# How the Netherlands eScience Center uses CFF to promote software citation Jurriaan H. Spaaks

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#### Who are we?



#### We are driven by challenges faced by academic researchers

### Our projects in 2017

Environment & Sustainabilit
Life Sciences & eHealth
Humanities & Social Science
Physics & Beyond

Danmarks University of Exeter Meteorologiske Institut VU University Medical Center CICERO Noorwegen VU University Amsterdam University of Groningen University of Amsterdam **ASTRON** Netherlands eScience Center CWI NIKHEF University of Twente Leiden University Wageningen University Delft University of Technology **VLPB** University Medical Center Utrecht Surfnet KNMI Tilburg University Utrecht University Eindhoven University of Technology Open University Heerlen MAASTRO Clinic

Jniversity of Exeter

Danmarks Meteorologisk*e* 

veger

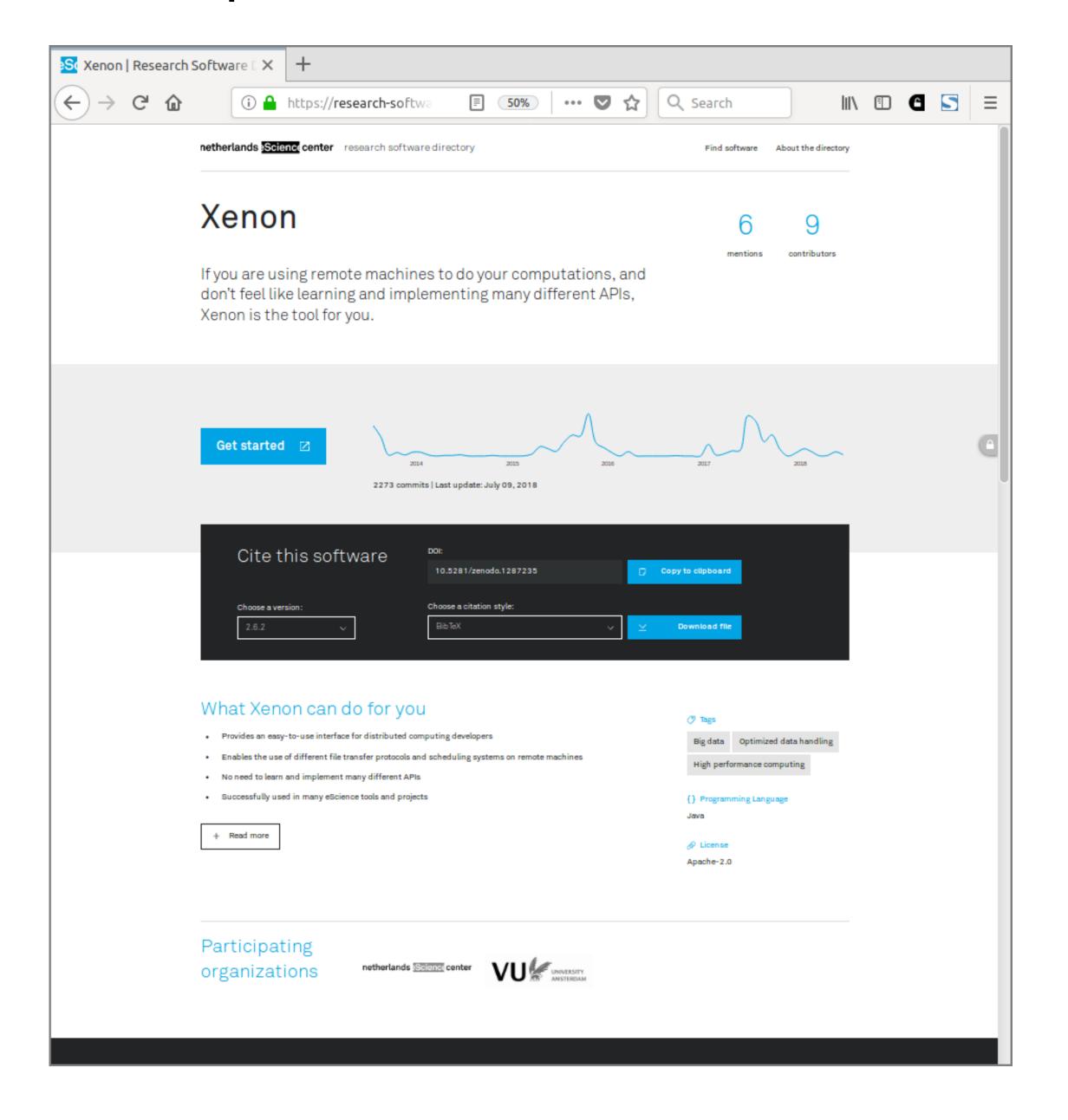
### Research Software Directory

- content management system for software
- https://research-software.nl
- improves findability
- citation

