

# RISIS



RESEARCH INFRASTRUCTURE FOR SCIENCE  
AND INNOVATION POLICY STUDIES

## RISIS: Data infrastructure for science and innovation studies

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# What is RISIS

# RISIS



- A European research infrastructure focusing on services and data for science and innovation studies
- Initiated in 2014 and renewed in 2018 until 2023
- Moving toward a long-term sustainable object through an International Association under the French Law
- It provides European researchers
  - Services and competences
  - Curated & enriched datasets
  - Tools for methodological advances
  - Registers on research organizations and firms
  - Ontologies, visualization maps
  - Training, research seminars and awareness raising events

# RISIS vision

# RISIS



Four priorities in the RISIS vision:

- *visibility* towards academics, stakeholders and policy makers
- *accessibility* through distant access, increased tools and visualization
- *exploration* of new indicators also based on bottom-up learning and ontologies
- *exploitation* of resources and services developed within the infrastructure
  
- 18 partners within Europe

# RISIS identity

# RISIS



## *Research orientation*

Providing facilities, resources and services to researchers in the STI field and beyond

Developing new datasets services and indicators on STI policies

## *RISIS is clearly inscribed in the open science movement*

Access is granted for 'publishable research' with support for data exploitation

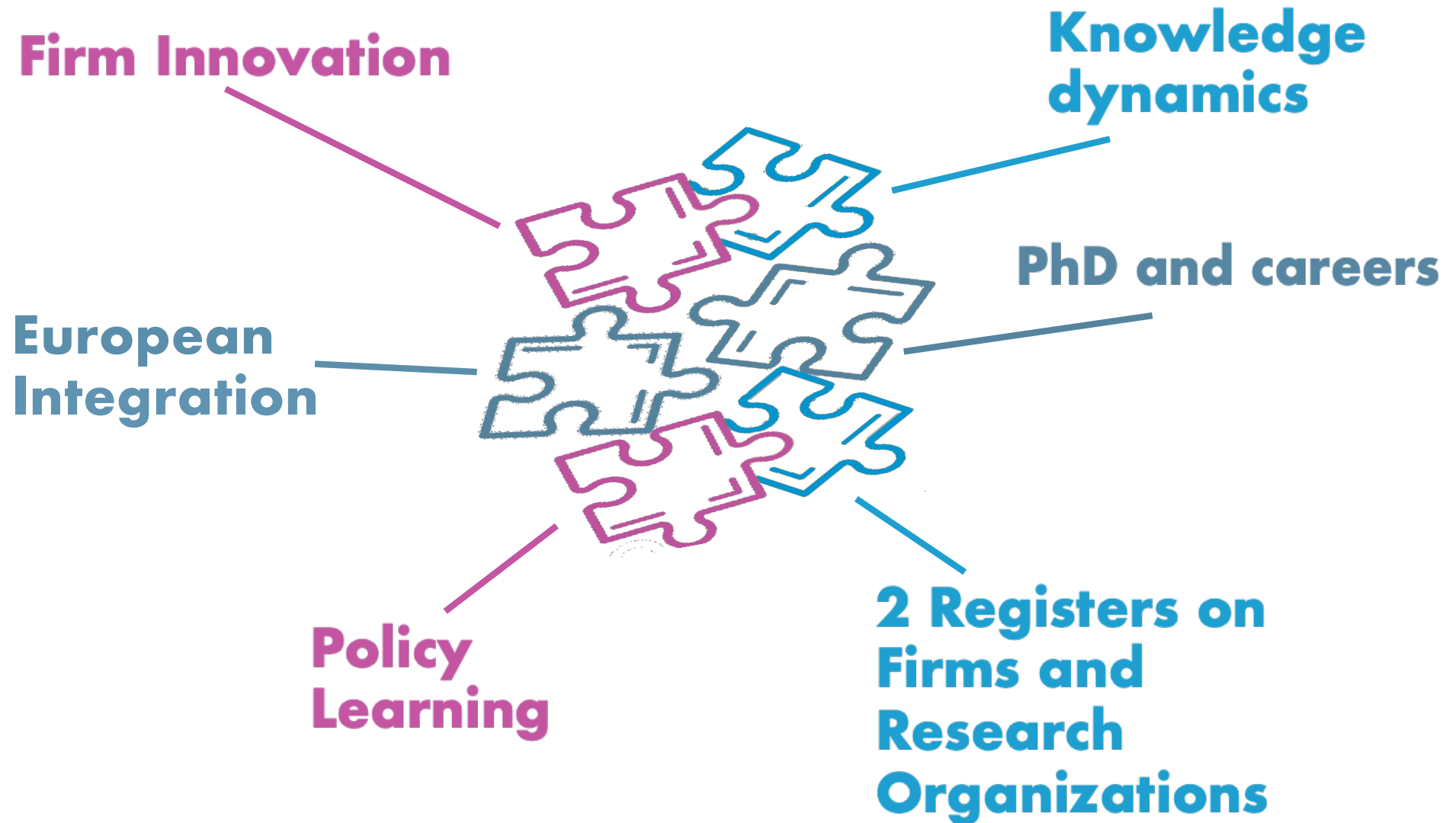
Using Zenodo as repository for outputs and outcomes

