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

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 Eisenga, Scientific Information Specialist, University of Groningen Library, The Netherlands

~90% of public research data is hosted on external repositories
~10% of public research data is hosted on institutional repositories
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.

Key benefits for institutions
- 2000+ domain and generalist repos (incl. DataCite)
- Institutional Data repo (optional ingestion)
- Data Monitor (corpus)
- Data Integration feeds
  - API
  - Batch
- Webapp
  - Find & Track
- Other institution systems
  - Pure
  - DC/DCData
  - Other CRIS
  - Other IRs
- Webapp
  - Find & Track
- Other institution systems
  - Pure
  - DC/DCData
  - Other CRIS
  - Other IRs

Data Monitor
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