

OPEN SCIENCE MONITORING IN FLANDERS USING FRIS, THE REGIONAL CRIS



Flanders
State of the Art



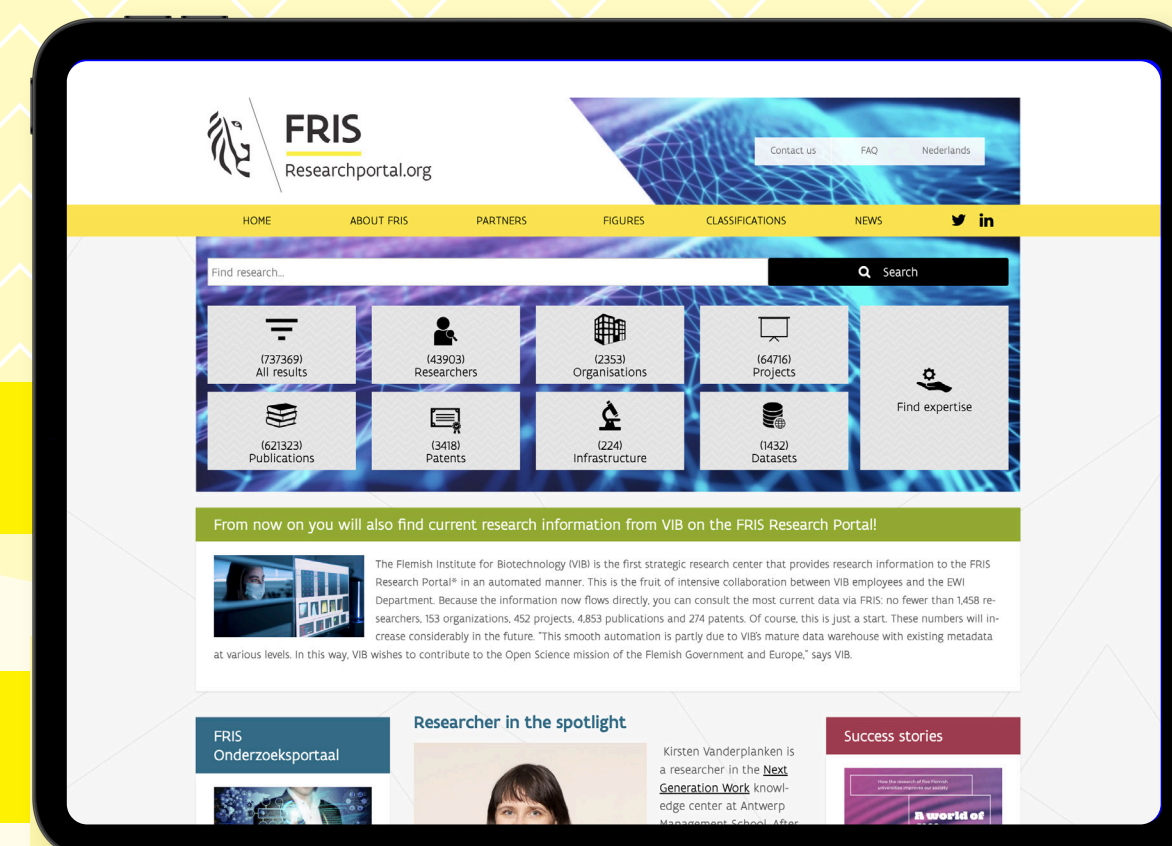
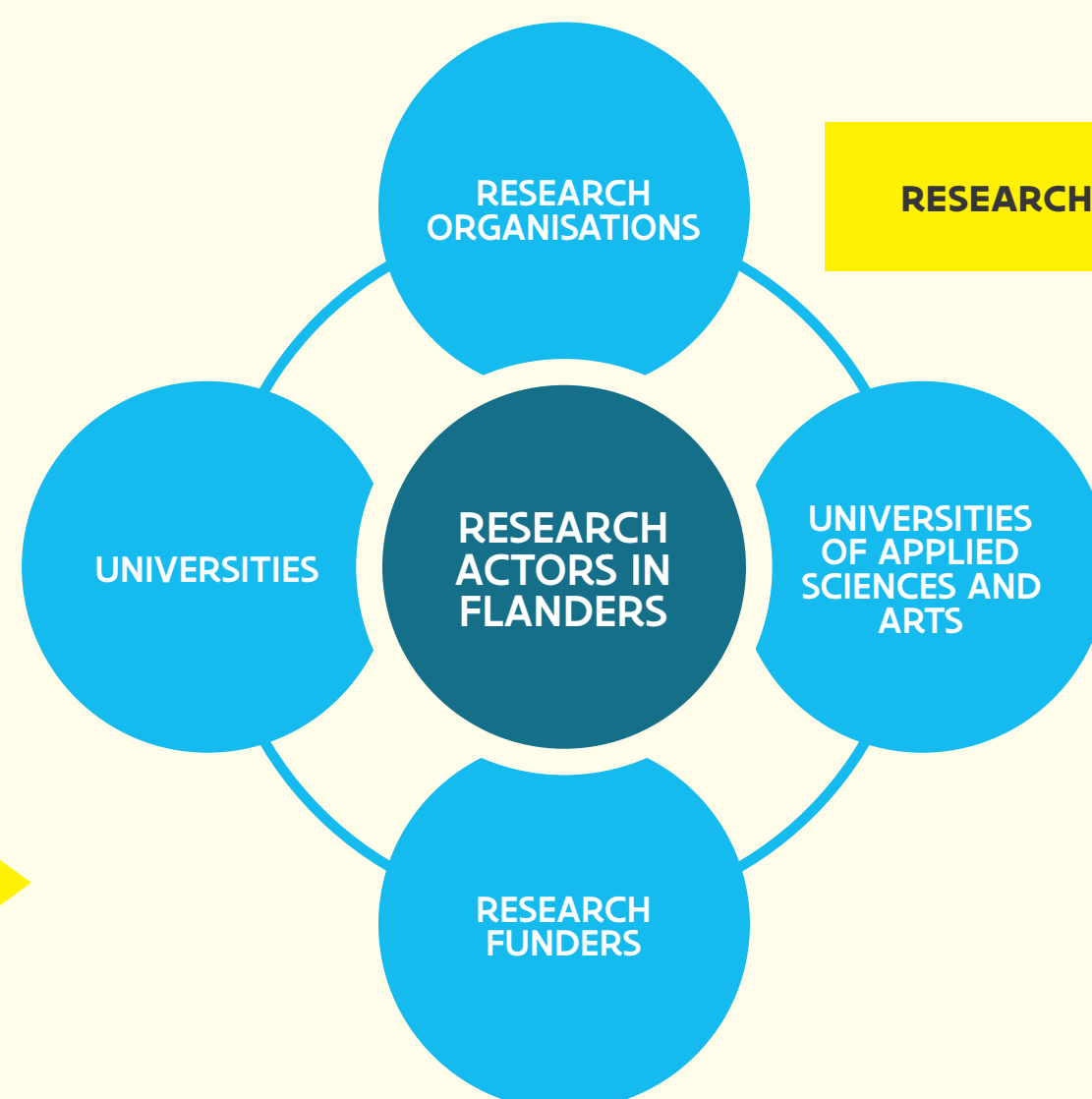
METADATA OF DATASETS