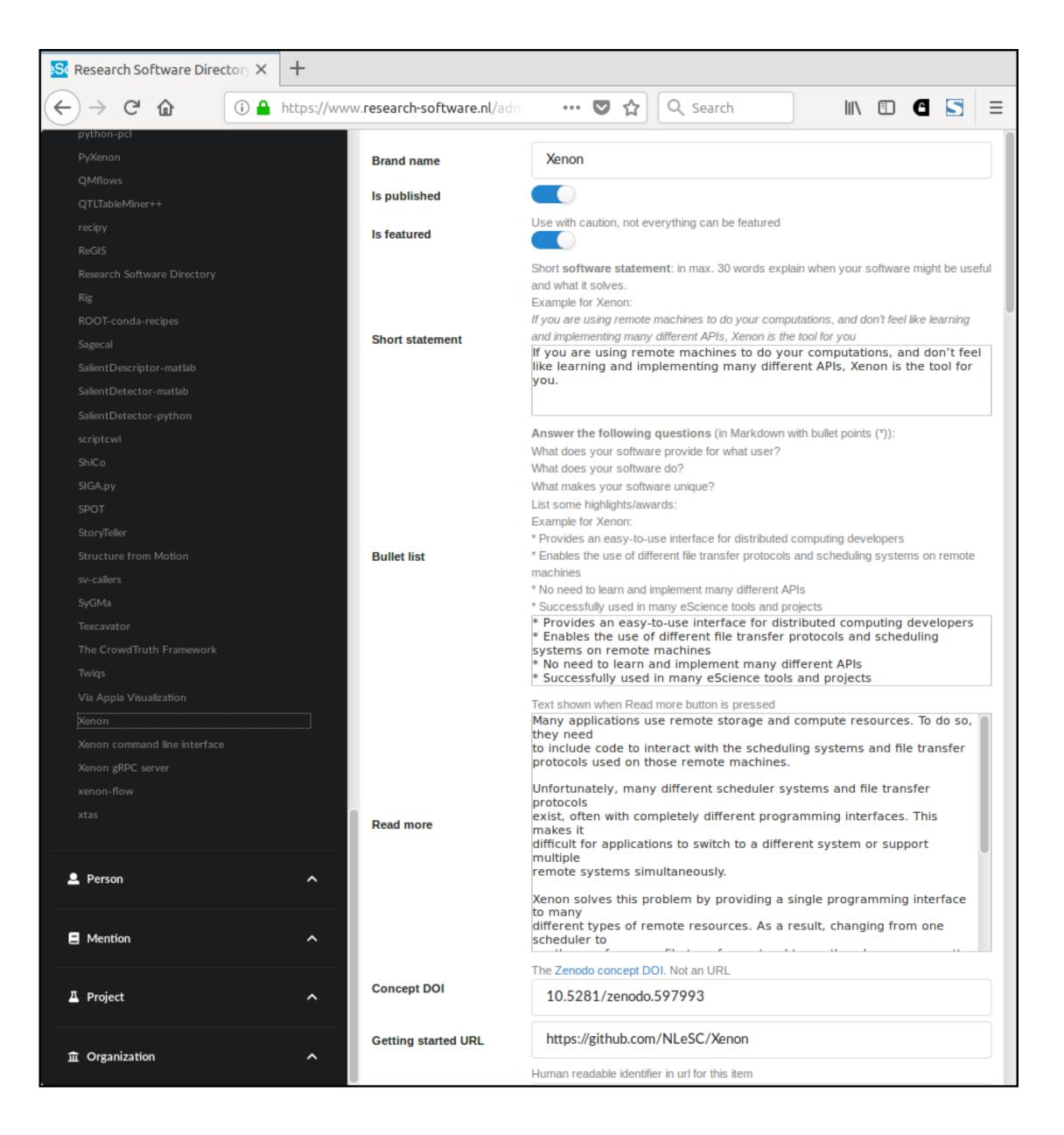
Set up your own Research Software Directory:

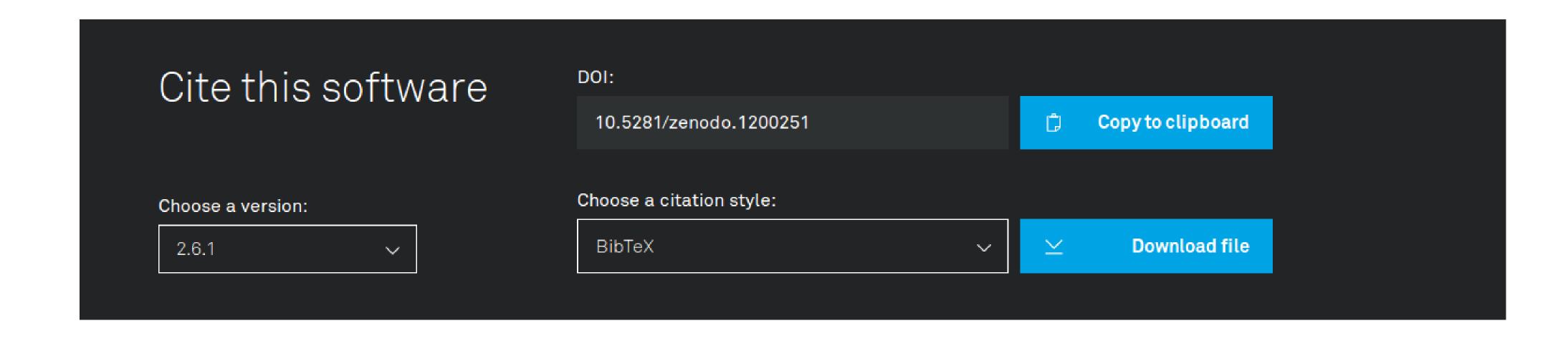
•github.com/research-software-directory/research-software-directory

