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HYRAX


FLEXIBLE, SCALABLE REPOSITORIES FOR
COMPLEX RESEARCH WORKFLOWS


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WHAT IS HYRAX



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MAKE THE MOST OF YOUR DATA

Hyrax is an open source repository platform built on the **Samvera framework**, designed to help organisations manage, preserve, and share research data.

Flexible workflows



Create and manage repository content with configurable workflows that match your research processes.

Rich metadata



Support complex metadata and structures to organise, describe, and make research outputs discoverable.

Extensible features



Enable features through the admin dashboard or extend functionality with plugins and integrations.

Research infrastructure



Use as a standalone repository or integrate with wider systems and services.

WHY HYRAX

Open source and customisable



Complete transparency and freedom to tailor the platform to your needs.

Backed by a global community



Join an active community driving continuous improvement.

Ready for complex data



Manage diverse data types and rich metadata with confidence.

Built to scale



Built to handle growing data and complex demands.

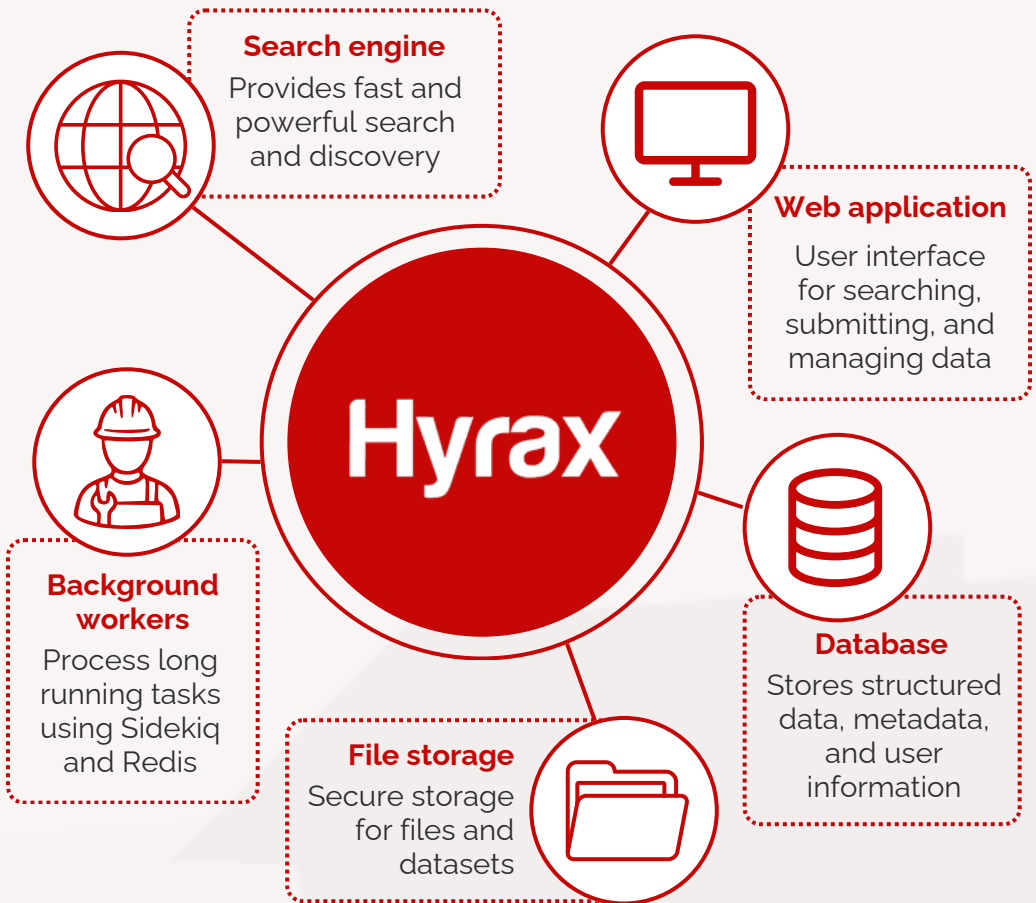
HOW HYRAX WORKS



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MAKE THE MOST OF YOUR DATA

Hyrax is built as a modular system, designed to handle data, workflows, and background processing efficiently.



This architecture ensures **reliable performance**, even with large and complex datasets.

IN PRACTICE RUB



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MAKE THE MOST OF YOUR DATA



We partnered with Ruhr University Bochum to deliver a flexible research data repository, built on Hyrax, supporting multiple disciplines and a future shared service across Germany.

THE CHALLENGE

RUB needed more than a standard repository. With multiple research centres across disciplines, each with unique data and workflows, off-the-shelf solutions could not deliver the flexibility or control required.

The platform also needed to support complex metadata, structured data, and scale as a shared service for other universities.

WHAT WE DID

- Implemented Hyrax to create a flexible, community-focused repository
- Built multi step submission and approval workflows
- Introduced structured storage with scalable S3 integration
- Developed tailored datasets, search, and user interfaces
- Provided ongoing development and long term support

THE IMPACT

- **A flexible platform that supports diverse research needs**
- **Improved efficiency and reliability across research workflows**
- **Greater visibility and control over research data**
- **A foundation for a shared, sustainable service for the future**

IN PRACTICE

NIMS



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MAKE THE MOST OF YOUR DATA



The National Institute for Materials Science (NIMS) produces complex research data.

Cottage Labs partnered with NIMS to deliver a Hyrax repository supporting metadata, discovery, authentication, and persistent identifiers for research datasets.

THE CHALLENGE

NIMS needed a digital repository capable of managing highly diverse and complex research data produced across multiple laboratories and scientific instruments.

The platform needed to support rich metadata, large scale datasets, and improved discoverability to maximise long term research value and reuse.

WHAT WE DID

- Built a scalable Hyrax research repository
- Supported complex materials science data models
- Integrated vocabularies and discovery tools
- Connected authentication and identifier systems
- Provided ongoing support and development

THE IMPACT

- **Created a national-scale research data repository**
- **Improved discovery and reuse of scientific datasets**
- **Delivered scalable infrastructure for future growth**
- **Supported long term research sustainability**

GET IN TOUCH



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MAKE THE MOST OF YOUR DATA

Whether you're starting a new repository or improving an existing system, we can help you design, build, and support a Hyrax platform **tailored to your needs.**



CONTACT



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