

Lars Holm Nielsen

CERN/IT

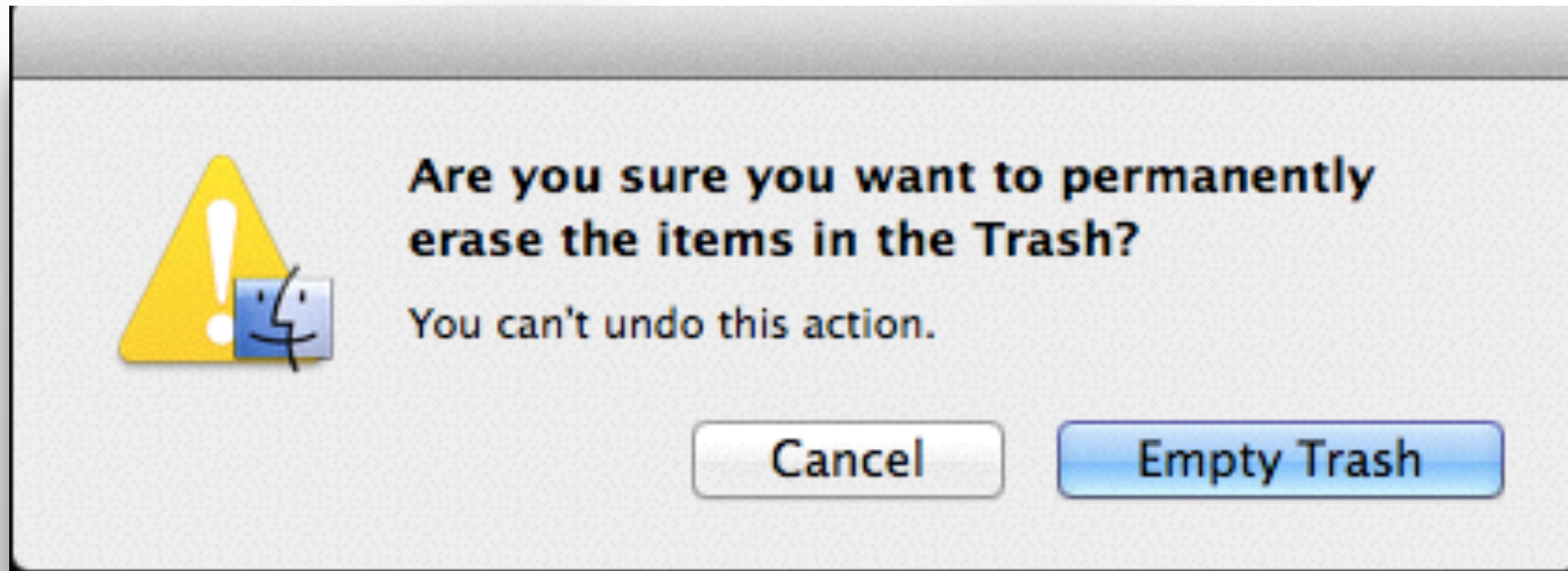
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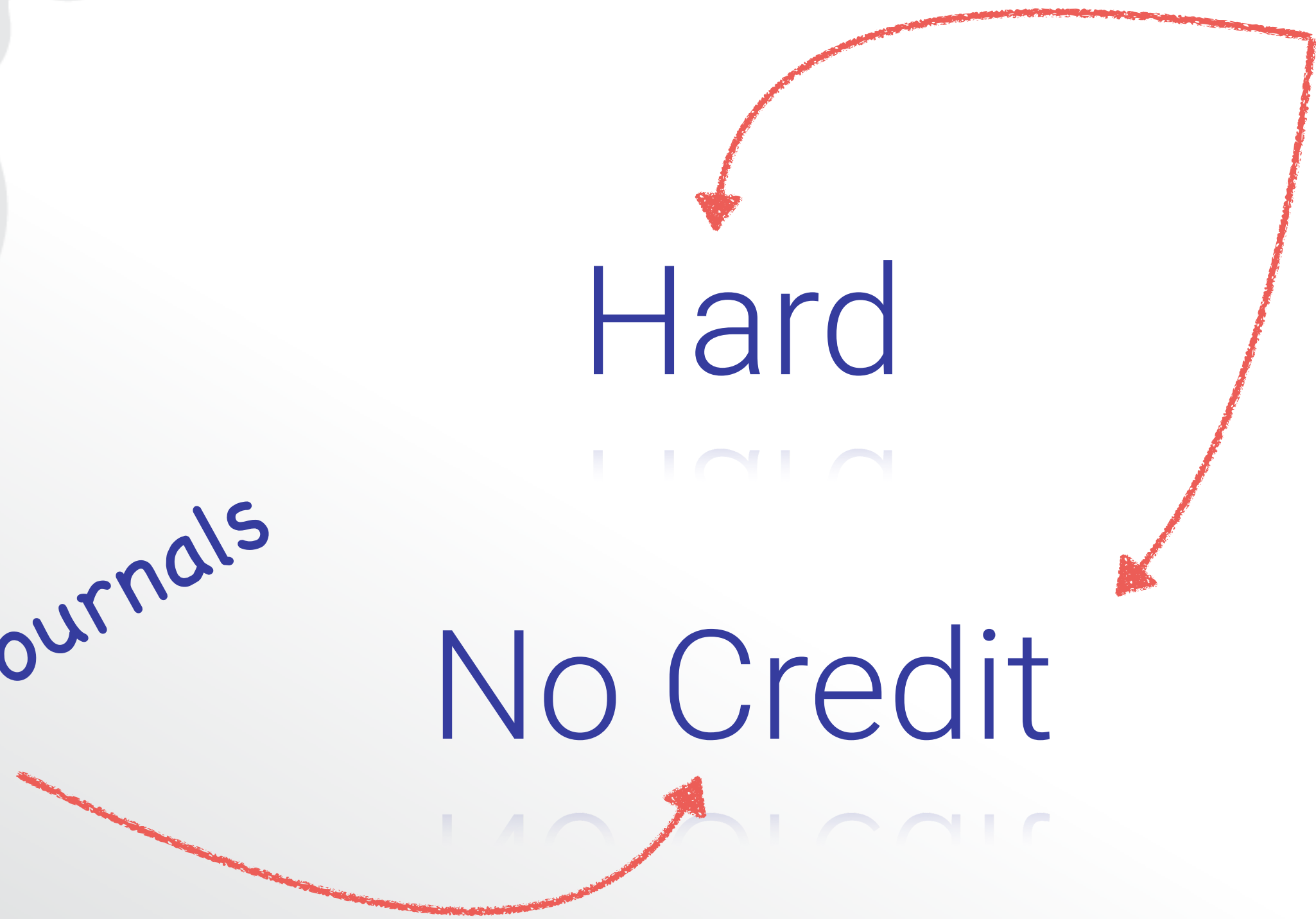




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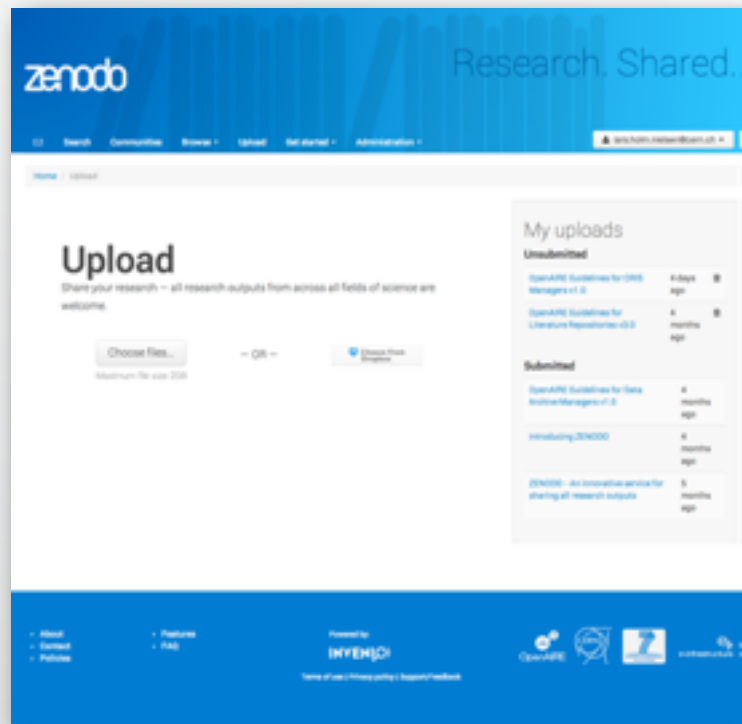
Data journals