## *Impact and interactions with the research community*

Important investment in training, dissemination and communication

# RISIS datasets families

# RISIS



# Tools supporting data harmonisation

# RISIS



- **Data integration**
  - On 3 dimensions - geography, actors and themes
- **2 actor-based registers with unique identifiers**
  - ORGREG for public research organisations (fully open and now integrated in EHESO)
  - FIRMREG for firms
- **The CORTEXT geospatial annotation tool with multiple levels of aggregation at city, regional and national levels**
- **The RISIS SDG topic classifier and the RISIS SDG landscape explorer**

# The KNOWMAK tool

# RISIS



Visualizing knowledge creation in the European Research Area: the RISIS-KNOWMAK tool



Slides and video:

<https://zenodo.org/record/3591854#.Xs6DUmgzbcc>

# RISIS users

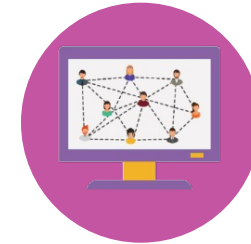
# RISIS



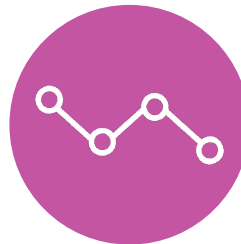
Evidence-based  
policy making for  
**Research and  
Innovation**



**Science Technology  
and Innovation  
scholar's community**



**Researchers  
from  
neighbouring  
fields**



**National  
Statistical  
Offices and  
European  
Statistical Units**



**Governments**



# RISIS support to OS by empowering user communities

# RISIS



- **With the researcher communities:**
  - over 400 requests in four years with 60% for the ECRs
  - 1600 participants for the monthly online seminar
  - over 21000 downloads from RISIS Zenodo (185 documents)
- **With the policy community:**
  - 14 policy sessions gathering 500 participants and generating on YouTube 27500 views and 730000 impressions
- **A lively website, our involvement on the main social media, and a periodic newsletter (with 2000 subscribers)**

# Challenges

# RISIS

- RISIS project was a real success (the most favourable EC Project Review Report on the achievements I have ever seen)
- However, the EC has no mechanisms for recognising the research infrastructures that do not fit the ESFRI intergovernmental process, nor for supporting them
- RISIS faces some challenging ongoing transformations of the STI field of study because
  - changes occurred in the availability of open data (e.g. OpenAlex) and related changes in the actors' strategies and collaborations.
  - new ongoing initiatives in the field involving several partners of RISIS (e.g. EHESO).



- From learning it was too early for an ESFRI entry...
- ... to the construction of a new legal entity
- ... to the empowerment of the Italian node leading the PNRR IR FOSSR – The Open Cloud on Social Science Research in collaboration with SHARE ERIC, CESSDA-ERIC, GGP, GUIDE
  - Focusing on the economic and social change
  - Improving the information on Innovation and firms
  - Building a new set of integrated data from different sources on doctorate holders to understand their value for the economy and society
  - Building a non-standard panel on the Italian population
  - A new tool for optimal policy learning

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# THANK YOU!

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