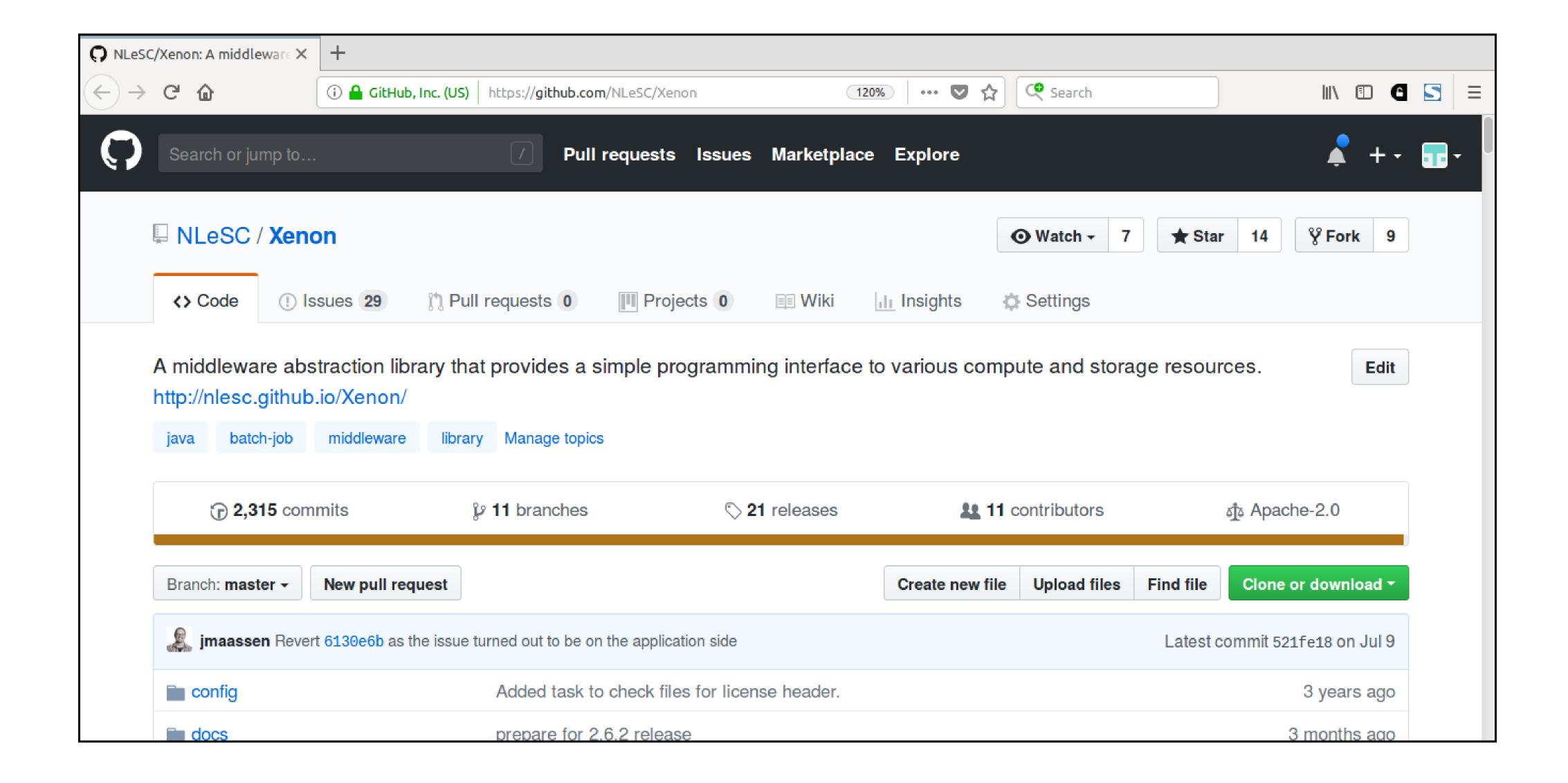
### https://research-software.nl

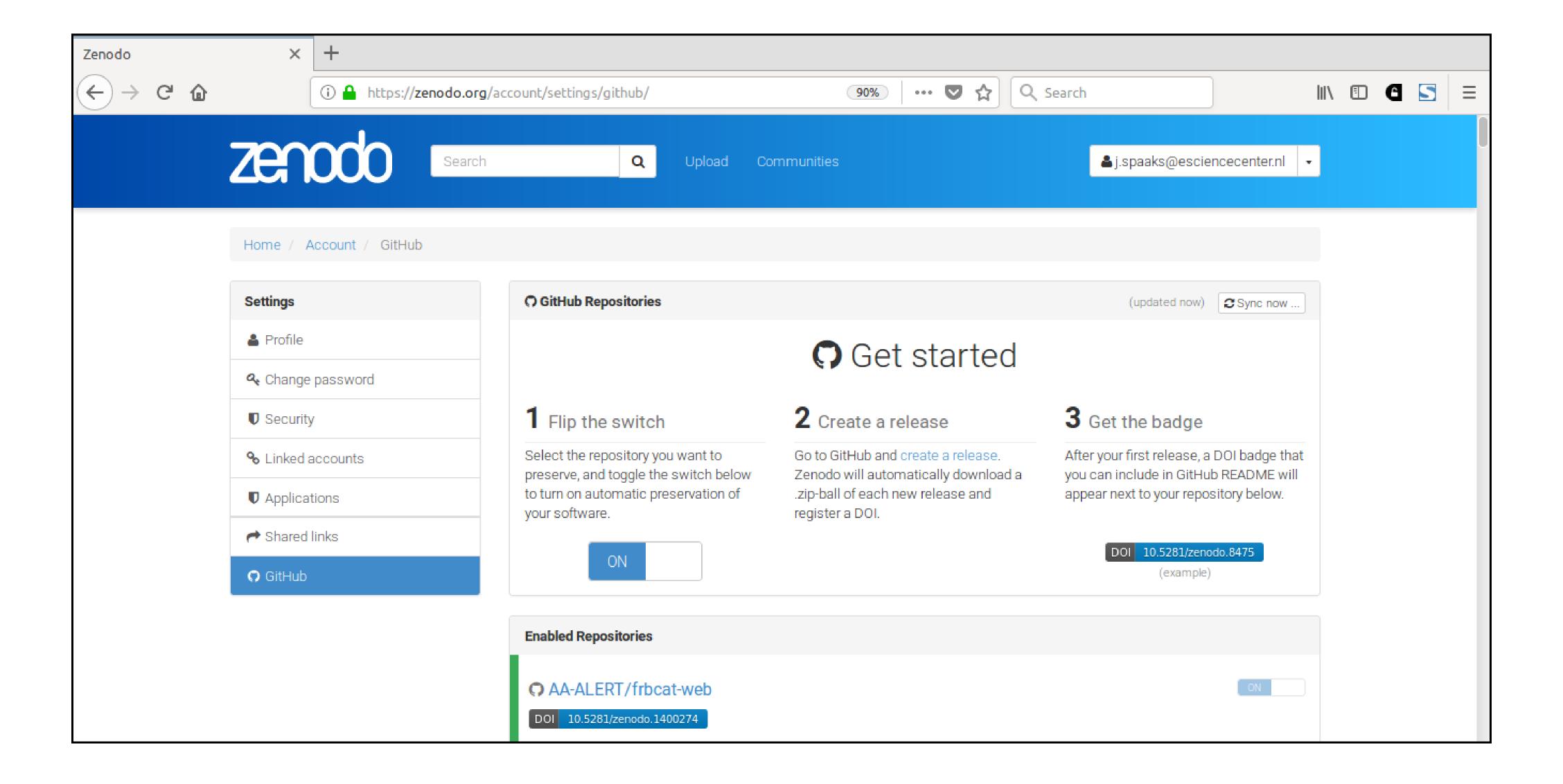


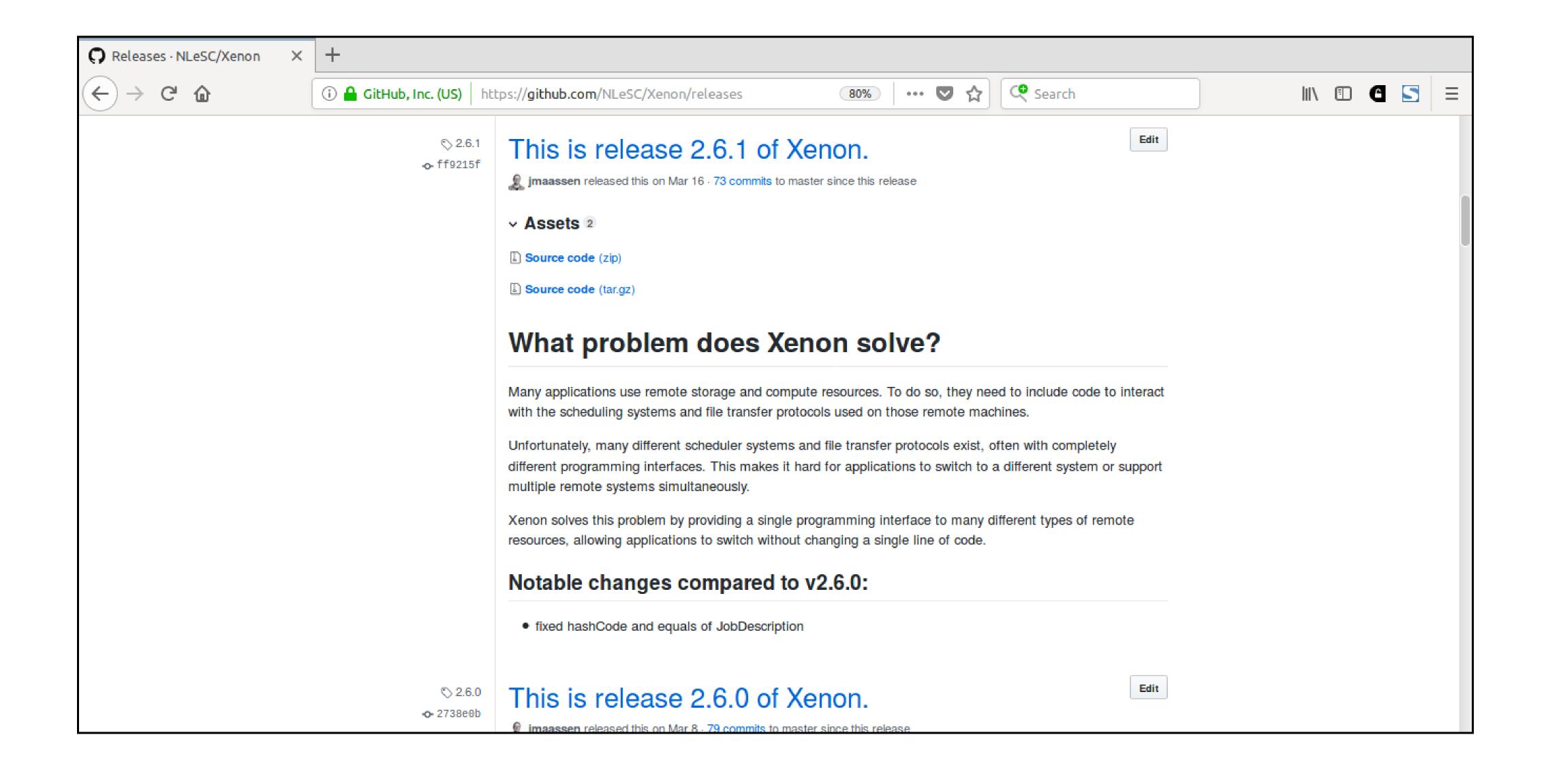
### admin interface

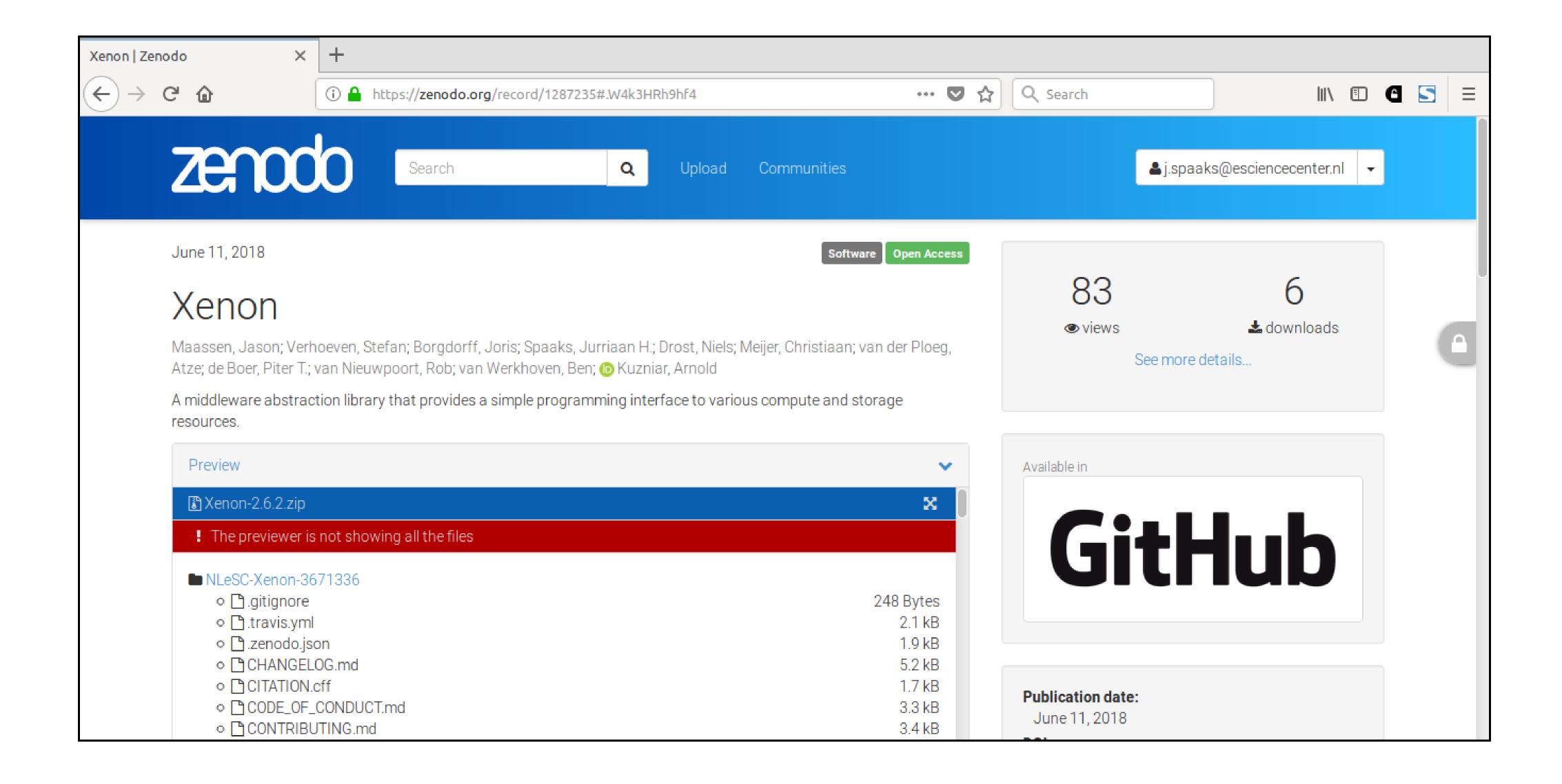