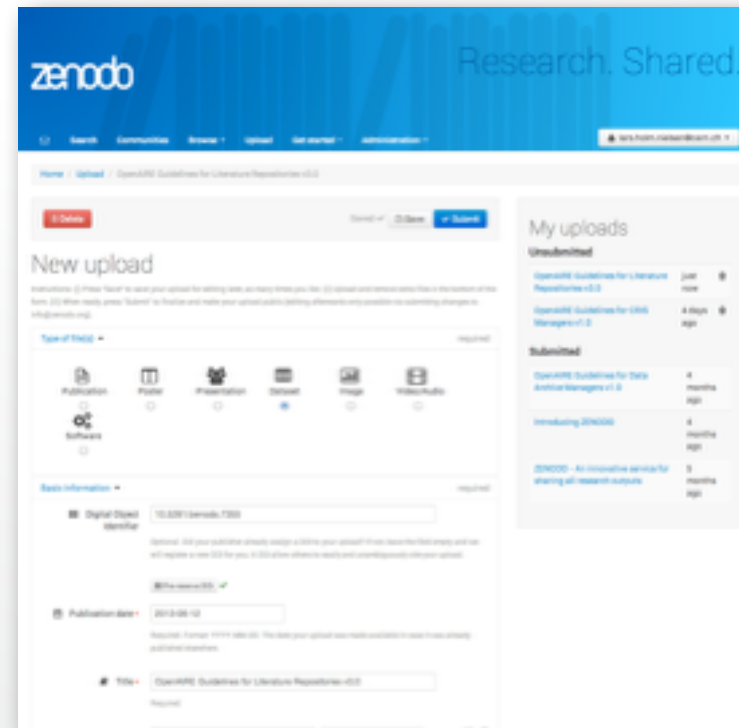
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Upload




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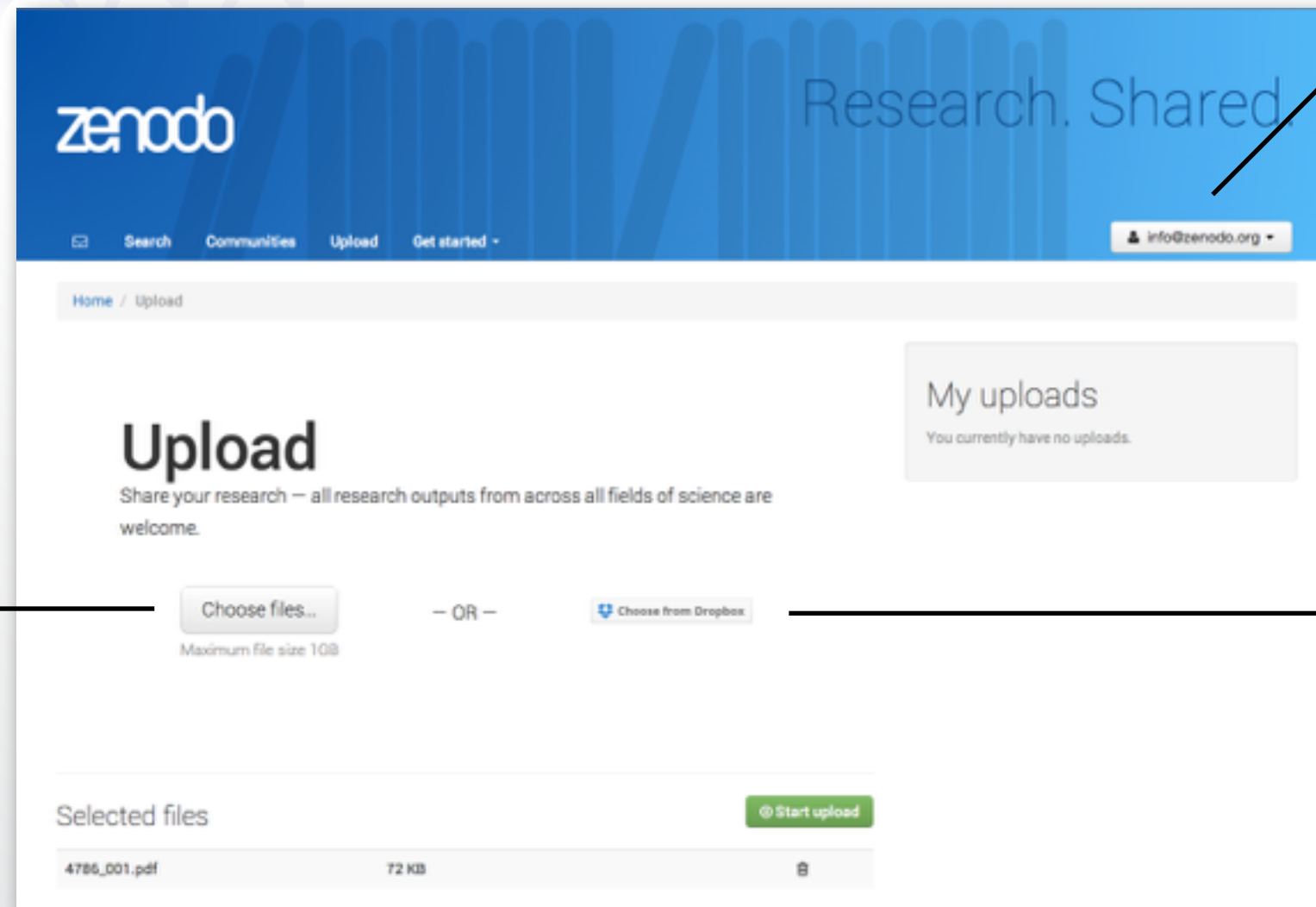
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Upload

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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, there are navigation links: Home / Upload, Search, Communities, Upload, and Get started. A user profile dropdown shows 'info@zenodo.org'. The main content area has a 'My uploads' box stating 'You currently have no uploads.' Below this is the 'Upload' section with the text 'Share your research — all research outputs from across all fields of science are welcome.' There are two buttons: 'Choose files...' (with a note 'Maximum file size 1GB') and 'Choose from Dropbox'. A 'Start upload' button is visible. At the bottom, a 'Selected files' table shows one file: '4786_001.pdf' (72 KB).

Choose files...

