

DG R&I Data System

European Data for R&I Policy Initiative and the STIP Compass

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European R&I Policy context



Delivering on the transitions and the recovery

Europe faces societal, ecological and economic challenges, aggravated by
#coronavirus → it is time to retool ERA so that it delivers on Europe's recovery to:



and new solutions in areas such as the decarbonisation of industry or sustainable mobility



health, digital, socio-economic and climate R&I are essential



in the global race for knowledge and tech sovereignty in cybersecurity, space, AI, 5G and e-mobility



A renewed ERA

- ERA OBJECTIVES:
 - Prioritising investments and reforms
 - Improving access to excellence
 - Translating R&I results into value
 - Deepening ERA
- NEED FOR BETTER INFORMED AND COORDINATED R&I POLICIES
 - Better informed R&I policies
 - Better coordinated R&I policies at European, national and regional level throughout the policy cycle
 - Better data, data systems, data treatment and visualisation tools

European Data for R&I Policy

































Knowledge in the Making in the European Society

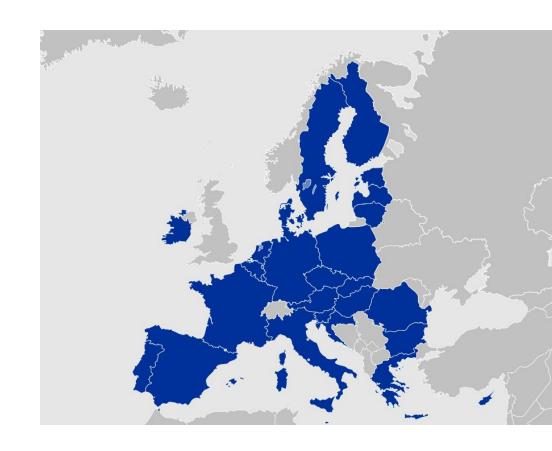






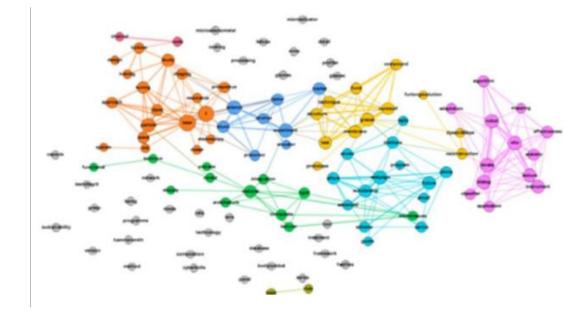
Key Objectives:

- Know the landscape
- Push for more data-driven policymaking in the STI domain
- Contribute to the integration of the (big) data landscape of STI funding and outcome in Europe
- Demonstrate the value of data for STI Policymaking









- Directionality- Strategic investments
- Connectivity- Knowledge flows/ Collaboration Networks
- From funding to impact





- Animation and thrive of the community
- Foster connectivity and openness
- Long-term pilots and enablers













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Lintelcomp



STIP Compass





- An EC-OECD joint initiative to collect together in one place quantitative and qualitative data on national trends in STI policy.
- It uses a **semantic database** for storing, accessing and linking various kinds of data (policies, statistics, publication metadata, twitter feeds...).
- It is **publicly available** online at stip.oecd.org. **Launched in April 2018** in Brussels.









Main use-cases of STIP Compass



Provide a bird's eye overview of the main national STI policies in one place.



Inform on how other countries design STI policies and deploy instruments to address various objectives and challenges.



Enable **policy learning** by providing practical guidance on how to achieve specific policy goals using analytical frameworks.



A first source of evidence for **EC and OECD analyses**.



A resource for academics and other policy analysts to **tackle research questions** in the field of STI policy.

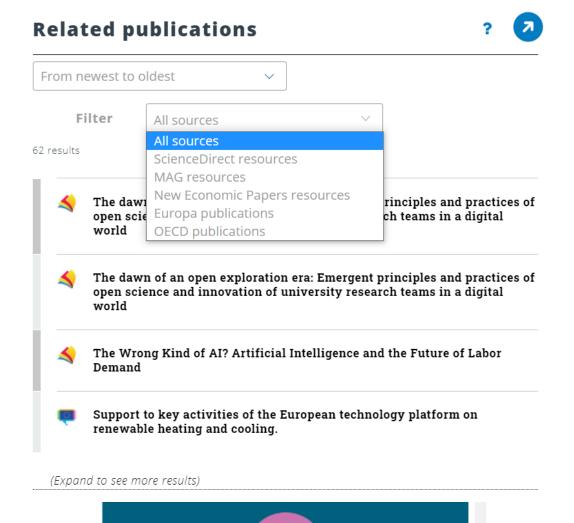


National digital infrastructures and other policy databases can call up the latest STIP Compass data on demand.



Data linked to the STIP database

- Semantic integration with **linked data**:
 - 2,000+ OECD publications
 - 2,000+ EC publications
 - 10,000+ ScienceDirect, RePEC and MAG academic papers from relevant journals
 - Policy initiative data linked to 100s indicators from the STI.Scoreboard infrastructure
 - 100s of relevant RSS and Twitter feeds in country pages



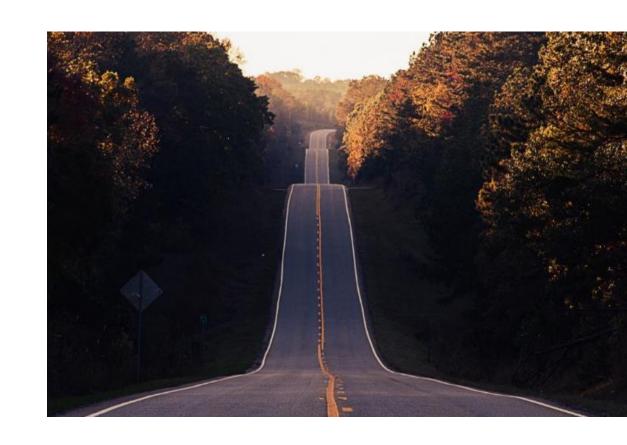
Data interfaces in STIP Compass stip.oecd.org

- Interactive dashboards
 - 500+ different kinds of dashboards
 - Country dashboard: Generate country overview documents from live data
- Policy explorer
 - Google-like search
 - Narrow down by keywords using a dedicated innovation vocabulary
- Query builder
 - Open API to download data in CSV/XML formats



Plans for the web portal during 2021-22

- Exploring the regional dimension
 - Incl. linking to EU data on structural funds and conducting pilots on collecting regional policy data.
- Extending the automatic generation of reports to visualise and describe how selected countries approach a given policy issue.
- **Upgrading** the existing web portal (look-and-feel, usability).
- Introducing thematic portals including decision-support tools.



Thank you



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