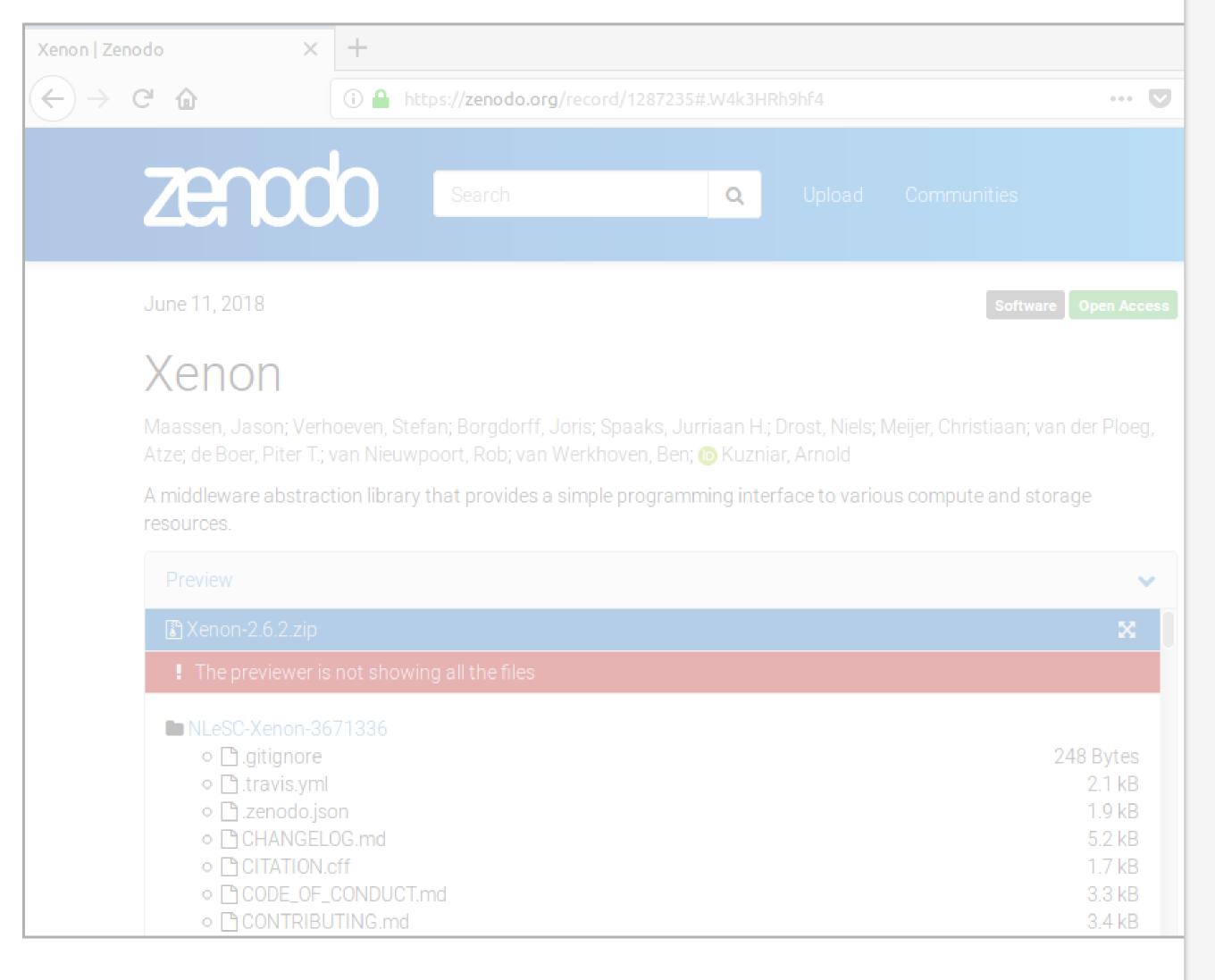








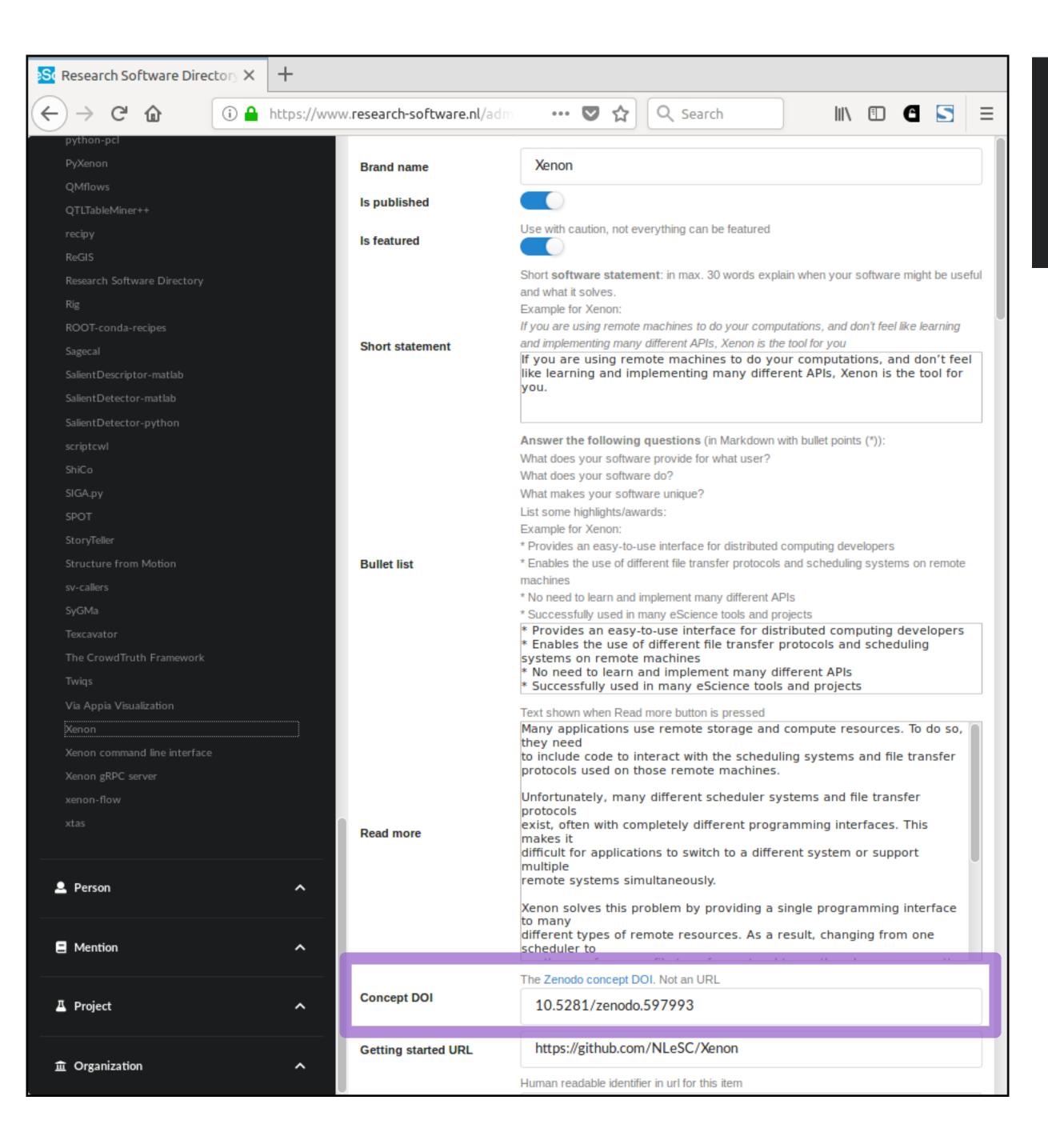


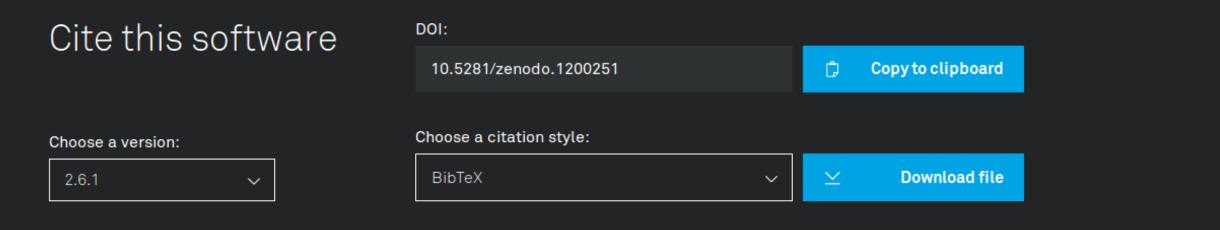


#### Versions

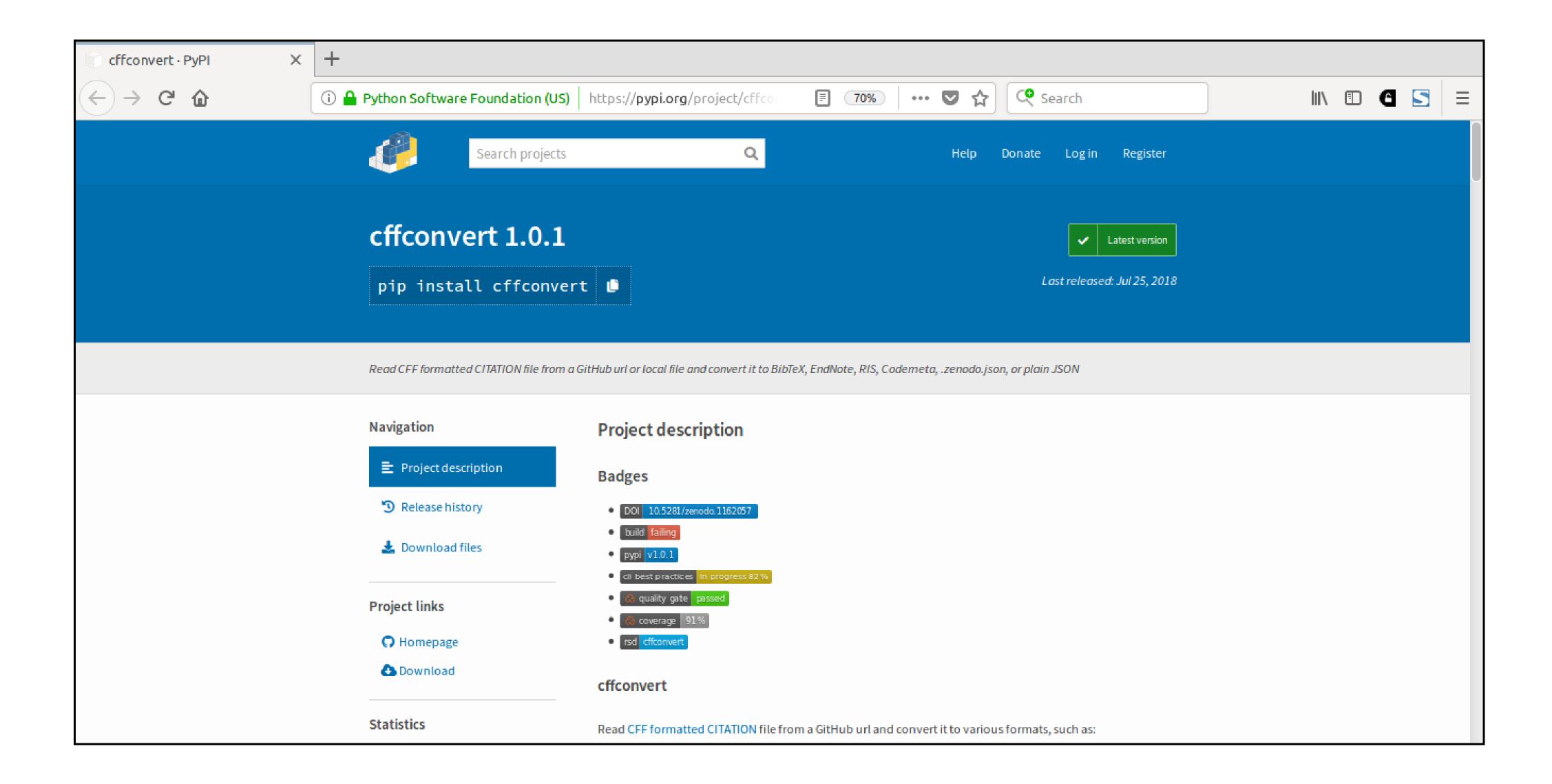
Version 2.6.2	Jun 11,
10.5281/zenodo.1287235	2018
Version 2.6.1	Mar 16,
10.5281/zenodo.1200251	2018
Version 2.6.0 10.5281/zenodo.1194353	Mar 8, 2018
Version 2.5.0 10.5281/zenodo.1188072	Mar 3, 2018
Version 2.4.1	Feb 27,
10.5281/zenodo.1185115	2018

Cite all versions? You can cite all versions by using the DOI 10.5281/zenodo.597993. This DOI represents all versions, and will always resolve to the latest one. Read more.