Maximum file size 2GB

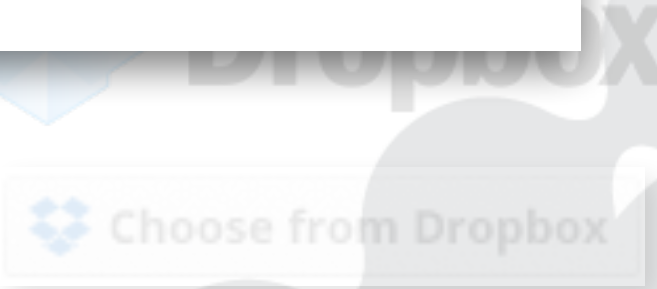
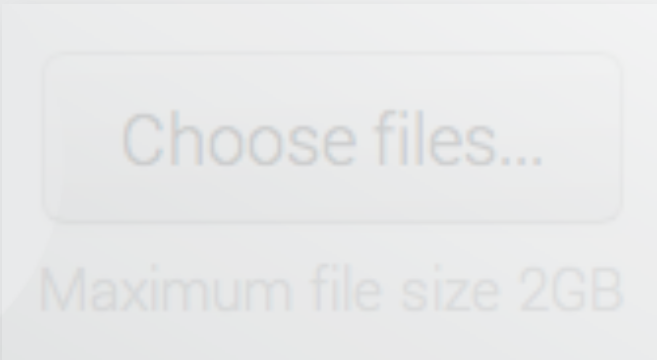
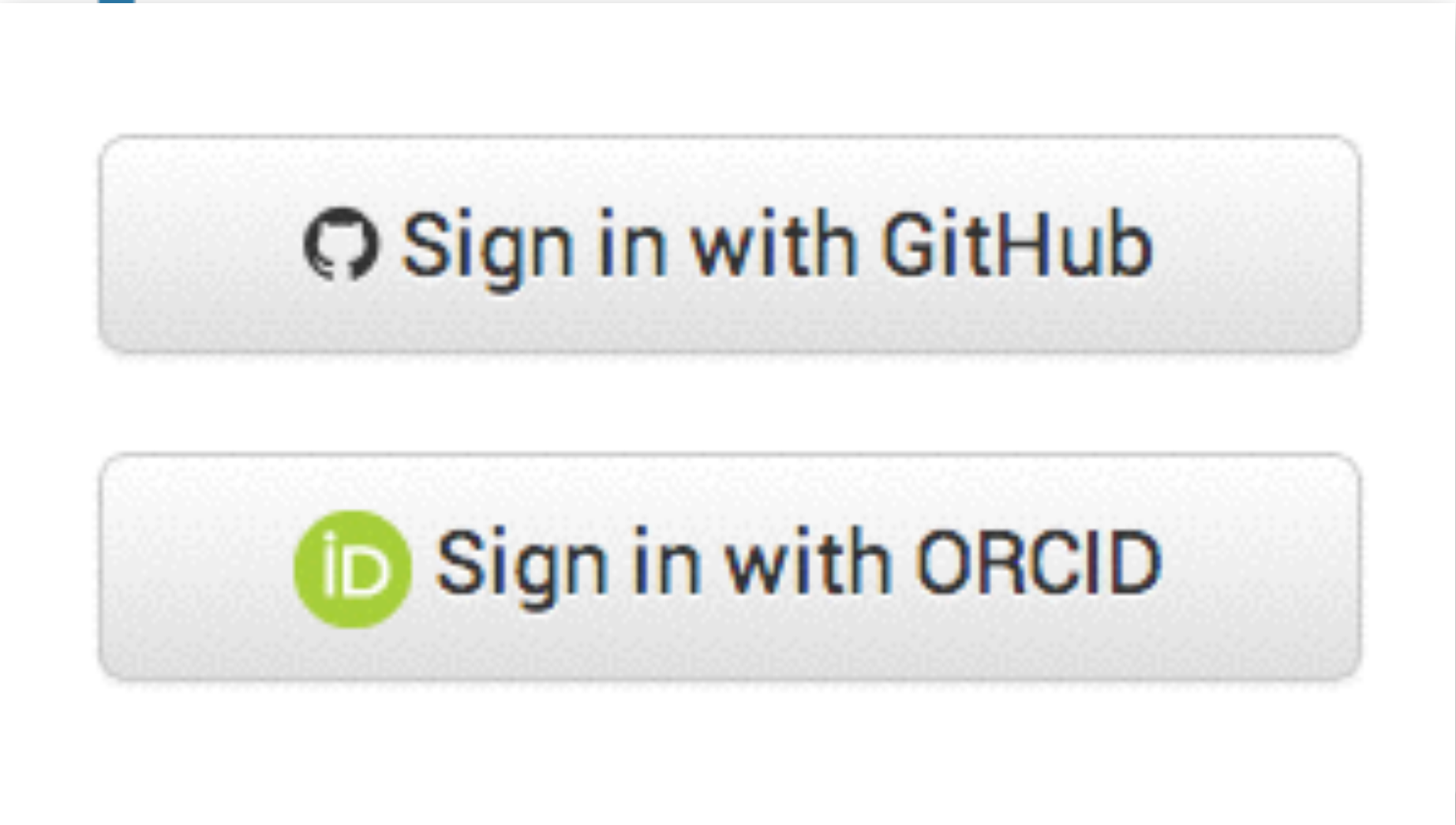
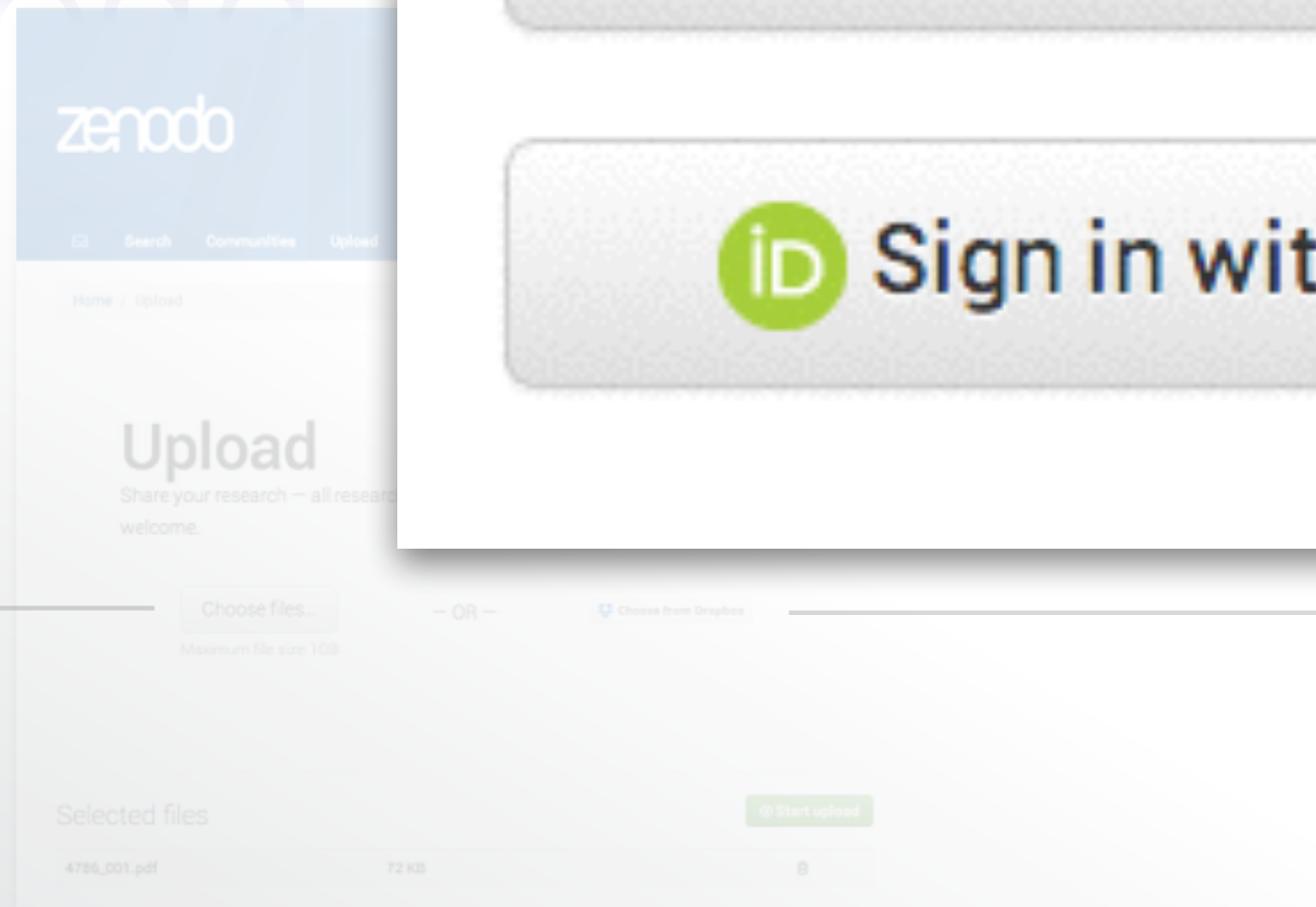


