

Maintaining reproducible data workflows while keeping data in sync, backed up, and easily accessible from within and outside the lab is a key challenge in research. To minimize time and effort scientists have to spend on these tasks, we provide a suite of tools designed for comprehensive and versioned management of scientific data including convenient storage of data, analysis and metadata annotation for easy reproducibility, data sharing and re-usability.



Collect and manage all information about your experiment

Main features

- Open metadata format [1]
- Flexible hierarchical key-value storage
- Save to common structured formats: XML, JSON, YAML
- Template system for reusable metadata structures
- Terminology repository [2] for reusable definitions

- GUI editor [3]
- Available for macOS and Linux
- Cross-document drag-and-drop for metadata subtrees
- Export to RDF retaining your own terms
- Query metadata using semantic web technologies
- Search cross document via SPARQL queries



Manage data and metadata together in an open, versatile format

Main features

- Open data format
- Store data, analysis results, and metadata conveniently in the same file
- Descriptive associations between data, analysis results, and metadata



- Free open source libraries for multiple programming languages: C++ [4], Python [5], Matlab [6], Java [7]
- NIX IO for Neo [8]
- Enables interoperability with Neo compatible tools, e.g., the Elephant toolkit [9]
- NIXView [10] Cross-platform GUI



Secure data storage, easy collaboration and publication

Main features

- Access data from any location
- Free storage for scientific data [11]
- Built in versioning (built on git [12])

- Platform independent
- Secure access
- Public and private repositories
- Citable data by DOIs