- 1)code is on GitHub
- 2)GitHub-Zenodo integration to mint DOIs whenever we make a release.
- 3)Research Software Directory has an Admin interface, provides concept DOI
- 4)scraper asks Zenodo for the associated versioned DOIs
- 5) scraper then visits the links for each,
  - -looks for a CITATION.cff
  - -checks if it's valid
  - -generates BibTeX, EndNote, RIS



#### cffconvert

installation

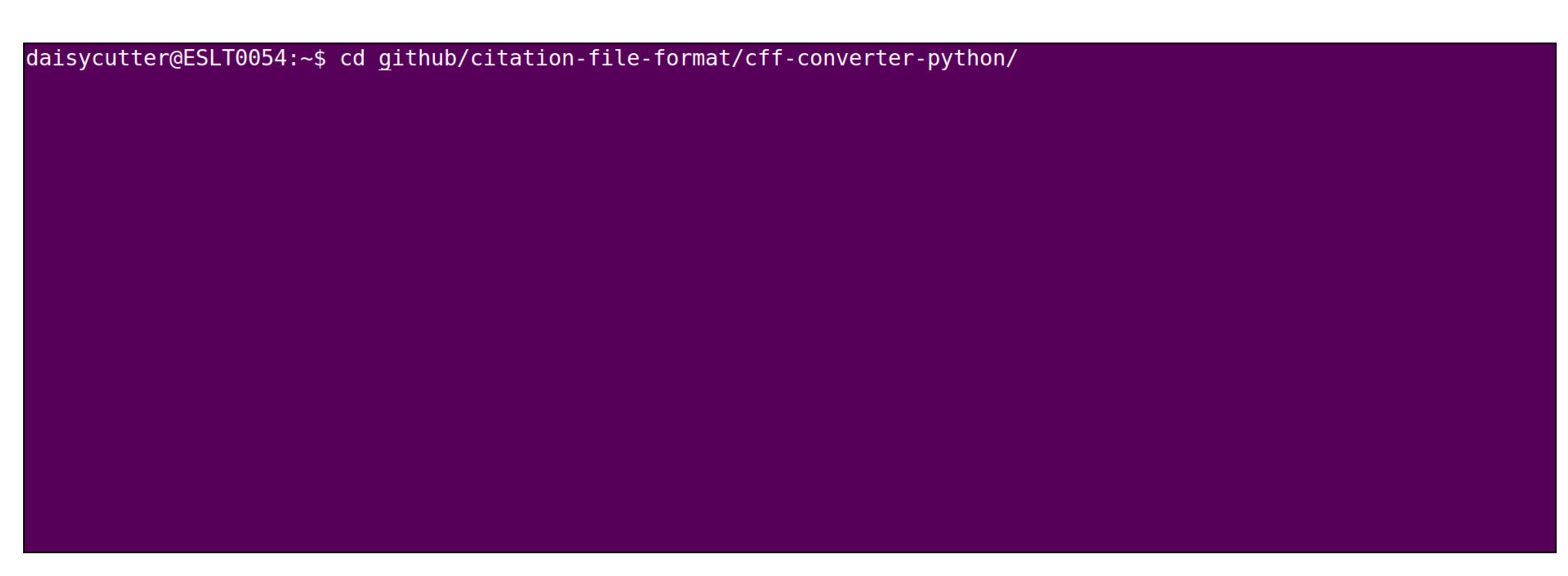


### show help

```
daisycutter@ESLT0054:~$ cffconvert --help
Usage: cffconvert [OPTIONS]
Options:
  -if, --infile TEXT
                              Path to the CITATION.cff input file.
  -of, --outfile TEXT
                              Path to the output file.
                              Output format: bibtex|cff|codemeta|endnote|ris|zenodo
  -f, --outputformat TEXT
                              URL of the repo containing the CITATION.cff (currently only github.com is supported;
  -u, --url TEXT
                              may include branch name, commit sha, tag name). For example:
                               'https://github.com/citation-file-format/cff-converter-python' or
                               'https://github.com/citation-file-format/cff-converter-python/tree/master'
                              Validate the CITATION.cff found at the URL or supplied through '--infile'
  --validate
                              If True, ignore any keys from CITATION.cff that are likely out of date, such as
  -ig, --ignore-suspect-keys
                               'commit', 'date-released', 'doi', and 'version'.
                              Provide feedback on what was entered.
  --verbose
  --version
                              Print version and exit.
  --help
                              Show this message and exit.
daisycutter@ESLT0054:~$
```

#### cffconvert

cd to an actual repository with CITATION.cff



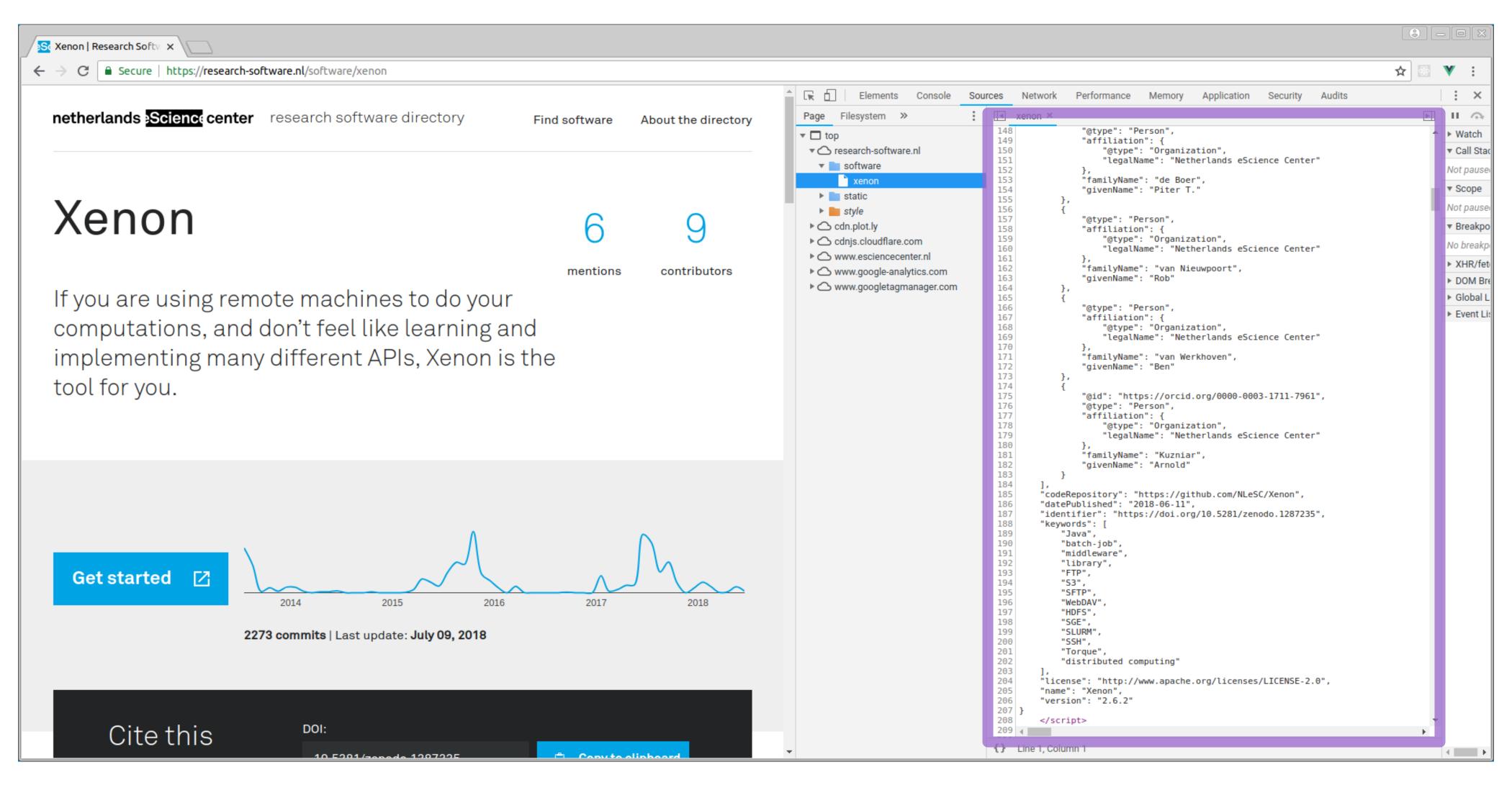
cd to an actual repository with CITATION.cff

```
daisycutter@ESLT0054:\sim/github/citation-file-format/cff-converter-python\$ ls -1
cffconvert
cffconvert.egg-info
CHANGELOG.rst
CITATION.cff
codemeta.json
CONTRIBUTING.md
coverage.xml
fixtures
LICENSE
livetest
MANIFEST.in
pytest.ini
README.rst
requirements-dev.txt
requirements.txt
setup.py
sonar-project.properties
test
daisycutter@ESLT0054:~/github/citation-file-format/cff-converter-python$
```

