

# Efficient research data management for reproducible research, collaboration and data publication

GIN research data hosting service

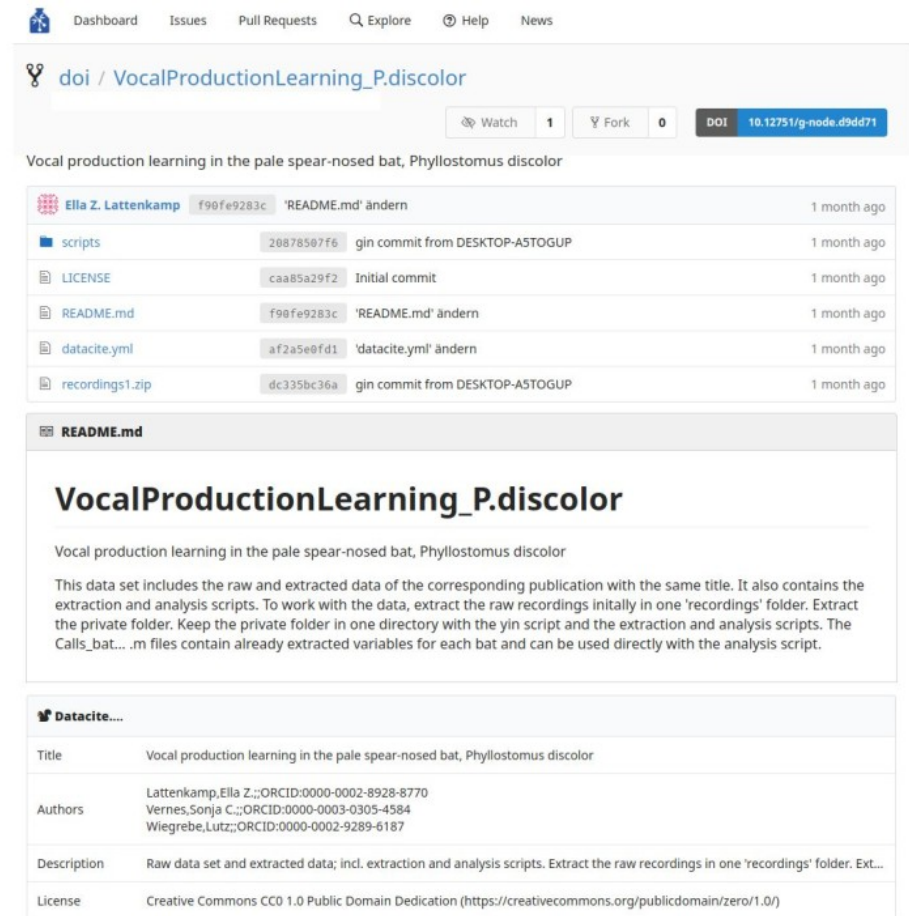
NIX neuroscience data format

odML metadata format

## Research data platform

### Features

- Version control for data
- Secure access
- Convenient data sharing
- Public/private repositories
- Web or command line access
- Available for local set up
- Data publication (DOI)



Dashboard Issues Pull Requests Q Explore Help News

doi / VocalProductionLearning\_P.discolor

Watch 1 Fork 0 DOI 10.12751/g-node.d9dd71

Vocal production learning in the pale spear-nosed bat, *Phyllostomus discolor*

File	Commit	Message	Time
scripts	20878507f6	gin commit from DESKTOP-ASTOGUP	1 month ago
LICENSE	caa85a29f2	Initial commit	1 month ago
README.md	f90fe9283c	'README.md' ändern	1 month ago
datacite.yml	af2a5e0fd1	'datacite.yml' ändern	1 month ago
recordings1.zip	dc335bc36a	gin commit from DESKTOP-ASTOGUP	1 month ago

**README.md**

### VocalProductionLearning\_P.discolor

Vocal production learning in the pale spear-nosed bat, *Phyllostomus discolor*

This data set includes the raw and extracted data of the corresponding publication with the same title. It also contains the extraction and analysis scripts. To work with the data, extract the raw recordings initially in one 'recordings' folder. Extract the private folder. Keep the private folder in one directory with the yin script and the extraction and analysis scripts. The Calls\_bat... .m files contain already extracted variables for each bat and can be used directly with the analysis script.

