



# Data Monitor

Track and analyse your institutional research data

Institutions need solutions that help them easily find and keep track of vast amounts of research data published by their researchers to:



Maintain a clear overview of research impact



Oversee the management of institutional policies



Safeguard compliance with funder mandates

## Understanding research data visibility challenges

- Most public research data is deposited by researchers on external generalist or domain-specific repositories.
- Institutions need to monitor thousands of open data repositories used by researchers.
- Using manual data tracking tools creates a lot of extra work for institutions

~90%

of public research data is hosted on external repositories

~10%

of public research data is hosted on institutional repositories

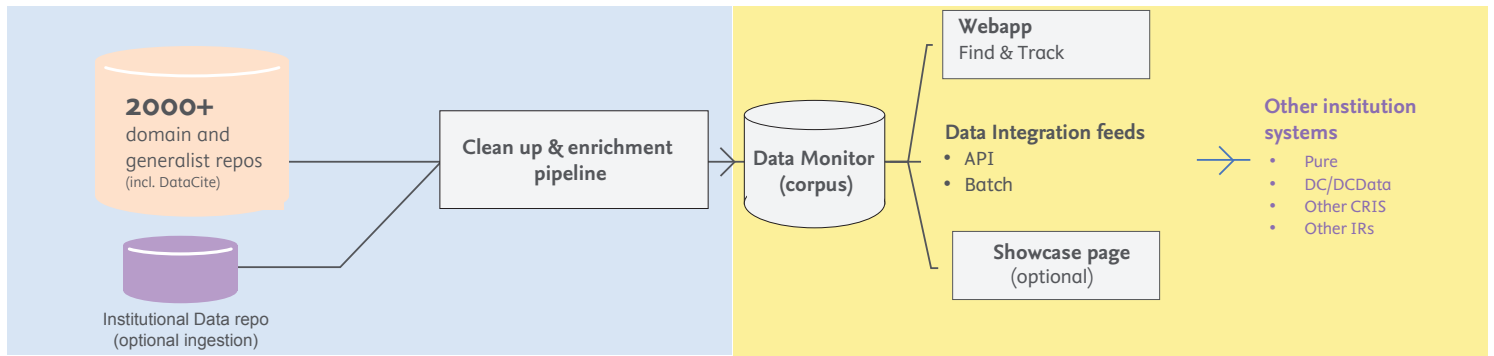


*Finding research data manually takes time – it's not sustainable. Data Monitor has automated the process, which is a huge step forward for us. And the link between Data Monitor and Pure is key."*

- Christina Elsenga,  
Scientific Information Specialist,  
University of Groningen Library,  
The Netherlands



# How Data Monitor Works



## How we track the Research Data

- **Harvest** metadata from 2000+ repos
  - Optional: ingest the Institutional Data Repository
- **Normalize** metadata (OpenAIRE schema)
- **Clean-up** i.e. remove duplicates, non-research data e.g. articles
  - How: ML techniques, integration w/ Scopus, experts
- **Enrich** metadata with publications/ author / institution
  - How: NLP techniques; integration w/ Scopus, Scholix, DataCite

## What users see and get:

- Webapp
- Data Integration feeds
  - API
  - Bulk
- Optional: Showcase page

## API integration

- Continue using your standard approval processes via CRIS and other institutional systems.
- Integrate with your RIMS, CRIS and IR for research data reporting and showcasing.

## Research data organization and reporting

- Easily monitor compliance with funder mandates and your institution's RDM policy.
- Keep track of evolving funder policies to inform your institution's future policies.



## Advanced data search

- Compare and benchmark your research data output with other institutions.
- Understand faculty use of external resources, and improve the data lifecycle support for your researchers.

## Research data showcasing

- Improve grant application outcomes by promoting your institution's public research data output.
- Monitor global research data output and trends across repositories, institutions and disciplines.



## Data Monitor

Learn more at

[www.elsevier.com/solutions/data-monitor](http://www.elsevier.com/solutions/data-monitor)

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