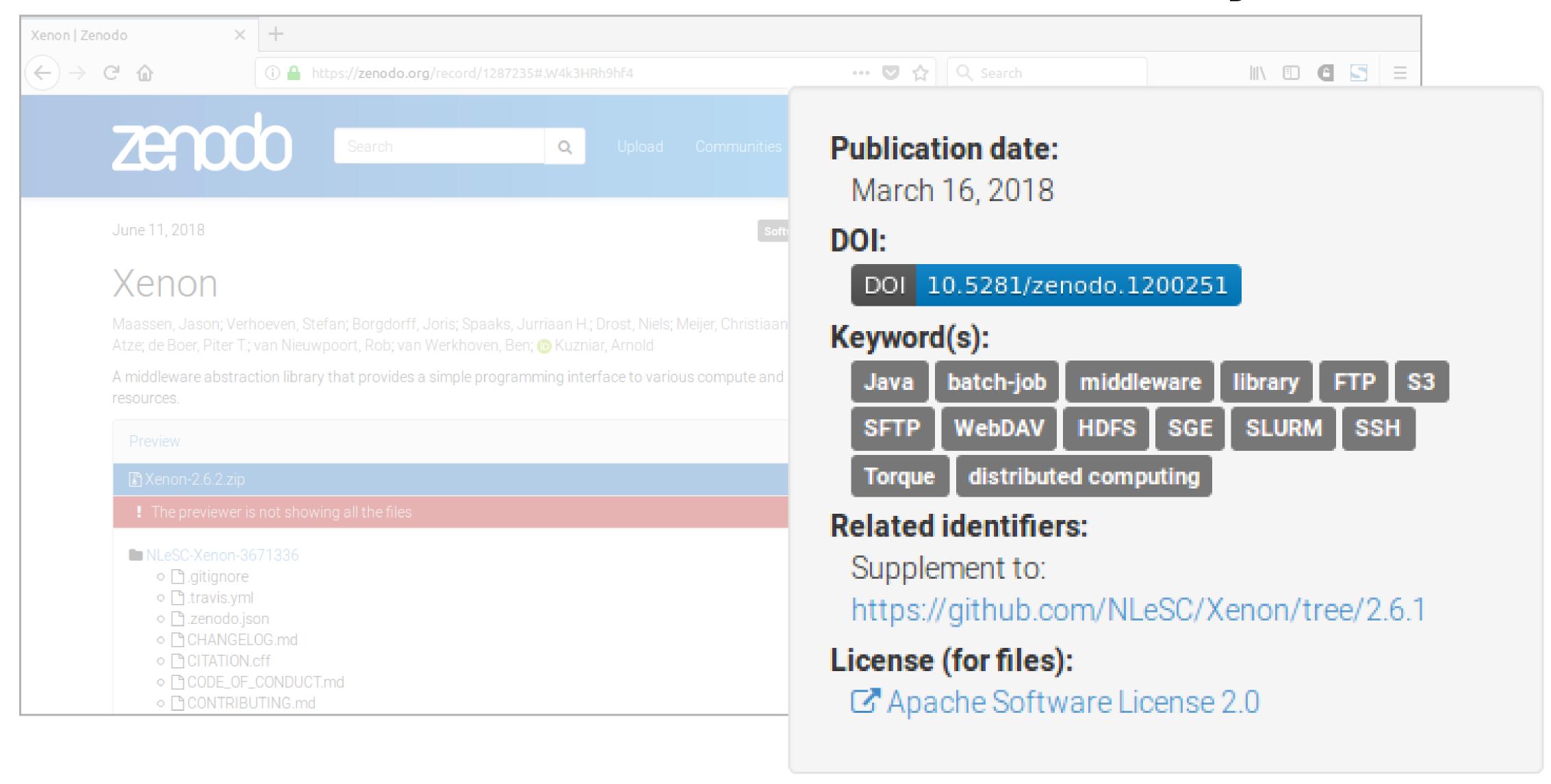
Output the metadata from CITATION.cff as BibTeX (and other formats)

```
daisycutter@ESLT0054:~/github/citation-file-format/cff-converter-python$ cffconvert -f bibtex
@misc{YourReferenceHere,
author = {
            Jurriaan H. Spaaks and
            Tom Klaver and
            Stefan Verhoeven and
            Stephan Druskat
title
      = {cffconvert},
       = \{7\},
month
       = \{2018\},
year
       = \{10.5281/zenodo.1162057\},
doi
url
       = {https://github.com/citation-file-format/cff-converter-python}
daisycutter@ESLT0054:~/github/citation-file-format/cff-converter-python$ _
```

### codemeta



### .zenodo.json



## Let's stay in touch

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M blog.esciencecenter.nl

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in linkd.in/1j2uS8S

### Questions?

- Research Software Directory
- cffconvert