OPEN SCIENCE IN FLANDERS

- Initiative of Flemish government (2019)
- Governed by the Flemish Open Science Board (FOSB)
- 5 mio € / year
- Granted to all knowledge institutions in Flanders
- Used for infrastructure and data stewards
- Monitored yearly using KPI's

5 MIO € / YEAR FOR
INFRASTRUCTURE AND
DATA STEWARDS

MONITOR KPI'S



FRIS (Flanders Research Information Space)

is a regional Current Research Information System (CRIS) and portal that collects research information of publicly funded research performed in Flanders. The portal offers a unique window increasing the visibility of research in Flanders to researchers and the wider public. At the same time, it is a rich information source for reports, analysis and statistics for better policy making.

researchportal.be/en

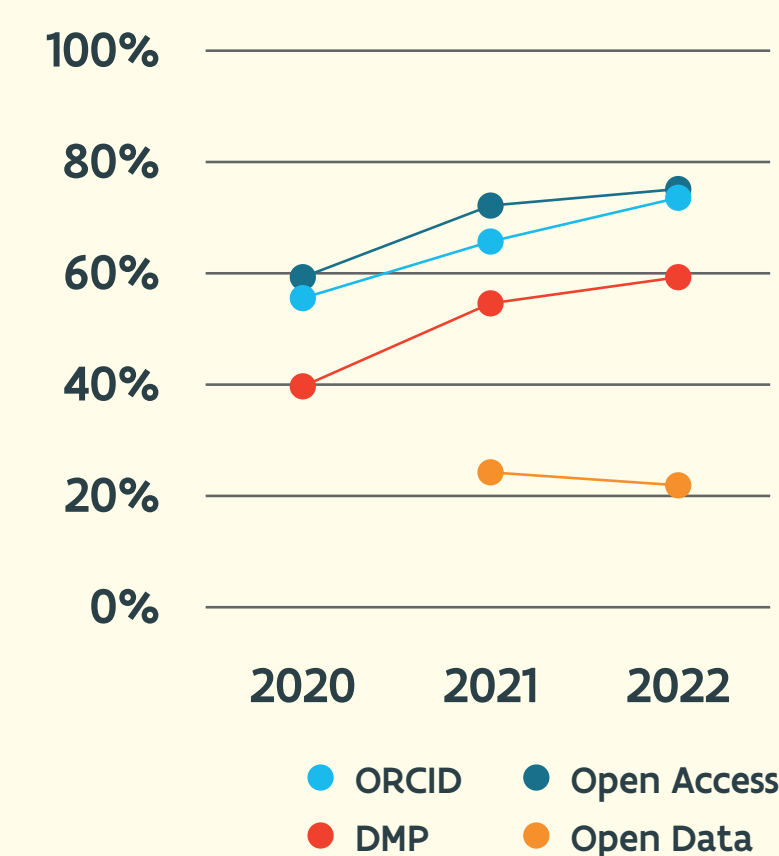
SETTING UP OPEN SCIENCE MONITORING

DEFINITION OF KPI'S AND SETTING GOALS	• In FOSB Working Group RDM and Open Science involving all research actors. • Collaborative effort and consensus. • 5 KPI's: ORCID, Data Management Plan, Open Access of publications, FAIR Data, Open Data. • Goals were set in 3 tracks with varying degree of ambition.
EXTENSION OF THE RESEARCH INFORMATION MODEL	• In FOSB Working Group Metadata & Standardization involving all research actors. • Creation of a common metadata model for datasets. • Adoption of this model by all research actors and implementation in their CRIS's.
EXPLICITING THE METRIC METHODOLOGY BASED ON THE INFORMATION IN FRIS	• Translation of definitions into detailed technical specifications for measurement using FRIS data. • Advantages: - transparency - consistency and comparability - less administrative burden when using FRIS data
MEASUREMENT OF THE KPI'S	• Measured since 2020 (ORCID, DMP, Open Access) and 2021 (Open Data). The FAIR KPI is put on hold until international metrics are developed. • Monitoring of progress (see figure).
EVALUATION OF THE METRICS	• Yearly review by FOSB Working Group RDM and Open Science. • Evaluation of the Open Science Initiative in 2024, including KPI metrics.

OPEN SCIENCE KPI'S

- **ORCID KPI:** Researchers that receive public funding should have an ORCID
- **DMP KPI:** Projects that receive public funding should have a Data Management Plan (DMP)
- **Open Access KPI:** Peer-reviewed journal articles resulting from publicly funded research should become available in Open Access
- **FAIR KPI:** Research data underlying journal articles resulting from publicly funded research should become as FAIR as possible
- **Open Data KPI:** Research data underlying journal articles resulting from publicly funded research should become as open as possible

OPEN SCIENCE KPI'S FLANDERS



CONCLUSION

- Open Science policy: moving all research actors in Flanders towards Open Science
- Intensive collaboration with all research actors (change management)
- Monitoring using 5 KPI's: transparant, consistent and comparable, less burden when using FRIS data
- Evaluation of Open Science initiative and KPI's in 2024



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DEPARTMENT OF
ECONOMY
SCIENCE &
INNOVATION