

Lars Holm Nielsen

CERN/IT

<https://orcid.org/0000-0001-8135-3489>

zenodo

&



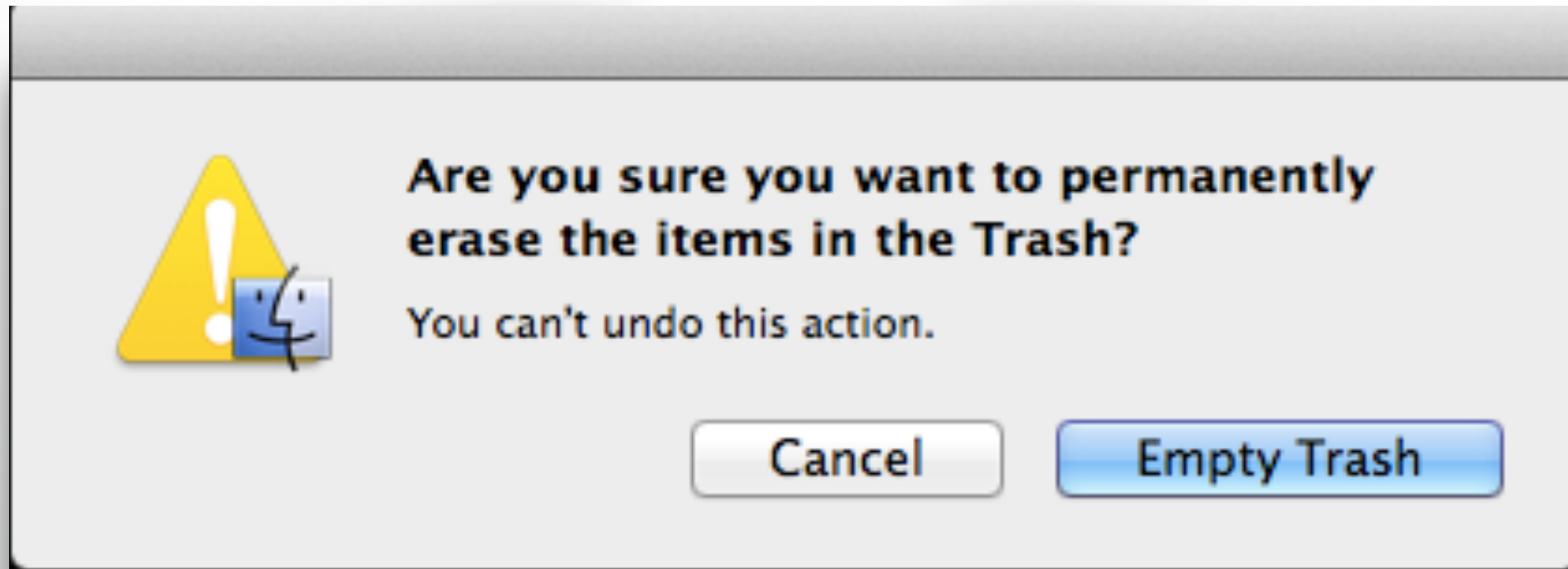
DataCite Annual Conference, 2014, 25 August 2014, Nancy





DataCite Annual Conference, 2014, 25 August 2014, Nancy







# Archiving

# Crediting

Publish  
or  
perish  
perish

# 20%

store data in a  
digital archive



# 1.000.000(.000) GBs

Long tail of science

CERN  
archive

It doesn't exist,

if it's not in an archive

if it's not in an archive

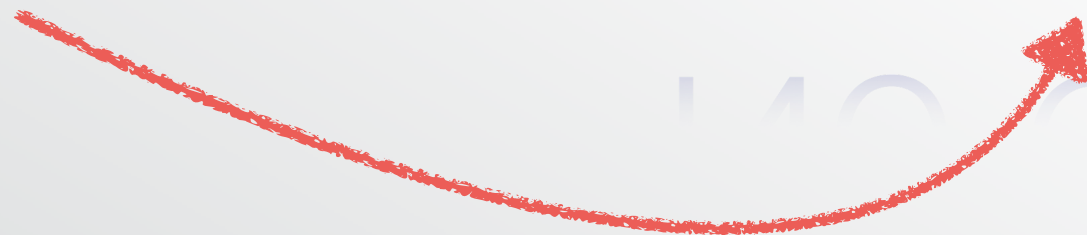
# Hard

# No Credit

# Hard

# No Credit

Data journals





Hard

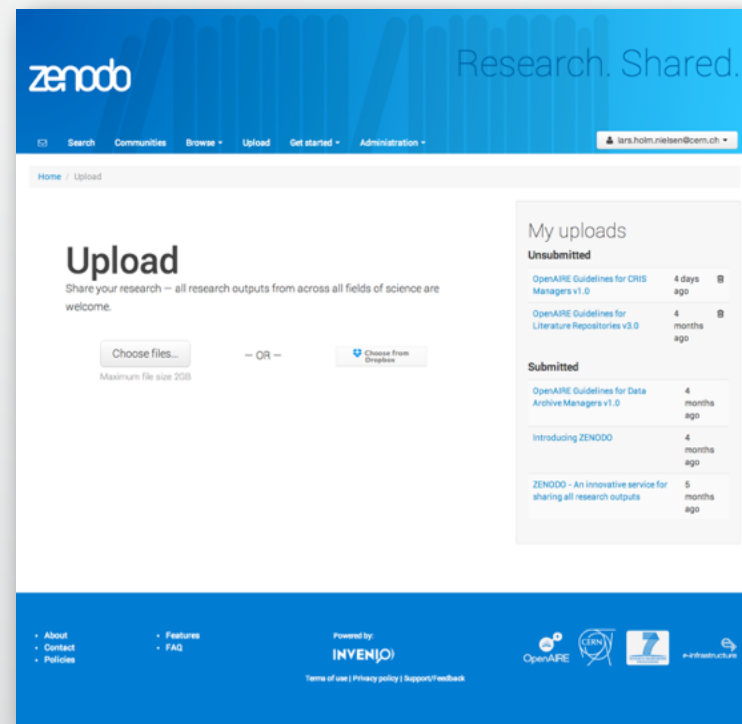
No Credit

Data journals

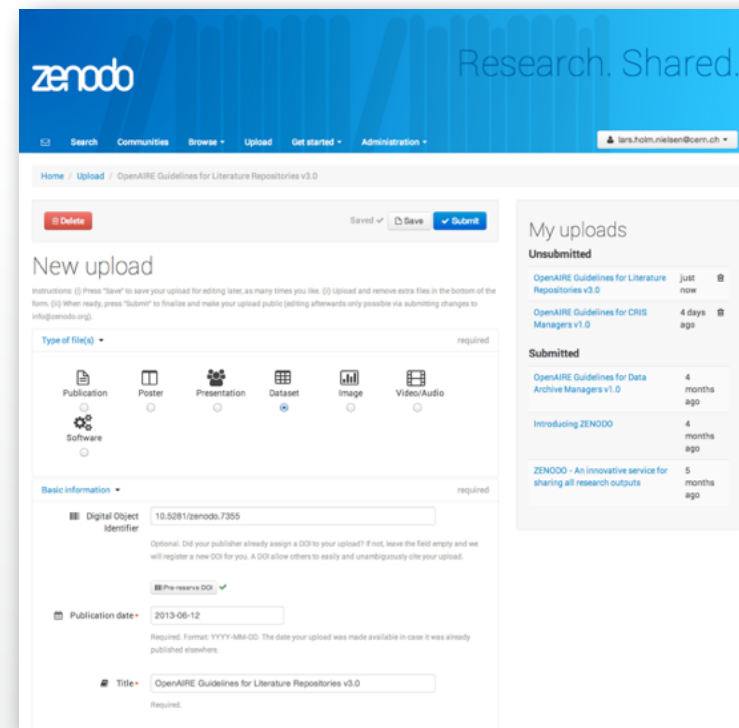
# First step:

# Capture content

# Upload




# Describe




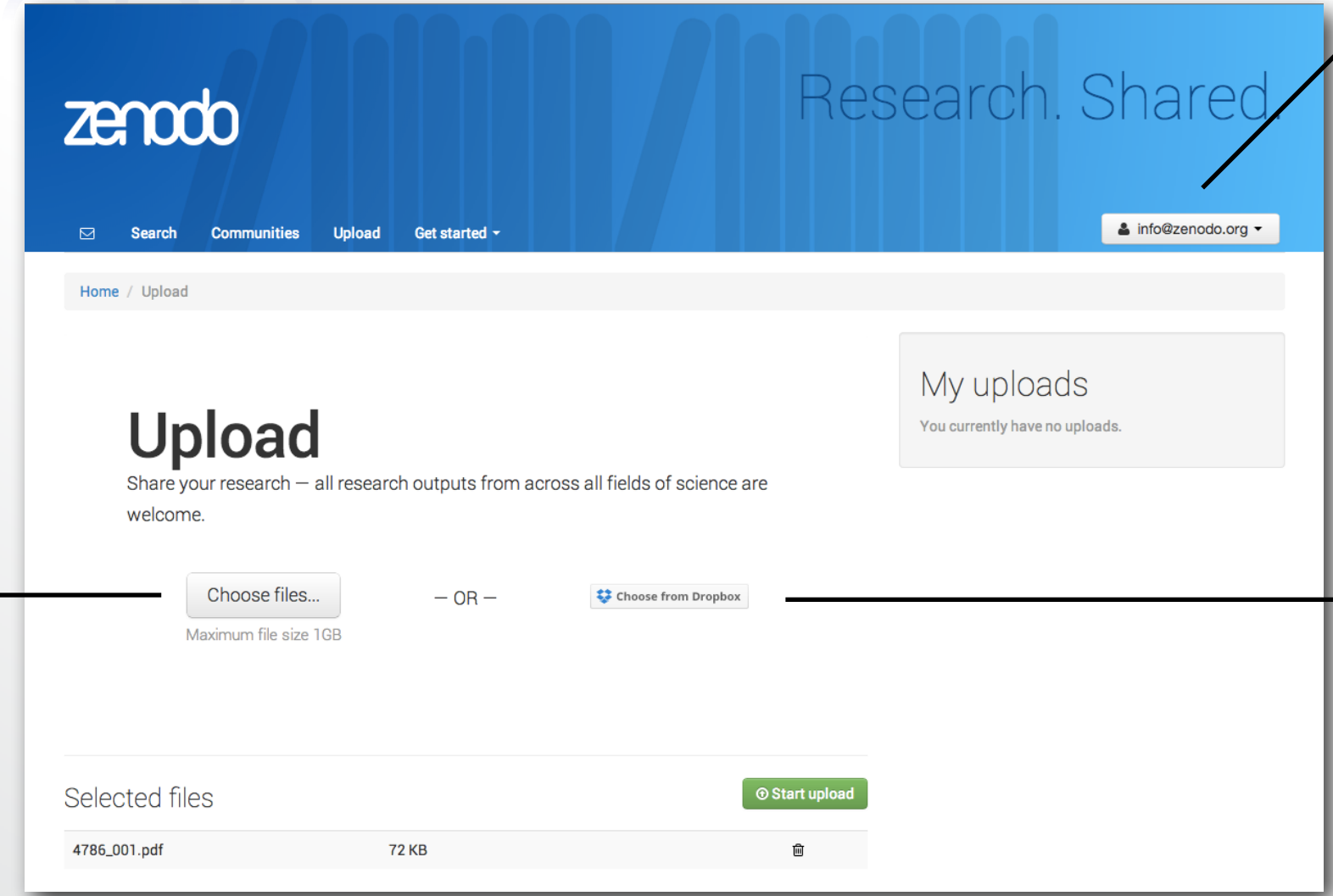
# Publish



# Upload

 Sign in with GitHub

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The screenshot shows the Zenodo 'Upload' page. At the top, there's a blue header with the Zenodo logo and 'Research. Shared'. Below the header is a navigation bar with 'Search', 'Communities', 'Upload', and 'Get started'. The main content area has a breadcrumb 'Home / Upload'. The title 'Upload' is followed by the text 'Share your research — all research outputs from across all fields of science are welcome.' Below this, there are two buttons: 'Choose files...' (with 'Maximum file size 1GB' below it) and 'Choose from Dropbox'. A green 'Start upload' button is visible. At the bottom, there's a 'Selected files' table with one entry: '4786\_001.pdf' (72 KB).

Choose files...

Maximum file size 2GB




## Dropbox


Choose from Dropbox

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# Upload

 Sign in with GitHub

 Sign in with ORCID

**Choose files...**

**Maximum file size 2GB**


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My uploads  
You currently have no uploads.

Choose from Dropbox

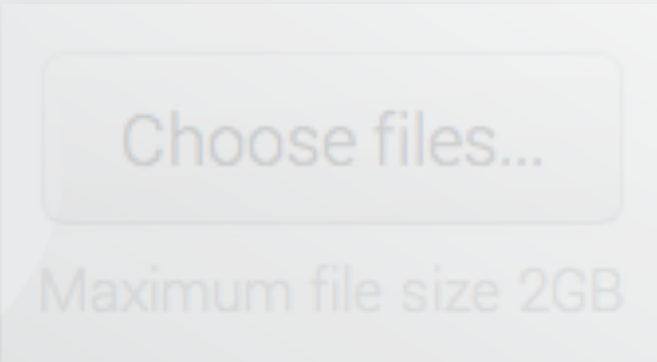
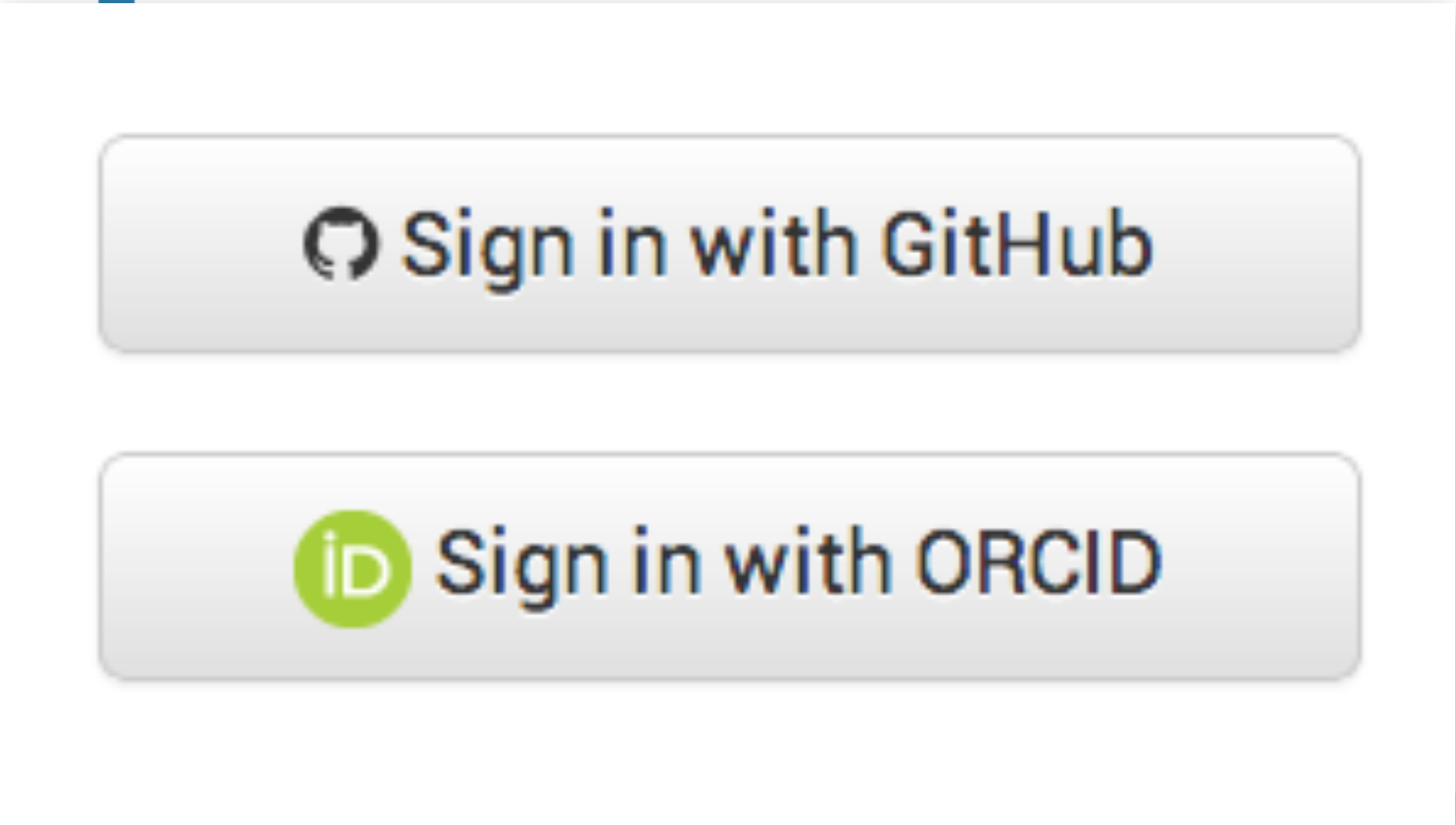
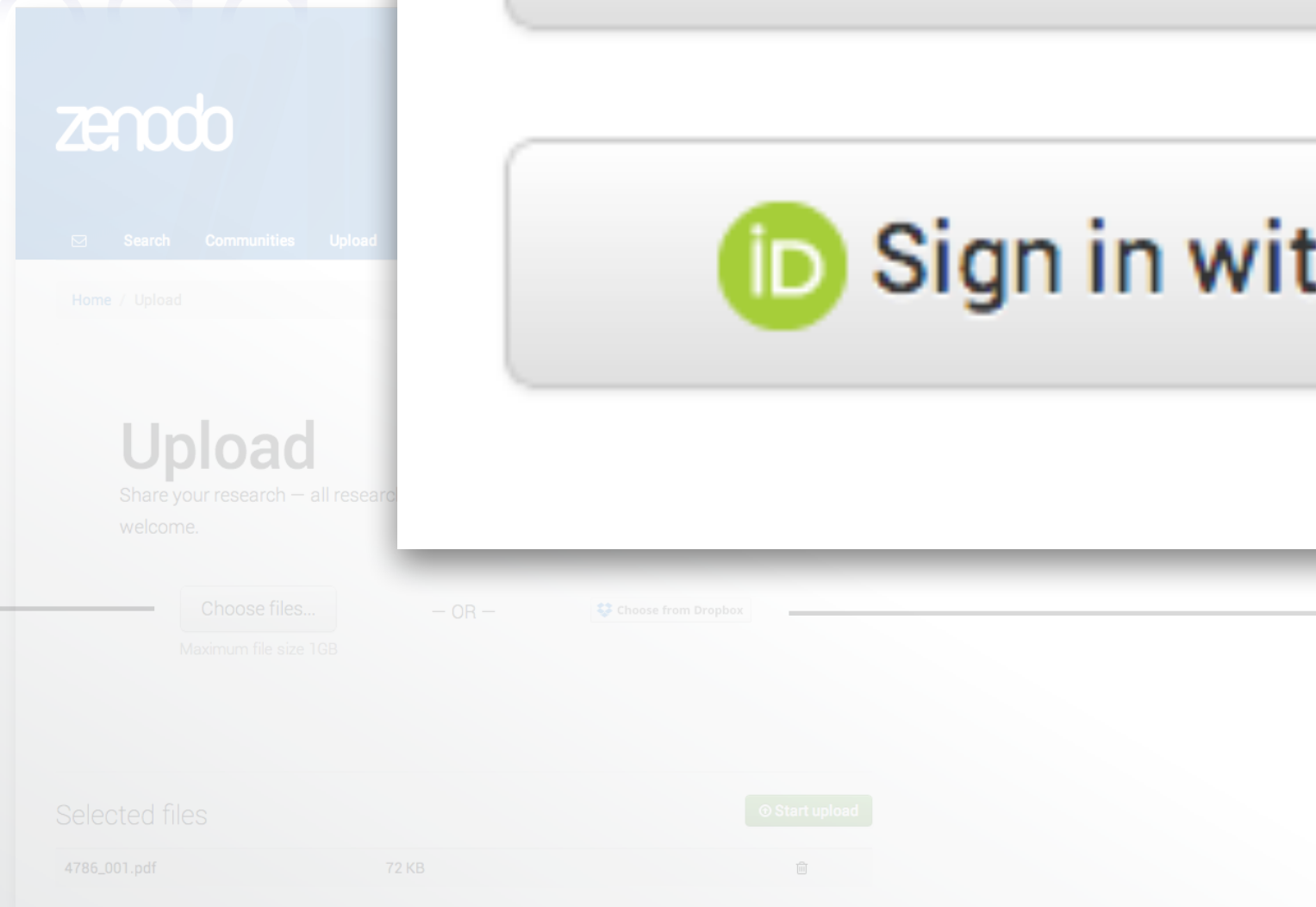
Start upload