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Choose from Dropbox

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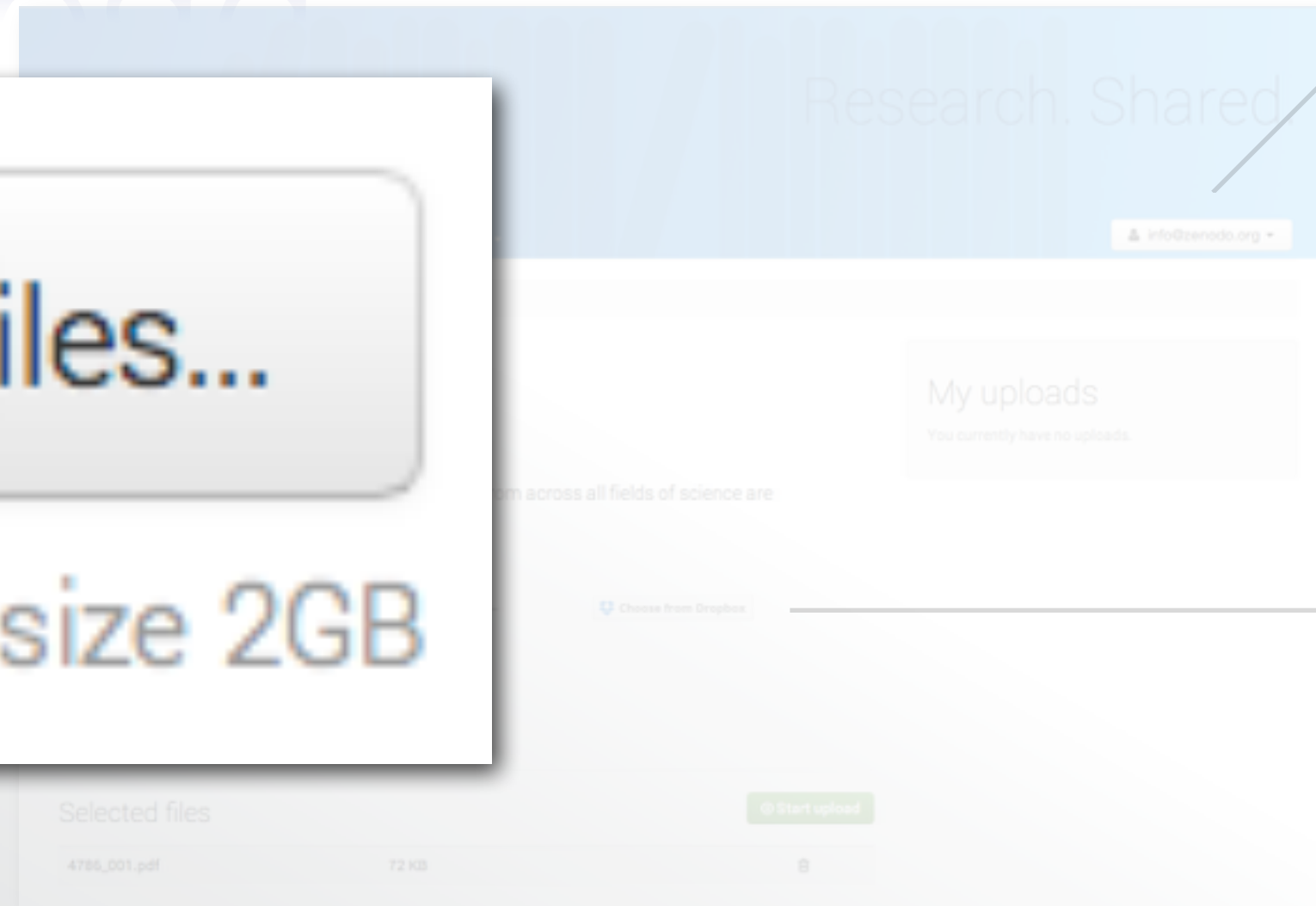
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Upload

Choose files...

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 Sign in with GitHub


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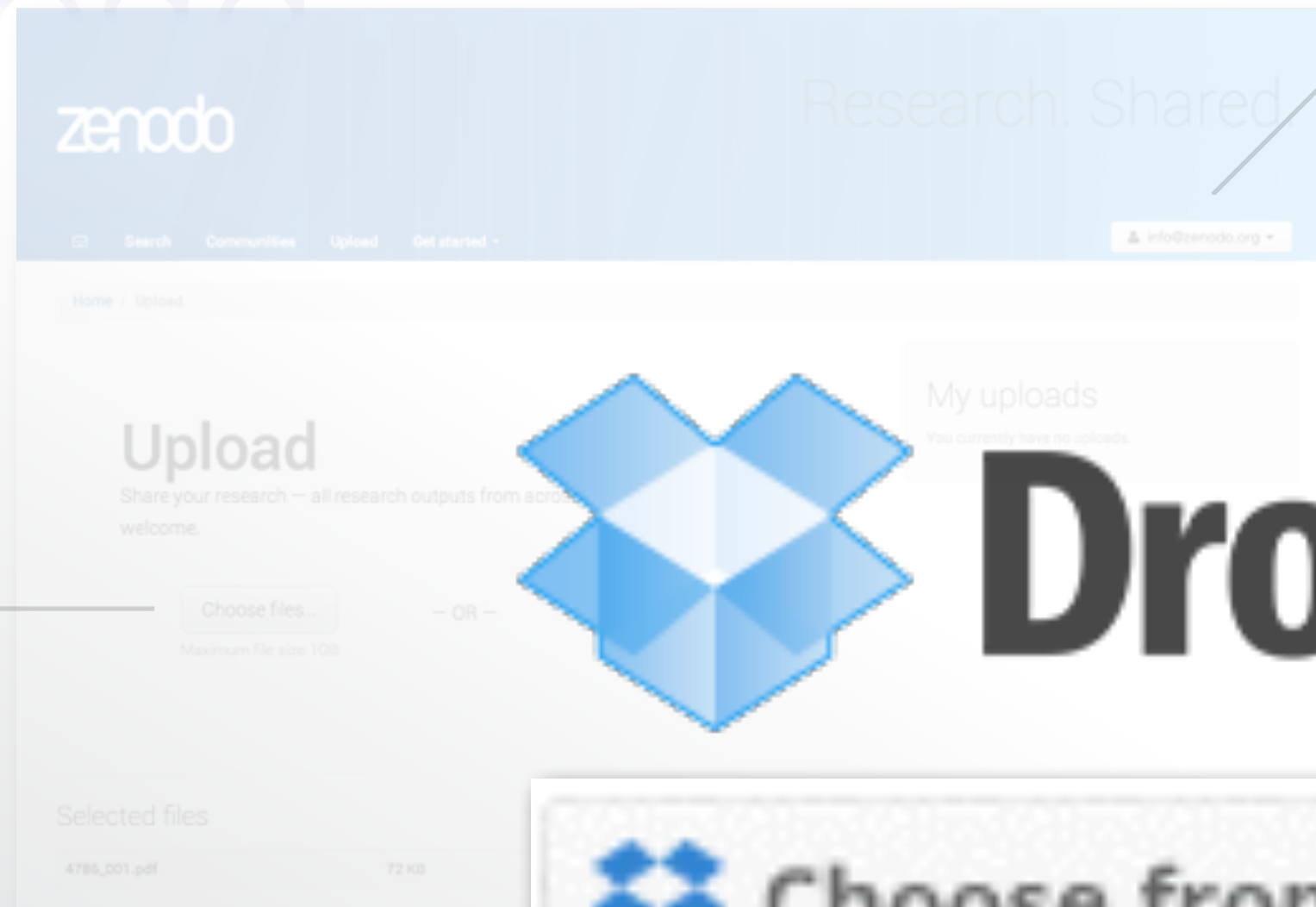


 Choose from Dropbox

Upload

 Sign in with GitHub

 Sign in with ORCID



The screenshot shows the Zenodo upload interface. At the top, the Zenodo logo and 'Research. Shared' are visible. Below the navigation bar, there are links for 'Home / Upload'. The main section is titled 'Upload' and contains the text 'Share your research — all research outputs from across disciplines are welcome.' There are two 'Choose files...' buttons, one with a note 'Maximum file size 1GB'. An 'OR' separator is between the buttons. To the right, there is a 'My uploads' section with the text 'You currently have no uploads.' Below this, a 'Selected files' table is shown with one entry: '4786_001.pdf' with a size of '72 KB'.

Choose files...