**Datacite....**

Field	Value
Title	Vocal production learning in the pale spear-nosed bat, <i>Phyllostomus discolor</i>
Authors	Lattenkamp, Ella Z.; ORCID:0000-0002-8928-8770 Vernes, Sonja C.; ORCID:0000-0003-0305-4584 Wiegreb, Lutz; ORCID:0000-0002-9289-6187
Description	Raw data set and extracted data; incl. extraction and analysis scripts. Extract the raw recordings in one 'recordings' folder. Ext...
License	Creative Commons CC0 1.0 Public Domain Dedication ( <a href="https://creativecommons.org/publicdomain/zero/1.0/">https://creativecommons.org/publicdomain/zero/1.0/</a> )

Service recommended by



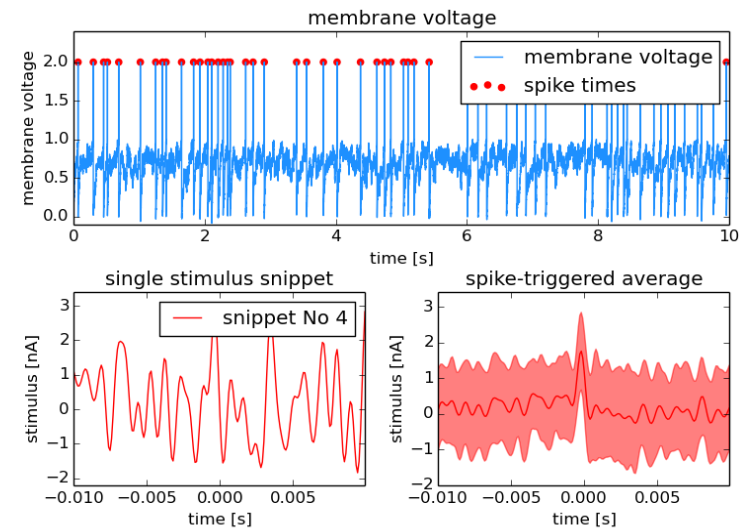
<https://gin.g-node.org>



# NIX and odML

- flexible data model for various types of data
- data and metadata in the same file
- descriptive association between data and metadata
- ideal for workflow automation
- rich ecosystem
  - C++, Python, Matlab
  - Graphical user interface
  - Used in community libraries

Data and analysis results organized together in one NIX file

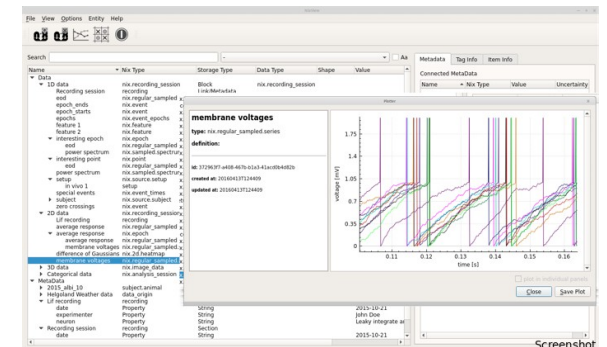


<http://neuralensemble.org/neo>



<https://mne.tools>

<http://bendalab.github.io/NixView>



# Get in touch

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Discover more on our Poster

Efficient research data management for reproducible research, collaboration and data publication

email us at

[info@g-node.org](mailto:info@g-node.org)

Find out more about our projects

<https://gin.g-node.org/Info/wiki>

<https://g-node.github.io/nix>

<https://g-node.github.io/python-odml>