Selected files		
4786_001.pdf	72 KB	


 **Dropbox**


 Choose from Dropbox

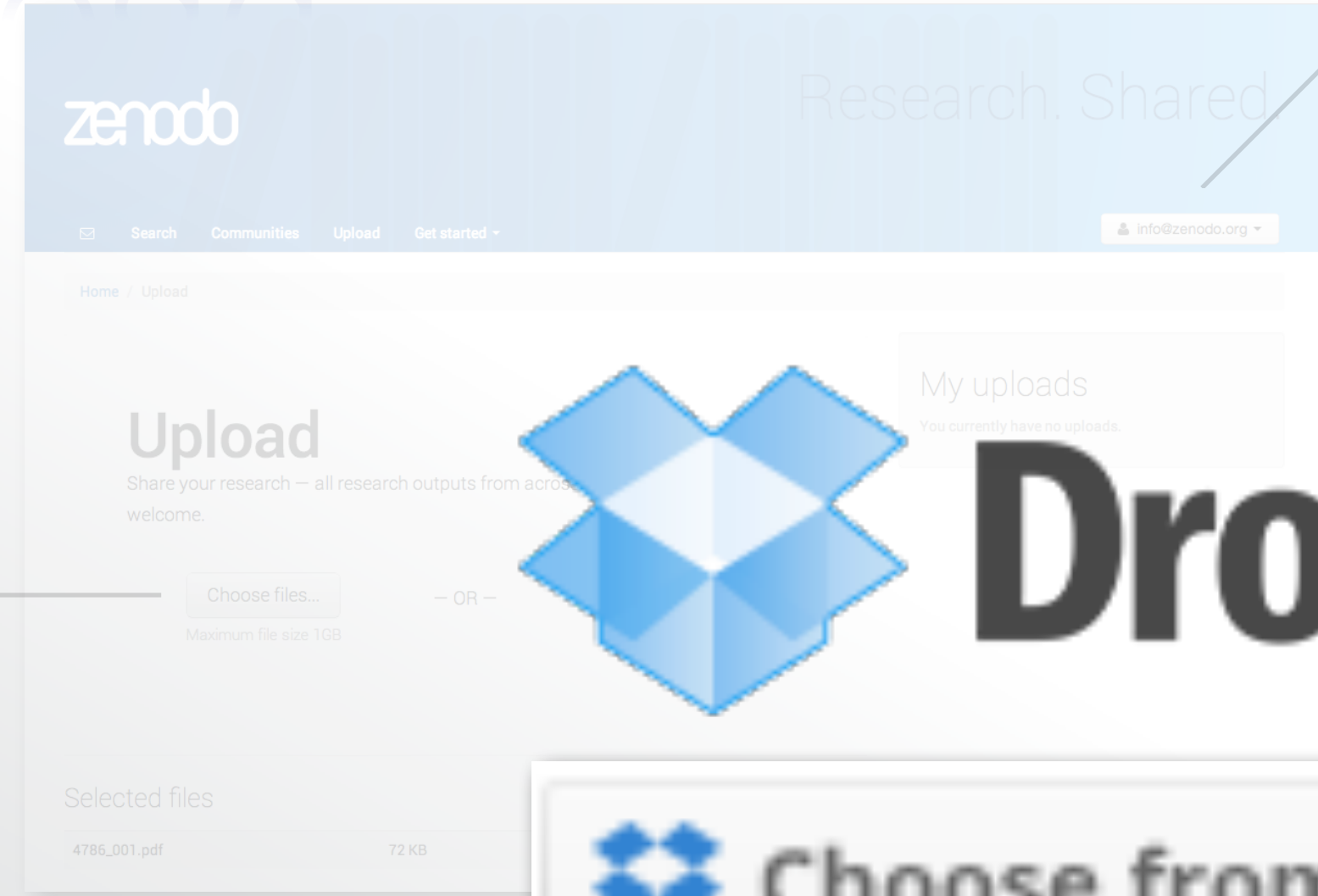
# Upload



# Upload

 Sign in with GitHub

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Choose files...

Maximum file size 2GB



# Dropbox

 Choose from Dropbox

# Describe

Publication
  Poster
  Presentation
  Dataset
  Image
  Video/Audio

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Home / Upload / Edit

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Unsubmitted  
Untitled 27 May 2013, 11:09

### New upload

Instructions: (i) Press "Save" to save your upload for editing later, as many times you like, (ii) Upload and remove extra files in the bottom of the form. (iii) When ready, press "Submit" to finalize and make your upload public (editing afterwards only possible via submitting changes to info@zenodo.org).

**Type of file(s)** required
   
 Publication
  Poster
  Presentation
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Type of publication:

Type of image:

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**Digital Object Identifier**

  
Optional. Did your publisher already assign a DOI to your upload? If not, leave the field empty and we will register a new DOI for you. A DOI allow others to easily and unambiguously cite your upload.
  
 Pre-reserve DOI
   
**Publication date**

  
Required. Format: YYYY-MM-DD. The date your upload was made available in case it was already published elsewhere.
  
**Title**

  
Required.
  
**Authors**

  
Required. Format: Family name, First name: Affiliation (one author per line)
  
**Description**

  
Required.
  
