately 7,500 individuals. The panel is based on a true probability sample of households drawn from the population register by Statistics Netherlands. Households that could not otherwise participate are provided with a computer and Internet connection.

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WP 3 Innovation in Data Collection

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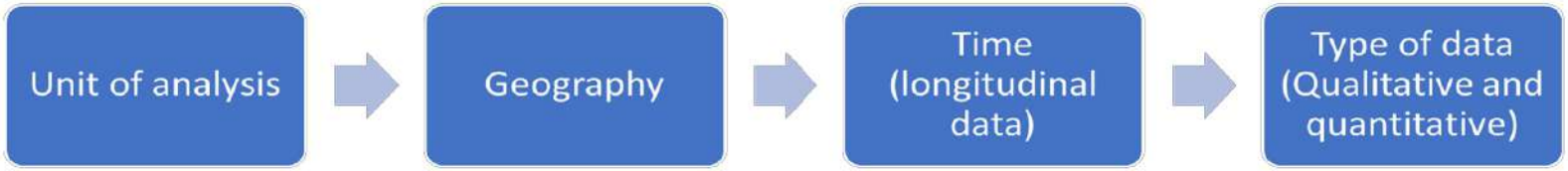
WP3 Data collection strategies

Activity 3.1 and 3.4 - Data on careers and mobility of Italian doctorate holders and researchers (RISIS).

Activity 3.3 - Data collection on attitudes, social norms and behaviors with respect to issues of strong social and political relevance (e.g. environment, disinformation).

Activity 3.4 - Data collection on a broad range of topics: such as employment, social and political participation.

Identifying data needs



Samples are selected based on the probability proportionate to the distribution of a variable in the population (target).

Several types of research, which include:

- Descriptive research
- Exploratory research
- Causal and Experimental research

WP 5

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WP 3.4 Nonstandard panel

WP 3.4 Nonstandard panel aims to create a large panel of potential respondents from which to draw different "non-probabilistic samples". The highest standards of privacy and data security will be respected.

Non-standard panel is a way to complement the online probability panel WP 4 (Improving longitudinal and panel data infrastructures) and the Network of Online Labs (WP 3.3).

Online Nonstandard Panel to be integrated in the Open Cloud (WP6). Developing of an innovative interface also with interactive visualizations.

Methods to reduce the bias in estimates from nonrandomized samples. Different adjustments may be needed for different analysis.

Surveys based on non-probability samples and the methods used to analyse them have been shown to perform well in specific circumstances, such as in predicting election outcomes (Goel, Obeng and Rothschild, 2015; Graefe, 2016; Wang et al., 2015) or providing timely estimates of the state of the labour market (Foote et al., 2021).

Nonstandard panels will be used in various research settings, including the following: i) One-on-one interviews ii) Focus groups and iii) Survey studies (WP 3.2 link)