Maximum file size 2GB



Dropbox

 Choose from Dropbox

Describe

Publication
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 Presentation
 Dataset
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Additional notes

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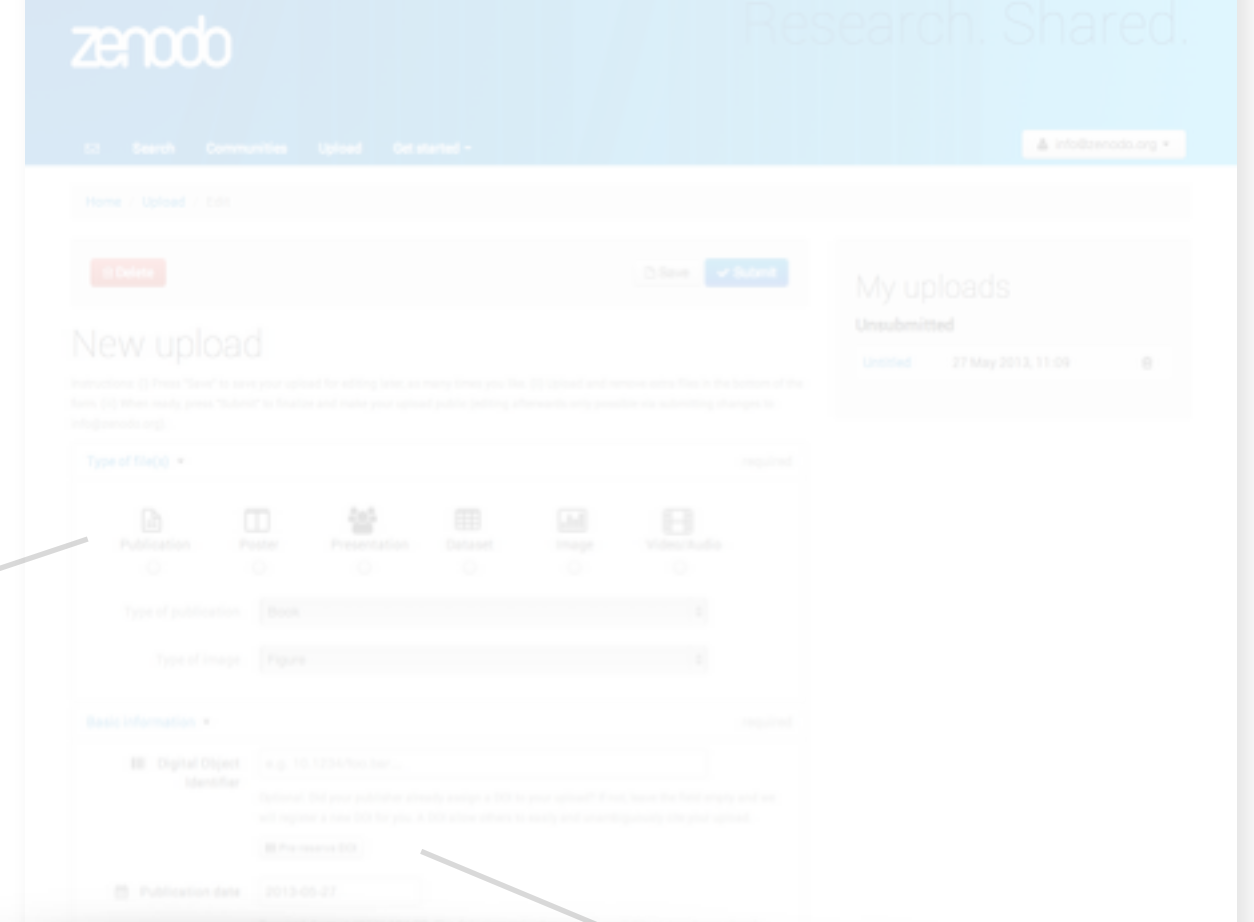