**Keywords**

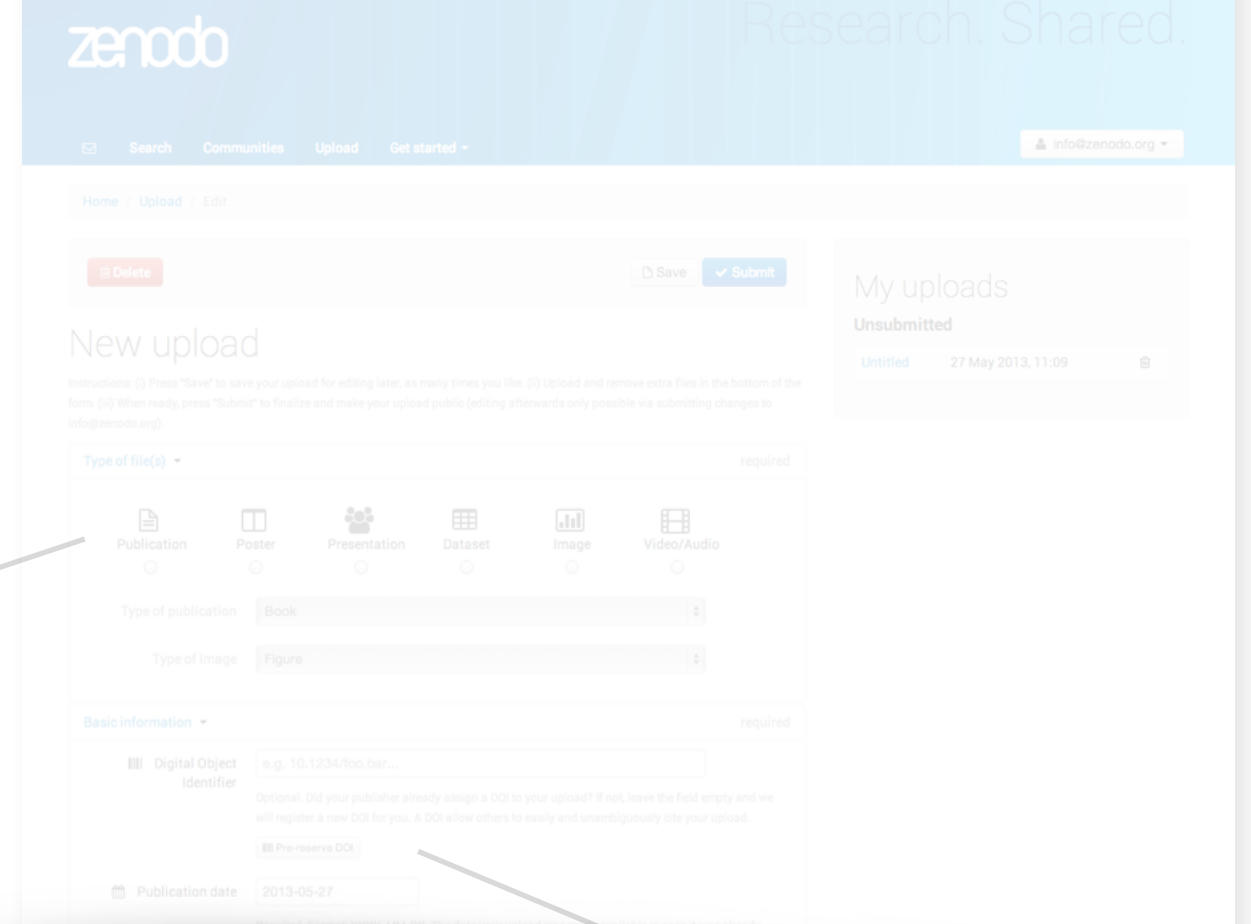
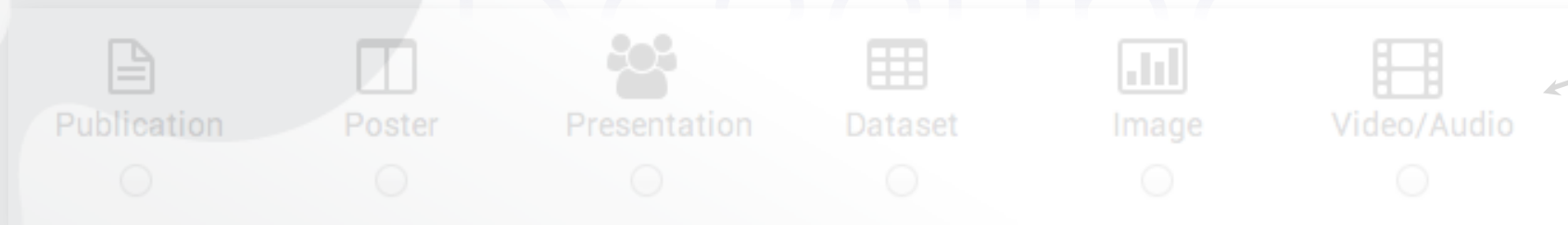
  
Optional. Format: One keyword per line.
  
**Additional notes**

  
Optional.

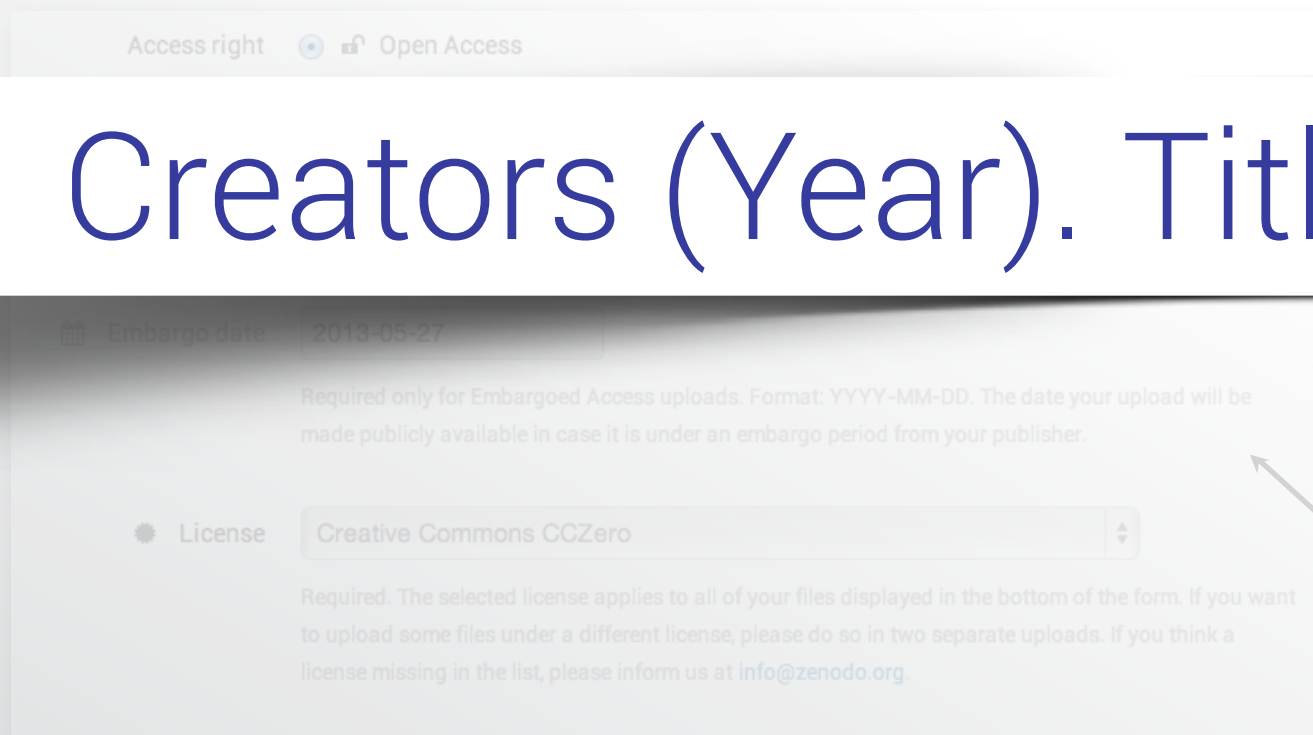
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 Access right
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**Pre-reserve DOI**

