



RISIS



This project is funded by the European Union under Horizon2020 Research and Innovation Programme Grant Agreement n°824091

An innovative research infrastructure as a support for STI research community

VISION

The main pillars of RISIS are oriented to be identified as core support for the quantitative studies of the STI research community, the one dedicated to inform and build evidence for the policies that deal with preparing for the future, and this involves scholars interested in higher education, research and innovation.

Adding a new level of freely accessible aggregated data on very relevant political issues, challenges and company missions.

Improving the use of RISIS datasets and services, through the possibility of virtual transnational access with the opening of Risis Core Facility (RCF).

BACKGROUND

In Europe, the 200 largest universities (out of more than 2,500) produce 80% of articles published by European universities.

Similar studies dealing with nanotechnologies have shown that 80% of publications and an even greater percentage of patents were concentrated in just over 200 clusters worldwide. These asymmetric distributions call for a new type of dataset that keep the identity and address actors, requiring thus to be built on open data.

Following actors in different sources, in particular outputs and collaborations, geocoding addresses of organisations, and their authors and inventors have become critical resources for providing new evidence for policy-making.

RCF AND SERVICES

RISIS Core Facility gives access to researchers to all RISIS datasets in a linked structure, and to a very extensive set of services and web applications to explore, connect and analyse those data. It will also connect users to the Open Data communities by constructing a bridge between RCF and a specifically designed D4Science VRE. RCF will radically enlarge the 'user base' as the research topics that researchers can address will be multiplied through the simultaneous access to multiple datasets and the possibilities of combination offered by RISIS data integration services.



DATASETS

Firm Innovation dynamics

CIB: data and indicators at the firm level for the worldwide largest R&D corporate performers (about 4,000 parent companies and their 350,000 consolidated subsidiaries).

VICO: information on start-ups that received venture capital or angel investment in the period 1998-2014, and on investors providing capital for these start-ups.

Cheetah: original data for 42,369 fast-growing mid-size firms (FGMFs) located in 30 European countries (EU-28, Norway and Switzerland) plus Israel.

European Integration

EUPRO: information on 96,674 R&D projects and 526,564 participations. The data refer to EU-28 Member States, 13 Associated countries, 14 Third Countries, and International Cooperation Partner Countries.

JOREP: data on European transnational joint R&D programmes. It stores a basic set of descriptors on the programmes and agencies participating in the programmes.

Knowledge dynamics

CWTS publication database: a full copy of Web of Science (WoS) on bibliometric analyses, which enables output and (scientific) impact analyses of any set of publications covered by WoS.

RISIS Patents: a database of all patent offices produced by the European patent office (EPO).

Nano S&T: information on publications and patents between 1991 and 2011 about Nano S&T, gathering 1.18 million Nano-related publications and 735,000 priority patents.

PhD and researcher careers and mobility

PROFILE: information of 5,468 doctorate holders from all scientific disciplines on the conditions of their doctoral training and careers.

MORE: three surveys aimed to map mobility and careers of European researchers, respectively named More1, 2 and 3. From 2019, the RISIS infrastructure provides access to the MORE3 on behalf of European Commission.

Policy learning

SIPER: linked to the OECD-World Bank IPP platform, it contains 768 evaluation reports relating to publicly funded science and innovation support programmes and measures with a focus on the UK and the European Union.

Registers

ORG-REG: a reference database on universities and public-sector organizations (incorporating the ETER DB, PROs and University Hospitals).

FIRM-REG: a reference database on the innovation dynamics of firms (all the business included in the firms' datasets which are part of RISIS).

NEW DATASETS

EFIL

Public funding instruments

ESID

Dataset on social innovation

HR

Career Information of PhD holders

TM

Trademarks dataset

AUTHORS

Emanuela Reale, Grazia Battiato, Serena Fabrizio*

IRCRES - Research Institute on Sustainable Economic Growth of CNR - National Research Council of ITALY

