

+ author: String

+ version: String + date: DateTime

+ repository: URI

+ sections: Section[]

public SPARQL

meta.g-node.org

Queries

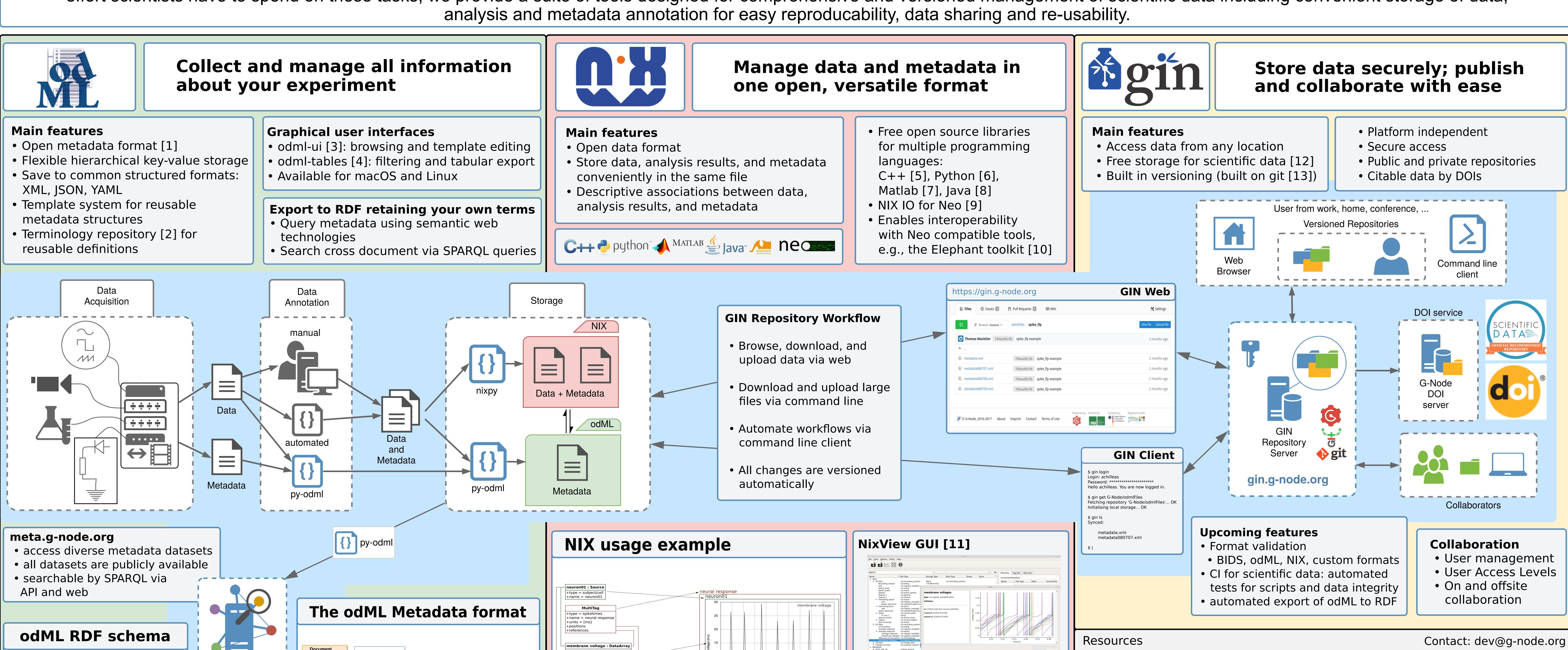
## Achieving reproducible data workflows: Lightweight tools for safe and efficient data management

LUDWIG-MAXIMILIANS-UNIVERSITÄT

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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 reproducability, data sharing and re-usability.



spike response : DataArra

+name = spike response

+sampling\_interval = 0.5 +offset = 0.0

 Windows, macOS and Linux Convenient exploration of data and metadata of NIX files

- Browse raw data via tabular
- display and export to CSV

[10] http://neuralensemble.org/elephant Built in plotting and figure export [11] http://bendalab.github.io/NixView [12] https://gin.g-node.org

[1] Grewe et al (2011), doi:10.3389/fninf.2011.00016

[4] https://github.com/INM-6/python-odmltables

[3] https://github.com/G-Node/odml-ui

[5] https://github.com/G-Node/nix

[9] http://neuralensemble.org/neo

[6] https://github.com/G-Node/nixpy

[7] https://github.com/G-Node/nix-mx

[8] https://github.com/G-Node/nix-java

[2] http://www.g-node.org/projects/odml/terminologies

[13] https://git-scm.com

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