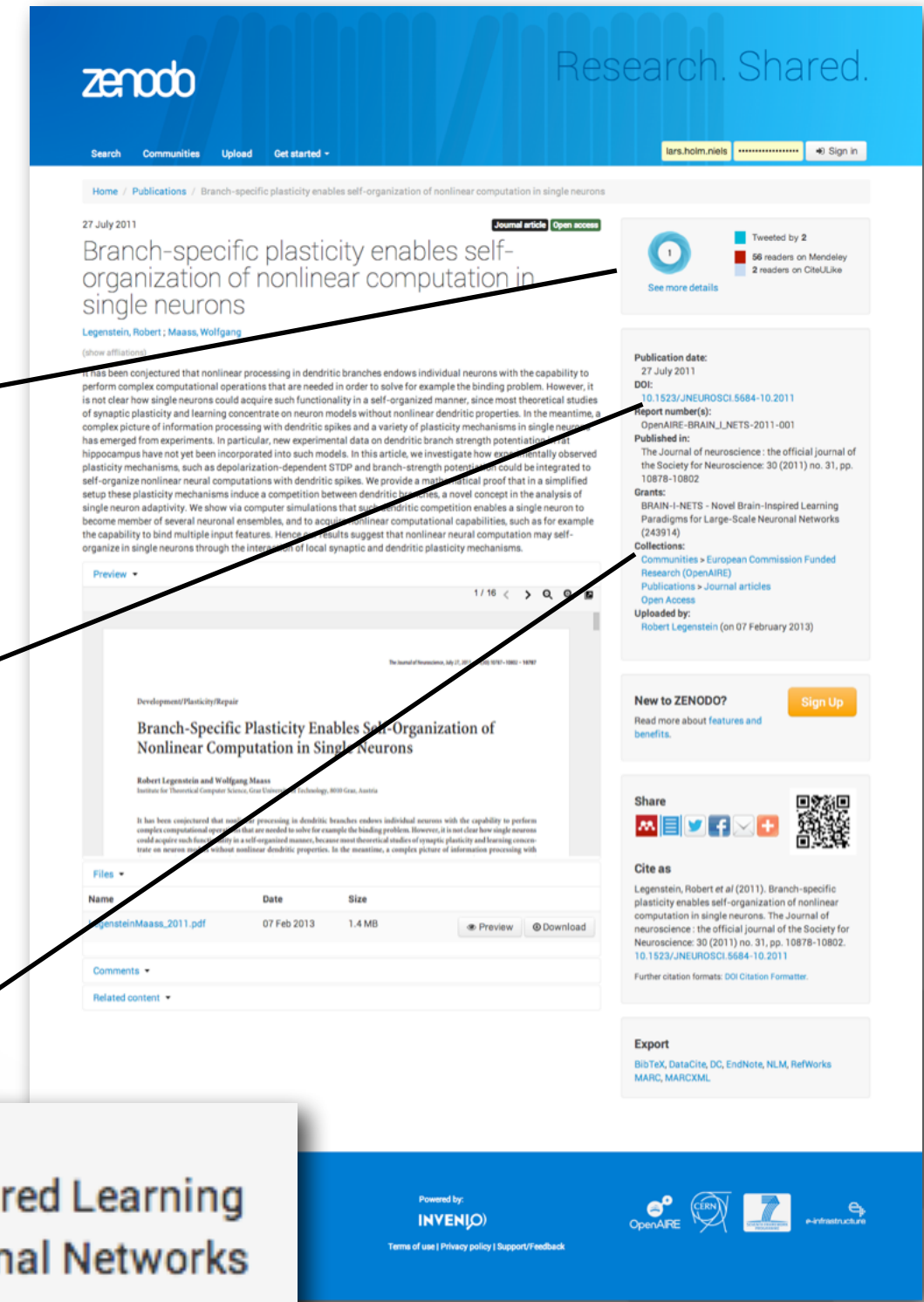
# Describe



Creators (Year). Title. Publisher. Identifier.



# Publish



**Article Level Metrics**

1  
See more details

- Tweeted by 2
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- 2 readers on CiteULike

## Article Level Metrics

**DOI:**  
**10.5281/zenodo.6785**

**Citeable. Discoverable.**

**Grants:**  
**BRAIN-I-NETS - Novel Brain-Inspired Learning Paradigms for Large-Scale Neuronal Networks (243914)**

## Link with funding information



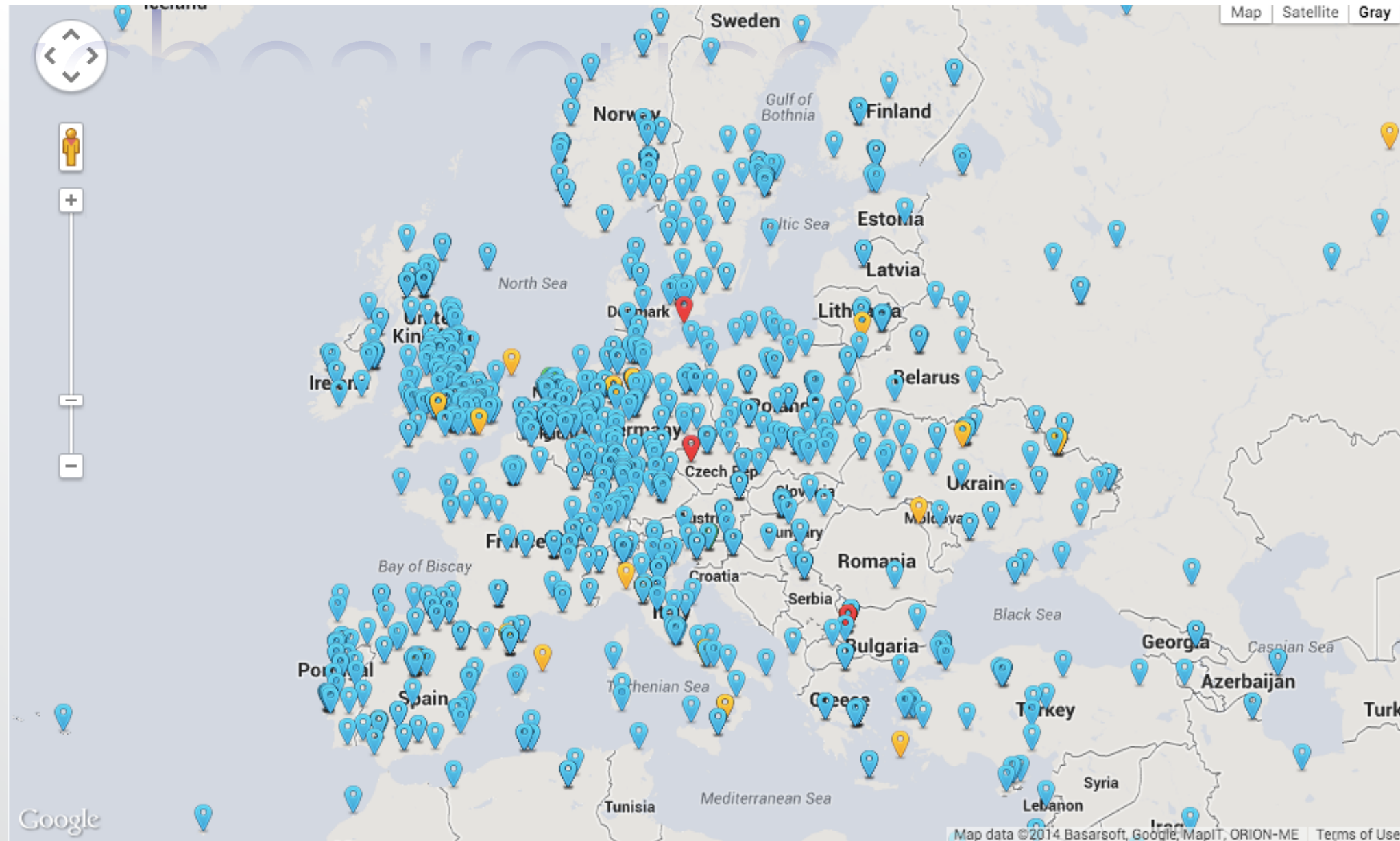
# OpenAIRE

# Output of EU-funded research?

EU-funded research?