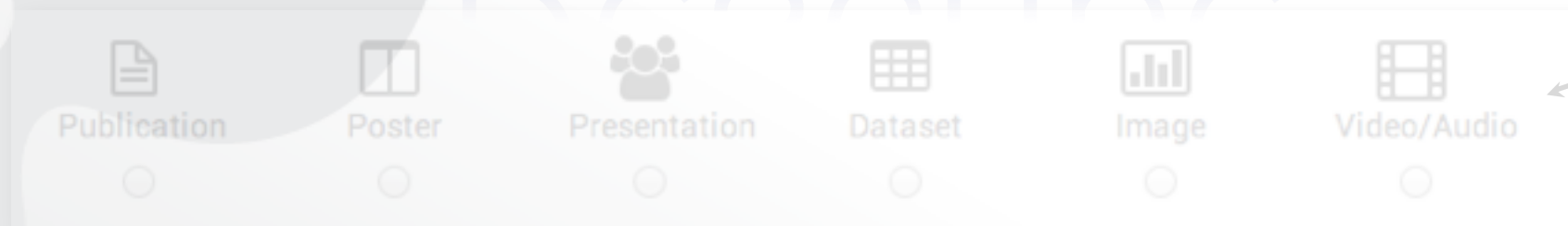
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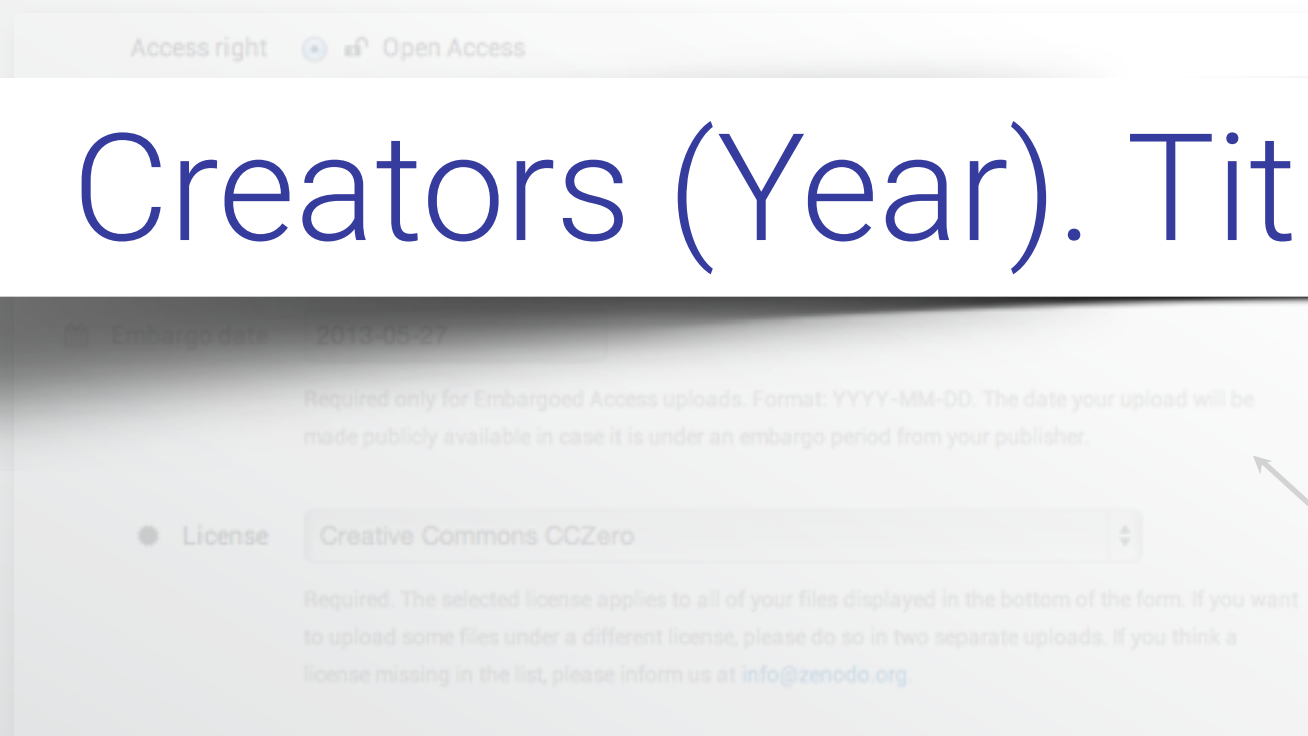
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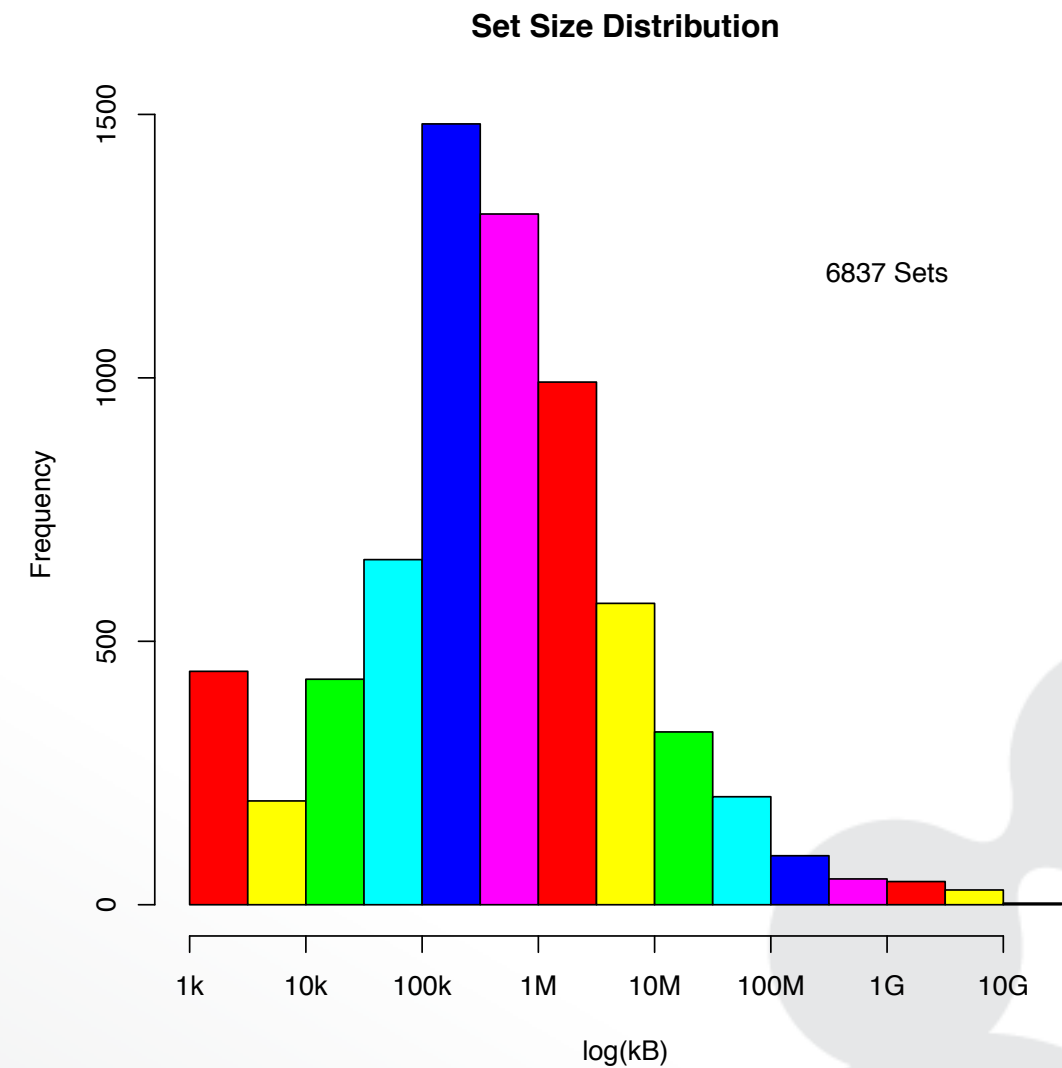
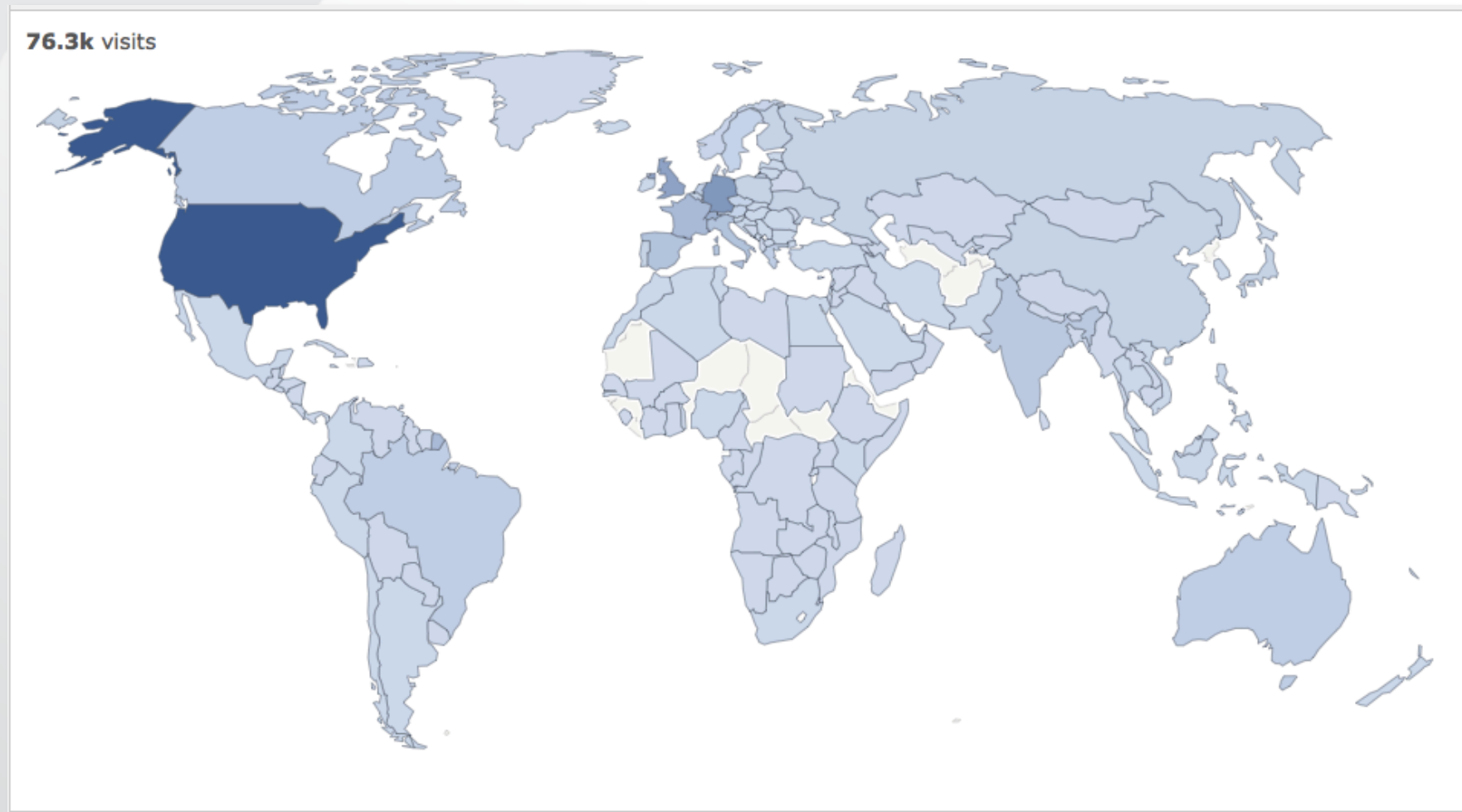
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Communities