# Repositories



# Access right/license

```
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</rightsList>
```

# Funding information

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  </nameIdentifier>  
</contributor>
```

Publications

Linking

Grants

Data

People/  
Organisations



# Signatures of Majorana fermions in hybrid superconductor-semiconductor nanowire devices

Mourik, V.; Zuo, K.; Frolov, S. M.; Plissard, S. R.; Bakkers, E. P. A. M.; Kouwenhoven, L. P.  
Science Magazine

dataset

Nanoscience, Physics, Condensed Matter Physics, Quantum Computing

Data sets belong to the paper "Signatures of Majorana fermions in hybrid superconductor-semiconductor nanowire devices".(Software to view .mtx files: )

Related Data

Related Publications

Metrics

## Trapped charge dynamics in InAs nanowires

(2012)

Share - Bookmark



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Funded by projects

No projects found

Cite this dataset

BibTeX

@misc{Mourik, V.\_Zuo,  
K.\_Frolov, S. M.\_Plissard, S.

# Open Data Pilot





A&A 558, A33 (2013)  
DOI: 10.1051/0004-6361/201322068  
© ESO 2013

Astronomy  
&  
Astrophysics

### Astropy: A community Python package for astronomy

The Astropy Collaboration, Thomas P. Robitaille<sup>1</sup>, Erik J. Tollerud<sup>2,3</sup>, Perry Greenfield<sup>4</sup>, Michael Droettboom<sup>4</sup>, Erik Bray<sup>4</sup>, Tom Aldcroft<sup>5</sup>, Matt Davis<sup>4</sup>, Adam Ginsburg<sup>6</sup>, Adrian M. Price-Whelan<sup>7</sup>, Wolfgang E. Kerzendorf<sup>8</sup>, Alexander Conley<sup>6</sup>, Neil Crighton<sup>1</sup>, Kyle Barbary<sup>9</sup>, Demitri Muna<sup>10</sup>, Henry Ferguson<sup>1</sup>, Frédéric Grollier<sup>12</sup>, Madhura M. Parikh<sup>11</sup>, Prasanth H. Nair<sup>12</sup>, Hans M. Günther<sup>5</sup>, Christoph Deil<sup>13</sup>, Julien Woillez<sup>14</sup>, Simon Conseil<sup>15</sup>, Roban Kramer<sup>16</sup>, James E. H. Turner<sup>17</sup>, Leo Singer<sup>18</sup>, Ryan Fox<sup>12</sup>, Benjamin A. Weaver<sup>19</sup>, Victor Zabalza<sup>13</sup>, Zachary I. Edwards<sup>20</sup>, K. Azalee Bostroem<sup>4</sup>, D. J. Burke<sup>5</sup>, Andrew R. Casey<sup>21</sup>, Steven M. Crawford<sup>22</sup>, Nadia Dencheva<sup>4</sup>, Justin Ely<sup>4</sup>, Tim Jenness<sup>23,24</sup>, Kathleen Labrie<sup>25</sup>, Pey Lian Lim<sup>4</sup>, Francesco Pierfederici<sup>4</sup>, Andrew Pontzen<sup>26,27</sup>, Andy Ptak<sup>28</sup>, Brian Refsdal<sup>5</sup>, Mathieu Servillat<sup>29,5</sup>, and Ole Streicher<sup>30</sup>

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Received 12 June 2013 / Accepted 23 July 2013

#### ABSTRACT

We present the first public version (v0.2) of the open-source and community-developed Python package, Astropy. This package provides core astronomy-related functionality to the community, including support for domain-specific file formats such as flexible image transport system (FITS) files, Virtual Observatory (VO) tables, and common ASCII table formats, unit and physical quantity conversions, physical constants specific to astronomy, celestial coordinate and time transformations, world coordinate system (WCS) support, generalized containers for representing gridded as well as tabular data, and a framework for cosmological transformations and conversions. Significant functionality is under active development, such as a model fitting framework, VO client and server tools, and aperture and point spread function (PSF) photometry tools. The core development team is actively making additions and enhancements to the current code base, and we encourage anyone interested to participate in the development of future Astropy versions.

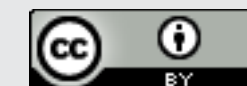
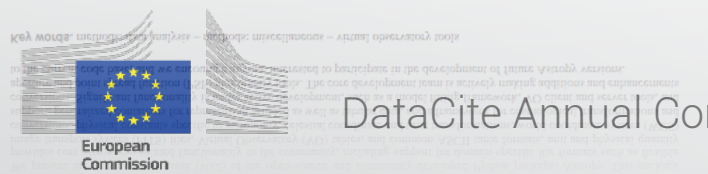
**Key words.** methods: data analysis – methods: miscellaneous – virtual observatory tools

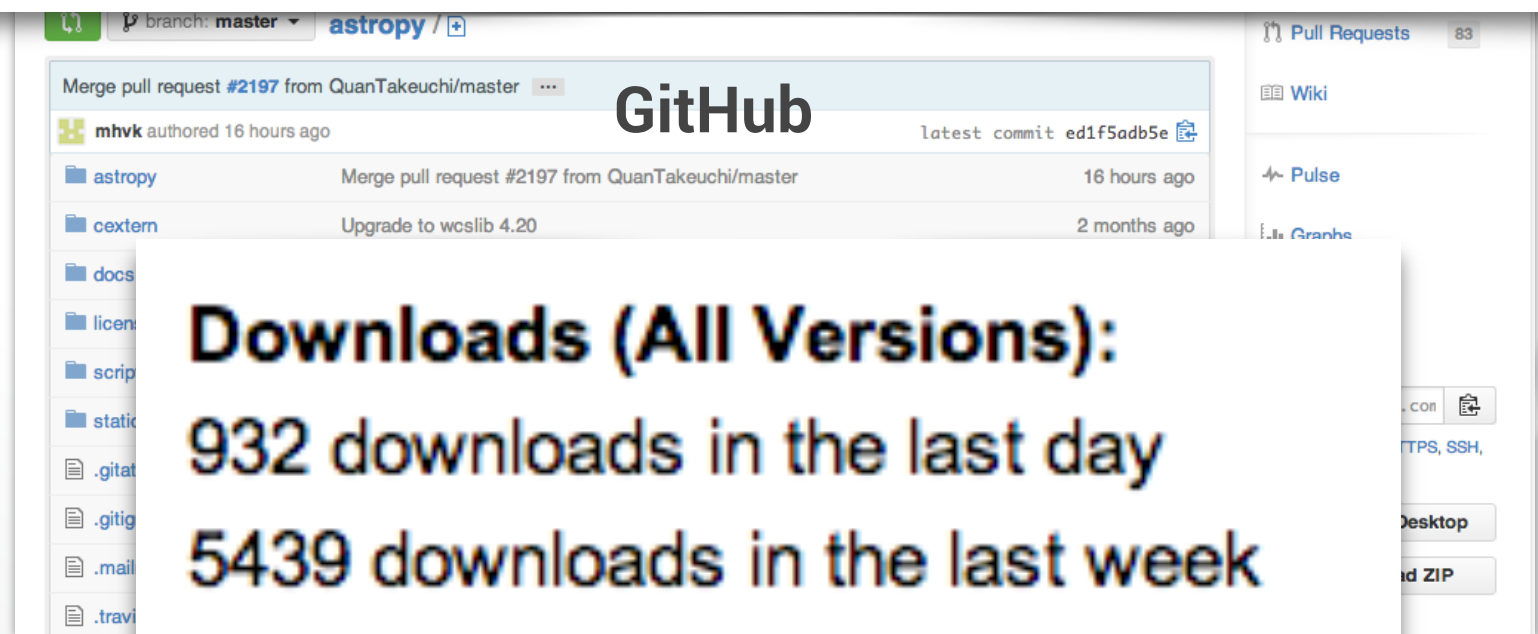
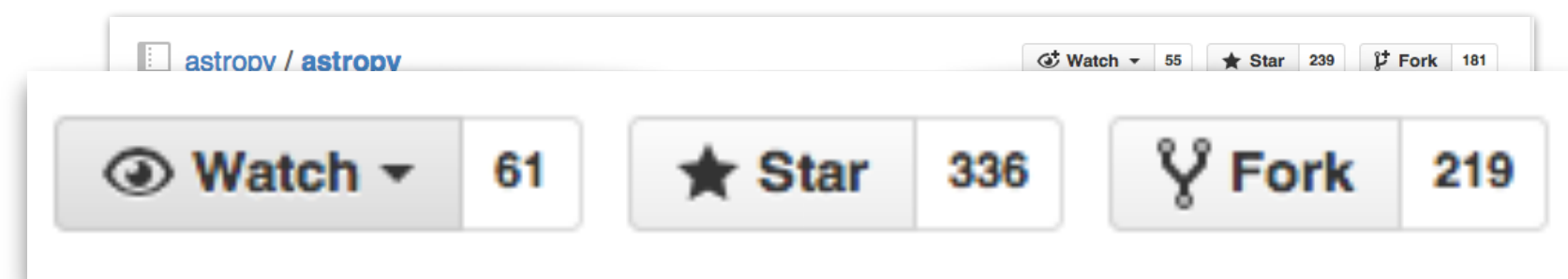
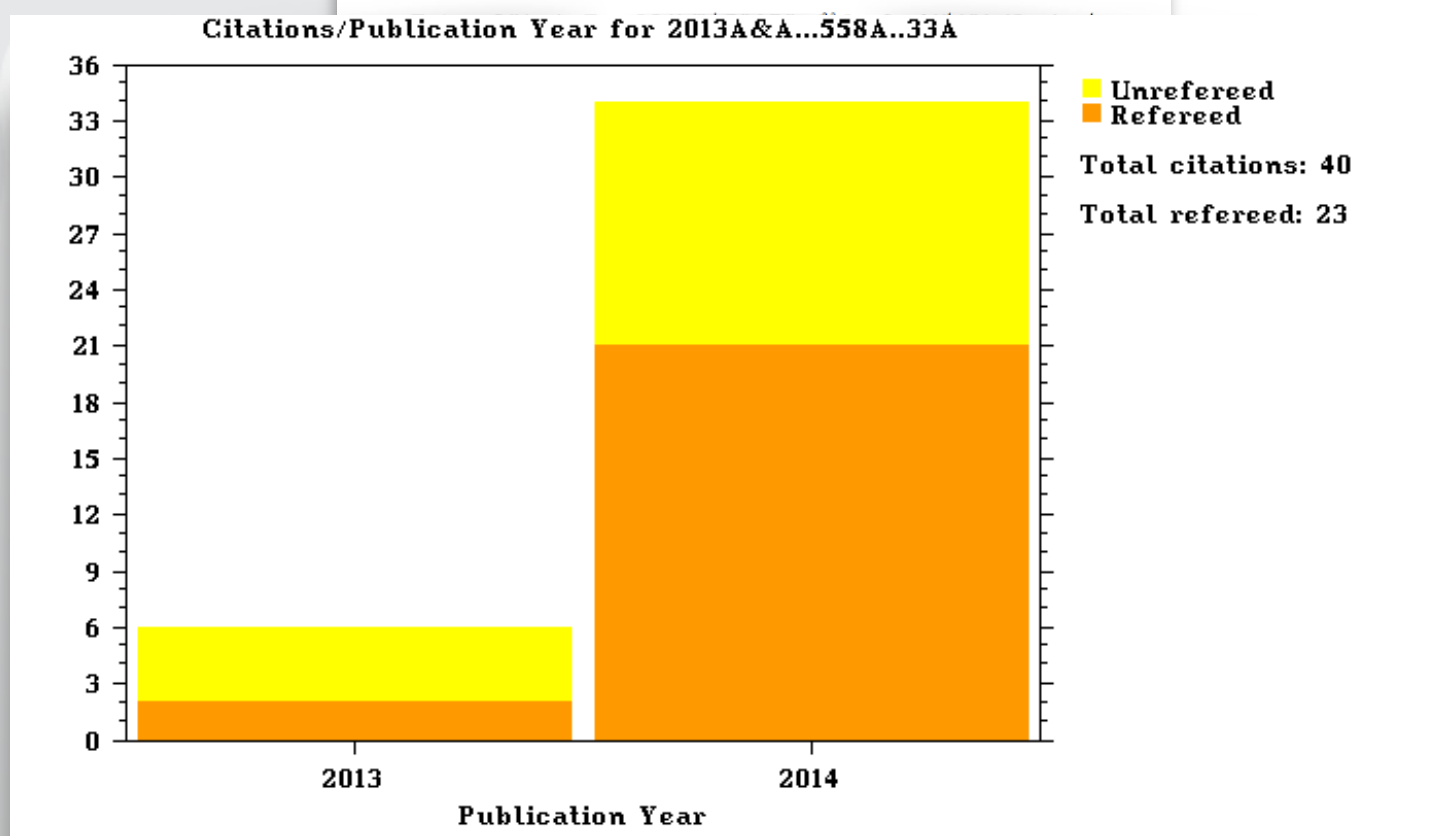
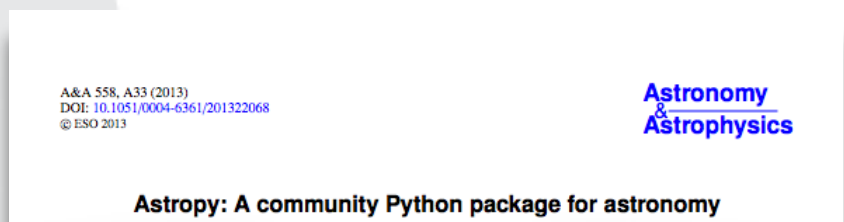
Article published by EDP Sciences

A33, page 1 of 9

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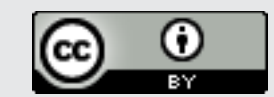
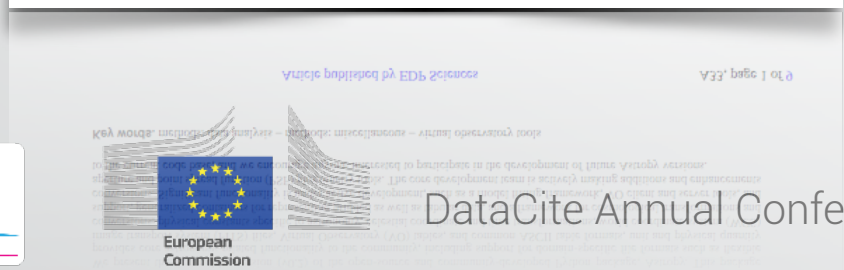
A33, page 1 of 9





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Python Package Index Downloads





# # papers 2008-2014



# 70

*caveat: quick'n'dirty ADS search*

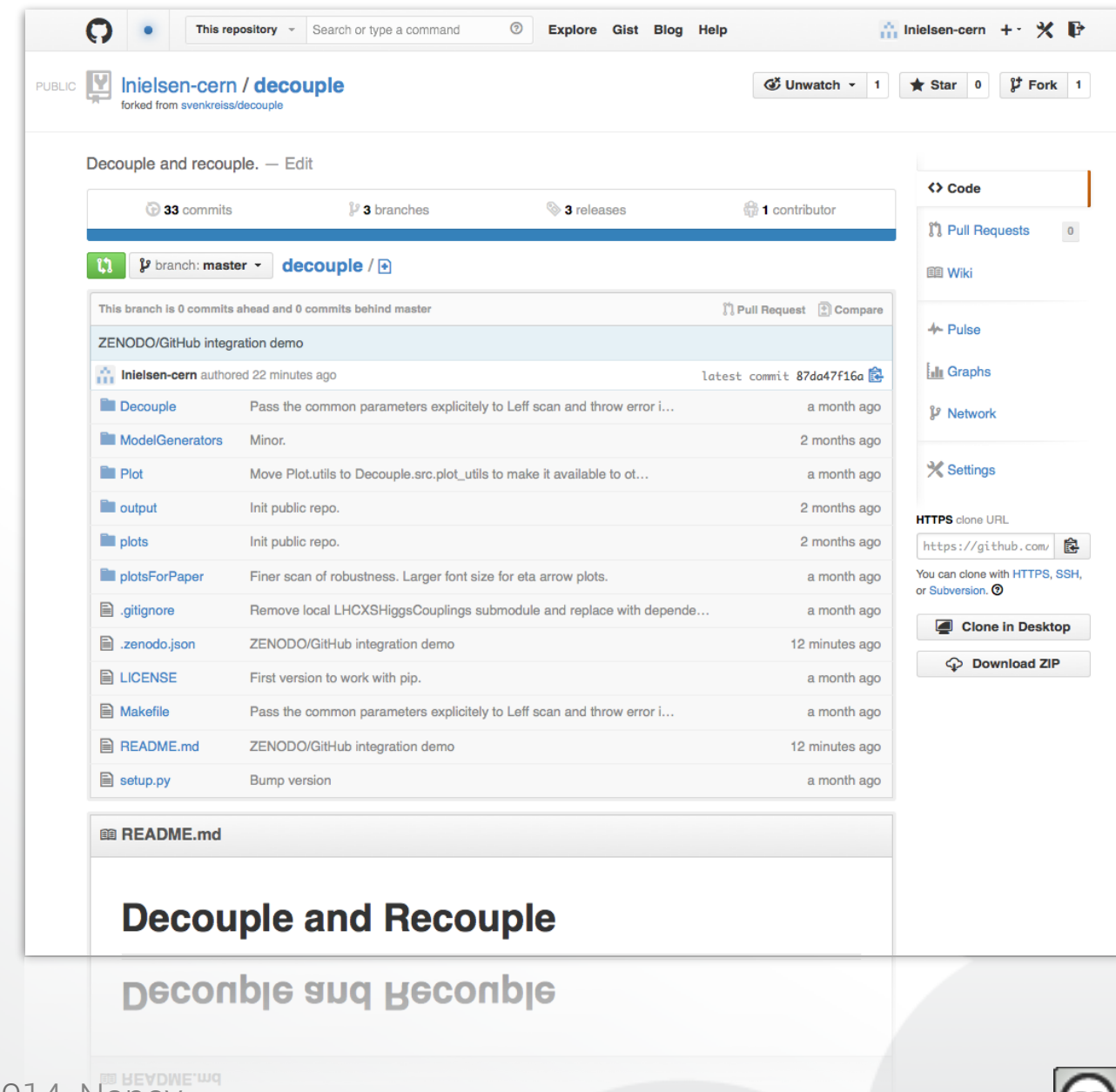
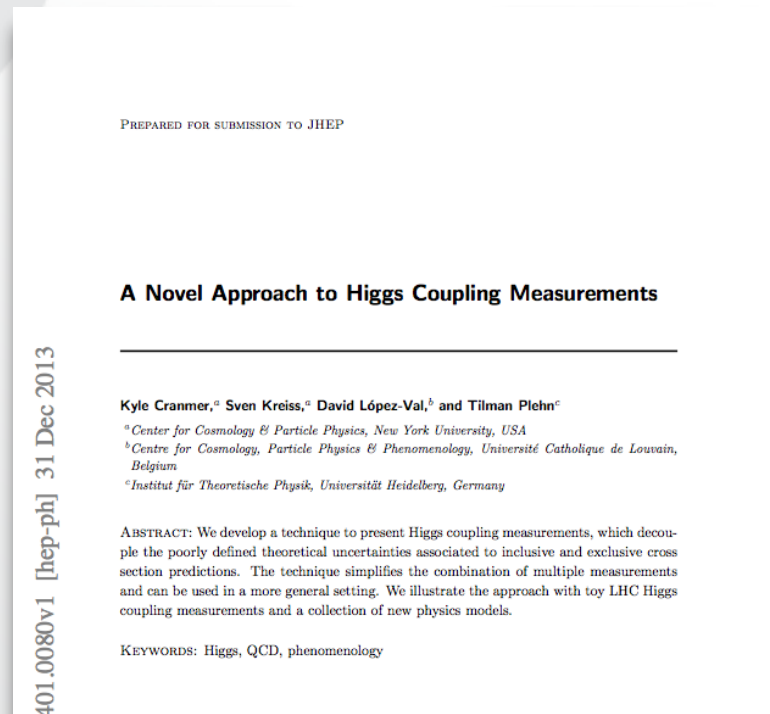
# # papers 2008-2014



# 4000

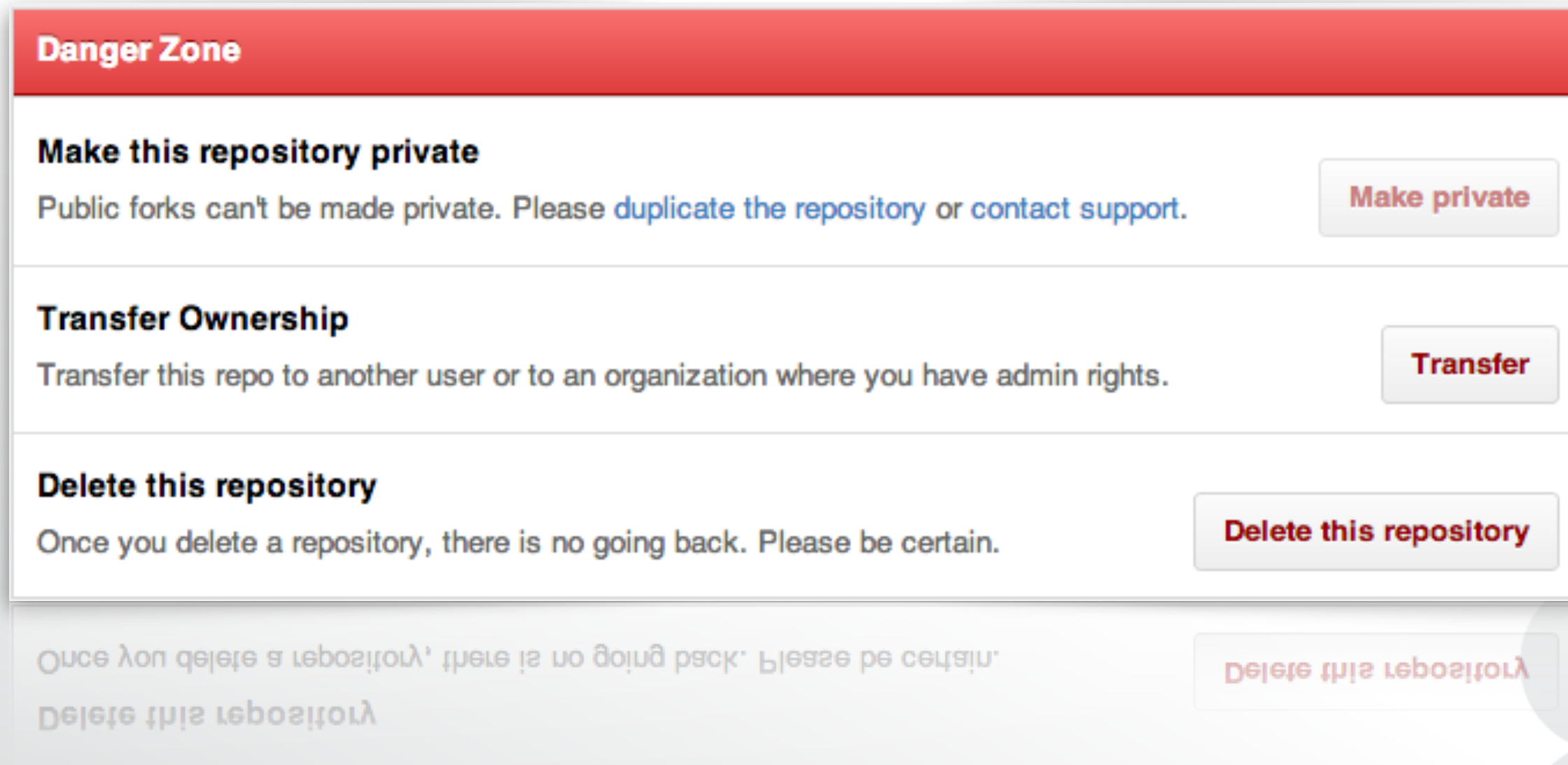
*caveat: quick'n'dirty ADS search*

# Software citation



[25] K. Cranmer, S. Kreiss, D. López-Val, T. Plehn,  
<https://github.com/svenkreiss/decouple>.

# GitHub + Science



The screenshot shows a 'Danger Zone' for a GitHub repository. It contains three main sections: 'Make this repository private', 'Transfer Ownership', and 'Delete this repository'. Each section has a brief description and a corresponding button. The 'Delete this repository' section is highlighted with a red border.

**Danger Zone**

**Make this repository private**  
Public forks can't be made private. Please [duplicate the repository](#) or [contact support](#). **Make private**

**Transfer Ownership**  
Transfer this repo to another user or to an organization where you have admin rights. **Transfer**

**Delete this repository**  
Once you delete a repository, there is no going back. Please be certain. **Delete this repository**

# GitHub meets Zenodo

zenodo Research. Shared.

Home / Account / GitHub

**Settings**

- Profile
- Applications
- GitHub**

**GitHub Repositories** (updated 16 hours ago) Sync...

**Get started**

- 1 Flip the switch**  
Select the repository you want to preserve, and toggle the switch below to turn on automatic preservation of your software.
- 2 Create a release**  
Go to GitHub and create a release. ZENODO will automatically download a .zip package of all new releases and register a DOIs for them.  
More question? Check out the FAQ.
- 3 Get the badge**  
After your first release, you can get a DOI badge to include in your GitHub README file.

Repository Name	Integration Status
Inielisen-cern/altantis-conf	OFF
Inielisen-cern/dictdiffer	OFF
<b>Inielisen-cern/decouple</b>	<b>ON</b>
Inielisen-cern/flask-bower-grunt	OFF
Inielisen-cern/flask-cache	OFF

GitHub repository: Inielisen-cern / decouple (forked from svenkreiss/decouple)

33 commits | 3 branches | 3 releases | 1 contributor

branch: master / decouple

This branch is 0 commits ahead and 0 commits behind master

**ZENODO/GitHub integration demo**

- Inielisen-cern authored 22 minutes ago latest commit 87da47f16a
- Decouple Pass the common parameters explicitly to Leff scan and throw error l... a month ago
- ModelGenerators Minor. 2 months ago
- Plot Move Plot.utils to Decouple.src.plot\_utils to make it available to ot... a month ago
- output Init public repo. 2 months ago
- plots Init public repo. 2 months ago
- plotsForPaper Finer scan of robustness. Larger font size for eta arrow plots. a month ago
- .gitignore Remove local LHCXSHiggsCouplings submodule and replace with depende... a month ago
- .zenodo.json ZENODO/GitHub integration demo 12 minutes ago
- LICENSE First version to work with pip. a month ago
- Makefile Pass the common parameters explicitly to Leff scan and throw error l... a month ago
- README.md ZENODO/GitHub integration demo 12 minutes ago
- setup.py Bump version a month ago

**README.md**

## Decouple and Recouple

DOI 10.5281/zenodo.8345

Release: v1.1.3

07a2526 zip tar.gz

## Releases

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  "affiliation": "Institut für Theoretische Ph...
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"access_right": "open",
"license": "mit-license",
"related_identifiers": [
  {
    "identifier": "arXiv:1401.0080",
    "relation": "isCitedBy"
  }
]
}