15 April 2015 Dataset Open access

✓ Accept ✗ Reject

Microscopic vehicular mobility trace of Europarc roundabout, Creteil, France (vehicular-mobility-trace.github.io: v1.0)

Frédéric Le Mouél ; Marie-Ange Lèbre ; Eric Ménard

First release of the Europarc roundabout micro mobility dataset, Creteil, France.
http://vehicular-mobility-trace.github.io/

Uploaded by flemouel on 16 April 2015.

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The screenshot shows the Zenodo website interface. At the top, the Zenodo logo and the tagline "Research. Shared." are visible. Below the navigation bar, there is a search bar and a section titled "Astronomy Thesis Collection". Under "Recent Uploads", three items are listed:

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Spectroscopy: Instrumentation and Applications to the Galaxy and to the Large Scale Structure of the Universe
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I study the design and construction of modern spectrographs and use spectrographs to study the properties of galaxies in a local galaxy redshift survey and to study the structure of our own Galaxy from a stellar radial velocity survey. I perform four ...
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Simulation and Analysis of Magnetic Reconnection in a Laboratory Plasma Astrophysics Experiment
Murphy, Nicholas; Sovinec, Carl; Zweibel, Ellen
Magnetic reconnection is an inherently multiscale process in which small-scale physics and large-scale dynamics both play important roles. To address the interplay between local and global effects, extended magnetohydrodynamic (MHD) simulations of the ...
Uploaded by namurphy on 14 April 2015.
- 18 August 2018** | Thesis | Open access | [View](#)
The Structure and Evolution of Massive Star and Cluster Forming Regions
Battersby, Cars; Bally, John

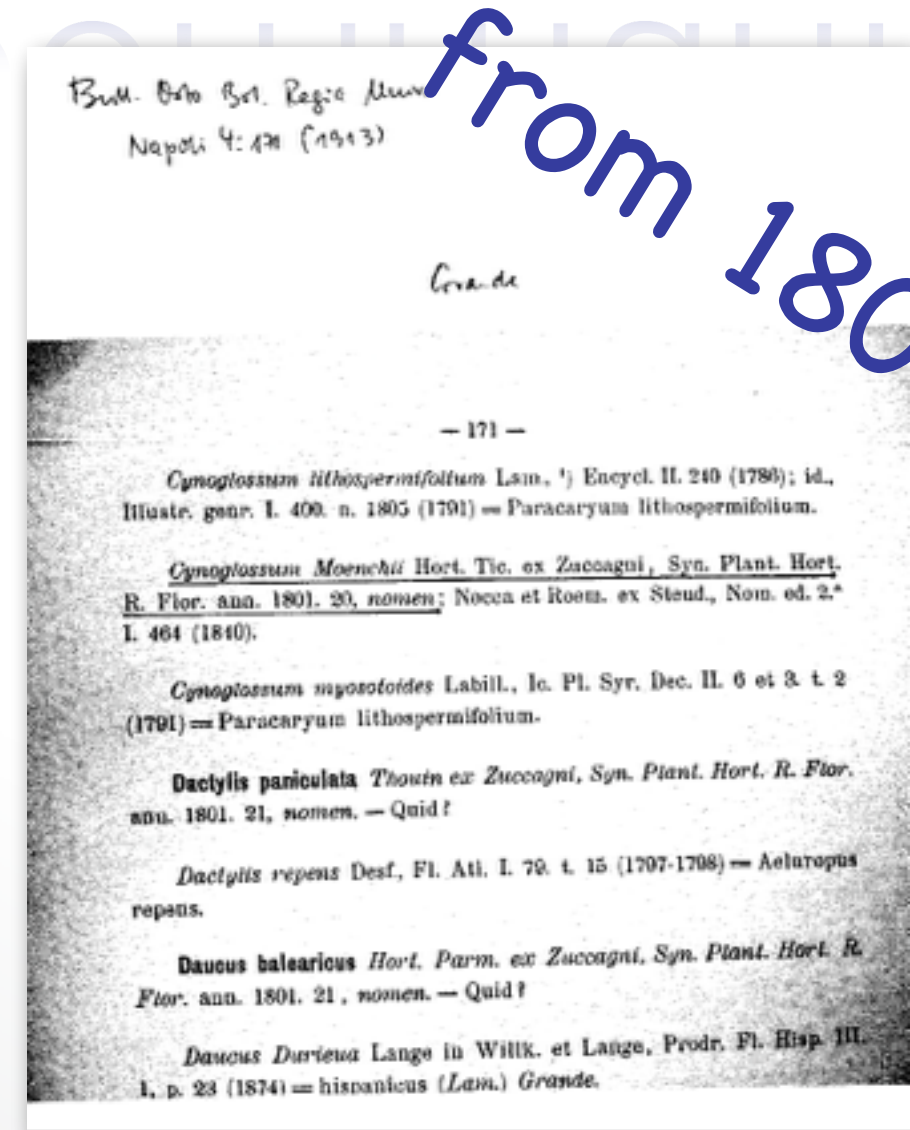
On the right side of the page, there is a "Community collection" section for the "Astronomy Thesis Collection". It includes a description: "This community, curated by astronomy librarians, aims to bring together astronomy and astrophysics theses and dissertations. Share the full text of your cumulative research with the world by uploading it as open-access to this subject based community. Once added to the community, it can be indexed by ADS, searched for on Zenodo, and browsed to in the community page. The ADS indexes this community once a month." It also lists the title, curator (AstroCurator), and a curation policy.

The screenshot shows the ADS abstract page for the thesis "Core-collapse Supernova Progenitors in the Era of Untargeted Transient Searches" by Sanders, Nathan Edward. The page includes navigation tabs for Abstract, References (59), Citations, Co-Reads, Similar Articles, Graphics, and Table of contents. The abstract text reads:

Core-collapse Supernova Progenitors in the Era of Untargeted Transient Searches
Sanders, Nathan Edward
[show affiliations](#)
Ph.D. thesis, Harvard University (2014), 567 pages
Published in Apr 2014

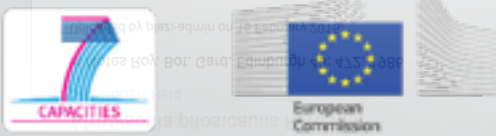
Core-collapse supernovae (SNe) are the highly energetic explosions of massive stars (> 8 solar masses) that are pervasive in their influence throughout astrophysics. They are the phenomenon with primary responsibility for enriching the universe with many of the heavy elements (like carbon and oxygen) that are needed for life, provide a critical feedback pressure which helps to shape the galaxies that host them, and are the likely formation mechanism for stellar mass black holes. In the past decade, the study of these explosions has been revolutionized by the advent of wide field, untargeted transient searches like Pan-STARRS1 (PS1). These new searches permit the discovery of SNe at unprecedented rates, and absent of many of the selection effects that have enforced biases on past, targeted transient searches. This thesis presents a broad survey of core-collapse SN phenomenology exhibited in the discoveries of untargeted searches, and statistically quantifies population properties of these explosions that link them to distinct classes of progenitor stars. Through studies of the host galaxy and explosion properties of extreme PS1-discovered events, and controlled samples of specific classes of core-collapse objects, we constrain the effect of progenitor star chemical composition (metallicity) on their eventual death states. We provide a new observational, photometric tool which lowers the cost of precisely and accurately measuring the metallicities of distant galaxies and supernova host environments. Moreover, we develop and apply a novel, multi-level Bayesian model for optical transient light curves which we apply to simultaneously interpret more than 20,000 PS1 images. This study illustrates how population-level modeling of data from large photometric surveys can yield improved physical inference on their progenitor stars through comparison to physical models. In the coming era, as next-generation facilities like the Large Synoptic Survey Telescope come online, the supernova discovery rate will accelerate, faroutpacing the community's capacity for detailed individual observational follow-up. New observational and statistical tools like those presented here will be critical to enable the next generation of studies in supernova astrophysics.

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from 1801

DOI 10.5281/zenodo.15434



Biodiversity Community



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Savignia naniplopi, Bosselaers

Publication Data, Additional Information (status, external links, etc)	
treatment citation	Bosselaers, Jan & Henderickx, Hans, 2002, A new Savignia from Cretan caves (Araneae: Linyphiidae), Zootaxa 109, pp. 1-8: 3-5
publication ID	z00109
link to original citation	http://www.mapress.com/zootaxa/2002/z00109.pdf
treatment provided by	Jeremy
persistent identifier	http://treatment.plazi.org/id/2724FAE2-30EE-31FC-9159-6FE255C80F01
additional text versions	Plain XML, TaxonX
scientific name	Savignia naniplopi
status	sp. nov.
external databases	
distribution map	GoogleMaps

Treatment

Savignia naniplopi sp. nov. (Figs. 1-12 [View](#) [View](#))

Type material. Holotype male, GREECE: Crete, Iraklion, Marathos, Arkalospiliara cave [GoogleMaps](#), 560 m, N 35° 20.276' E 24° 57.884', 18 Dec 2000, H. Henderickx leg. (RBNS). [GoogleMaps](#) Paratypes: three females, same locality, 25 May 2001, H. Henderickx and V. Vets leg. (RBNS) [GoogleMaps](#)

Additional material. GREECE: Crete, Iraklion, Marathos, Dox three females, 26 March 1997, H. Henderickx and G. Verkerk Henderickx leg. (CH4) [GoogleMaps](#), one female, 24 May 2001 female, 25 May 2001, H. Henderickx and V. Vets leg. (CUB) [GoogleMaps](#)

Diagnosis. The new species is similar to *Savignia frontata*, *S. producta* through the possession of a long male cephalic snout palpal tibial apophysis, details of the male palpal structure, et that the male cephalic snout bears the PME instead of the AI *fronticomis* (compare Wunderlich 1995: 653, fig. 25) but has

Etiymology. The species is named after the gnome (Latin "gnom" whose cap is similar in shape to the male cephalic snout of the

Description.