```

## .zenodo.json

ON

DOI 10.5281/zenodo.8345

## DOI Badge

# Software meets INSPIRE



07 March 2014

decouple software associated to arXiv:1401.0080

Cranmer, Kyle; Kreiss, Sven

(show affiliations)

This repository contains the software implementation for our paper A Novel Approach to Higgs Coupling Measurements (Cranmer, Kreiss, Lopez-Val, Plehn), arXiv:1401.0080. It contains tools to apply the discussed methods to new models and contains a Makefile to recreate the plots in the paper.

A demo for the recoupling stage where the effective likelihood and template parametrization are readily provided is at decoupledDemo.

Name	Date	Size
decouple-v1.2.5.zip	08 Mar 2014	266.6 kB

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Information Citations (0) Files

## decouple software associated to arXiv:1401.0080

Cranmer, Kyle; Kreiss, Sven (New York University)

Cite as: (2013) Zenodo, <http://doi.org/10.5281/zenodo.8475>

**Description:**

This repository contains the software implementation for our paper **A Novel Approach to Higgs Coupling Measurements** (Cranmer, Kreiss, Lopez-Val, Plehn), arXiv:1401.0080 [hep-ph]. It contains tools to apply the discussed methods to new models and contains a Makefile to recreate the plots in the paper.

A demo for the recoupling stage where the effective likelihood and template parametrization are readily provided is at decoupledDemo.

This dataset complements the following publication:  
[A Novel Approach to Higgs Coupling Measurements](#)

Record created 2014-03-12, last modified 2014-03-12

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[Link to GitHub](#)    [Export BibTeX, EndNote, LaTeX\(US\), LaTeX\(EU\), Harvard, MARC, MARCXML, NLM, DC](#)

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Information References (166) Citations (0) Files Plots HepData

## A Novel Approach to Higgs Coupling Measurements

Kyle Cranmer, Sven Kreiss (New York U., CCPP), David Lopez-Val (Louvain U., CP3), Tilman Plehn (U. Heidelberg, ITP)

Dec 30, 2013 - 39 pages

e-Print: [arXiv:1401.0080](http://arxiv.org/abs/1401.0080) [hep-ph] | [PDF](#)

**Abstract (arXiv)**  
We develop a technique to present Higgs coupling measurements, which decouple the poorly defined theoretical uncertainties associated to inclusive and exclusive cross section predictions. The technique simplifies the combination of multiple measurements and can be used in a more general setting. We illustrate the approach with toy LHC Higgs coupling measurements and a collection of new physics models.

**Note:** 39 pages, 12 figures  
**Keyword(s):** INSPIRE: \*Automatic Keywords\* | [coupling: Higgs](#) | [CERN LHC Coll](#) | [new physics](#) | [decoupling](#)

Record created 2014-01-03, last modified 2014-02-23

[Show more plots](#)



# Safety



<http://www.invenio-software.org>

<http://github.com/zenodo>



<http://inspirehep.net/>



## Easy to use

DropBox integration

Drag-n-drop deposition

Programmable API

## Low barriers

Little fixed metadata

## No restrictions

Type, format, license

# Differentiating

# Features

**Distributed  
community  
curation**

## Longevity

Not a company

Large-scale operation



Thank you

# zenodo

Research. Shared.

 <http://zenodo.org>

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FYI