Male. Total length 1.58. Carapace length: 0.71; width: 0.58. C



Holotype, Lectotype, Neotype:  Paratype, etc.: 

DOI [10.5281/zenodo.14838](https://zenodo.org/doi/10.5281/zenodo.14838)

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Files

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AAJ 558, A33 (2013)
DOI: 10.1051/0004-6361/201322068
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Astronomy
& Astrophysics

Astropy: A community Python package for astronomy

The Astropy Collaboration, Thomas F. Robitaille¹, Erik J. Tollerud^{2,3}, Perry Greenfield⁴, Michael Drozdzboom⁵, Erik Bray⁶, Tom Aldcroft⁷, Matt Davis⁸, Adam Ginsburg⁹, Adrian M. Price-Whelan¹⁰, Wolfgang E. Kerzendorf¹¹, Alexander Conley¹², Neil Crighlon¹³, Kyle Barbary¹⁴, Dennis Mans¹⁵, Henry Ferguson¹⁶, Frédéric Groulier¹⁷, Madhura M. Parikh¹⁸, Prasanth H. Nair¹⁹, Hans M. Günther²⁰, Christoph Deil²¹, Julien Weilhez²², Simon Conseil²³, Roban Kramer²⁴, James E. H. Turner²⁵, Leo Singer²⁶, Ryan Fox²⁷, Benjamin A. Weaver²⁸, Victor Zabalza²⁹, Zachary I. Edwards³⁰, K. Azaloe Bostroem³¹, D. J. Burke³², Andrew R. Casey³³, Steven M. Crawford³⁴, Nadia Doncheva³⁵, Justin Ely³⁶, Tim Jenness^{37,38}, Kathleen Labrie³⁹, Piy Lian Lim⁴⁰, Francesco Pierfederici⁴¹, Andrew Postnes^{42,43}, Andy Pluk⁴⁴, Brian Rafald⁴⁵, Mathieu Servillat^{46,47}, and Ole Streicher⁴⁸

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- ² e-mail: rob11a11@mpia.de
- ³ Department of Astronomy, Yale University, PO Box 208101, New Haven, CT 06510, USA
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- ⁵ Space Telescope Science Institute, 3700 San Martin Drive, Baltimore, MD 21218, USA
- ⁶ Harvard-Smithsonian Center for Astrophysics, 60 Garden Street, Cambridge, MA 02138, USA
- ⁷ Center for Astrophysics and Space Astronomy, University of Colorado, Boulder, CO 80509, USA
- ⁸ Department of Astronomy, Columbia University, Pupin Hall, 550W 120th St., New York, NY 10027, USA
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- ¹¹ Department of Astronomy, Ohio State University, Columbus, OH 43210, USA
- ¹² S.V. National Institute of Technology, 390007 Surat, India
- ¹³ Independent developer
- ¹⁴ Max-Planck-Institut für Kernphysik, PO Box 107090, 69229 Heidelberg, Germany
- ¹⁵ European Southern Observatory, Karl Schwarzschild-Str. 2, 85748 Garching bei München, Germany
- ¹⁶ Laboratoire d'Astrophysique de Marseille, OAMP, Université Aix-Marseille et CNRS, 13388 Marseille, France
- ¹⁷ ETH Zürich, Institute for Astronomy, Wolfgang-Pauli-Strasse 27, Building HBT, Floor 1, 8001 Zürich, Switzerland
- ¹⁸ Gemini Observatory, Casilla 603, La Serena, Chile
- ¹⁹ LIGO Laboratory, California Institute of Technology, 1200 E. California Blvd., Pasadena, CA 91125, USA
- ²⁰ Center for Cosmology and Particle Physics, New York University, New York, NY 10003, USA
- ²¹ Department of Physics and Astronomy, Louisiana State University, Nicholson Hall, Baton Rouge, LA 70803, USA
- ²² Research School of Astronomy and Astrophysics, Australian National University, Mount Stromlo Observatory, via Cotter Road, Weston Creek ACT 2611, Australia
- ²³ SANG, PO Box 9, Observatory 7915, 7925 Cape Town, South Africa
- ²⁴ Joint Astronomy Centre, 660 N. A'ohoku Place, Hilo, HI 96720, USA
- ²⁵ Department of Astronomy, Cornell University, Ithaca, NY 14853, USA
- ²⁶ Gemini Observatory, 670 N. A'ohoku Place, Hilo, HI 96720, USA
- ²⁷ Oxford Astrophysics, Denys Wilkinson Building, Keble Road, Oxford OX1 3RH, UK
- ²⁸ Department of Physics and Astronomy, University College London, Gower Street, WC1E 6BT, UK
- ²⁹ NASA Goddard Space Flight Center, X-ray Astrophysics Lab-Code 662, Greenbelt, MD 20771, USA
- ³⁰ Laboratoire AIM, CEA Saclay, Bât. 709, 91191 Gif-sur-Yvette, France
- ³¹ Leibniz-Institut für Astrophysik Potsdam (APD), An der Sternwarte 16, 14482 Potsdam, Germany

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 coordinates 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

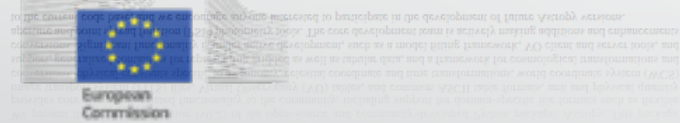
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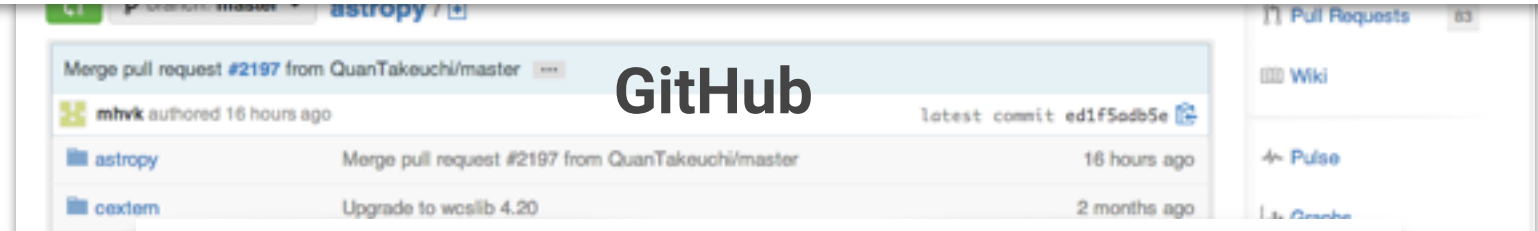
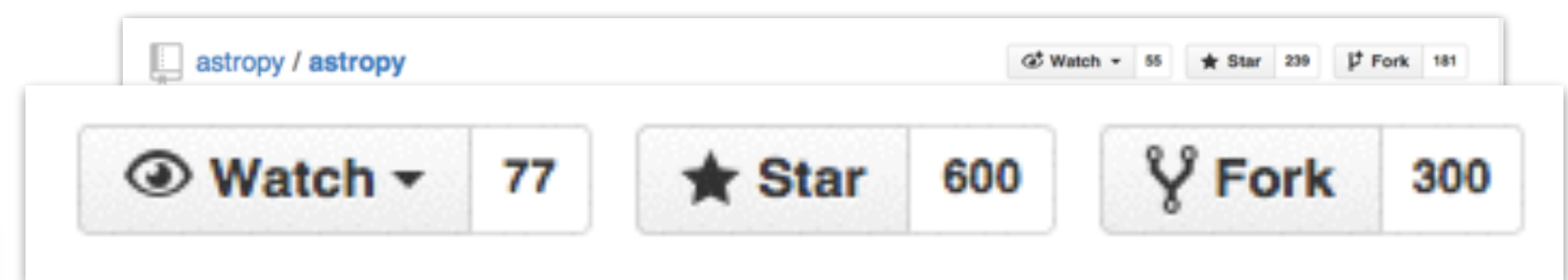
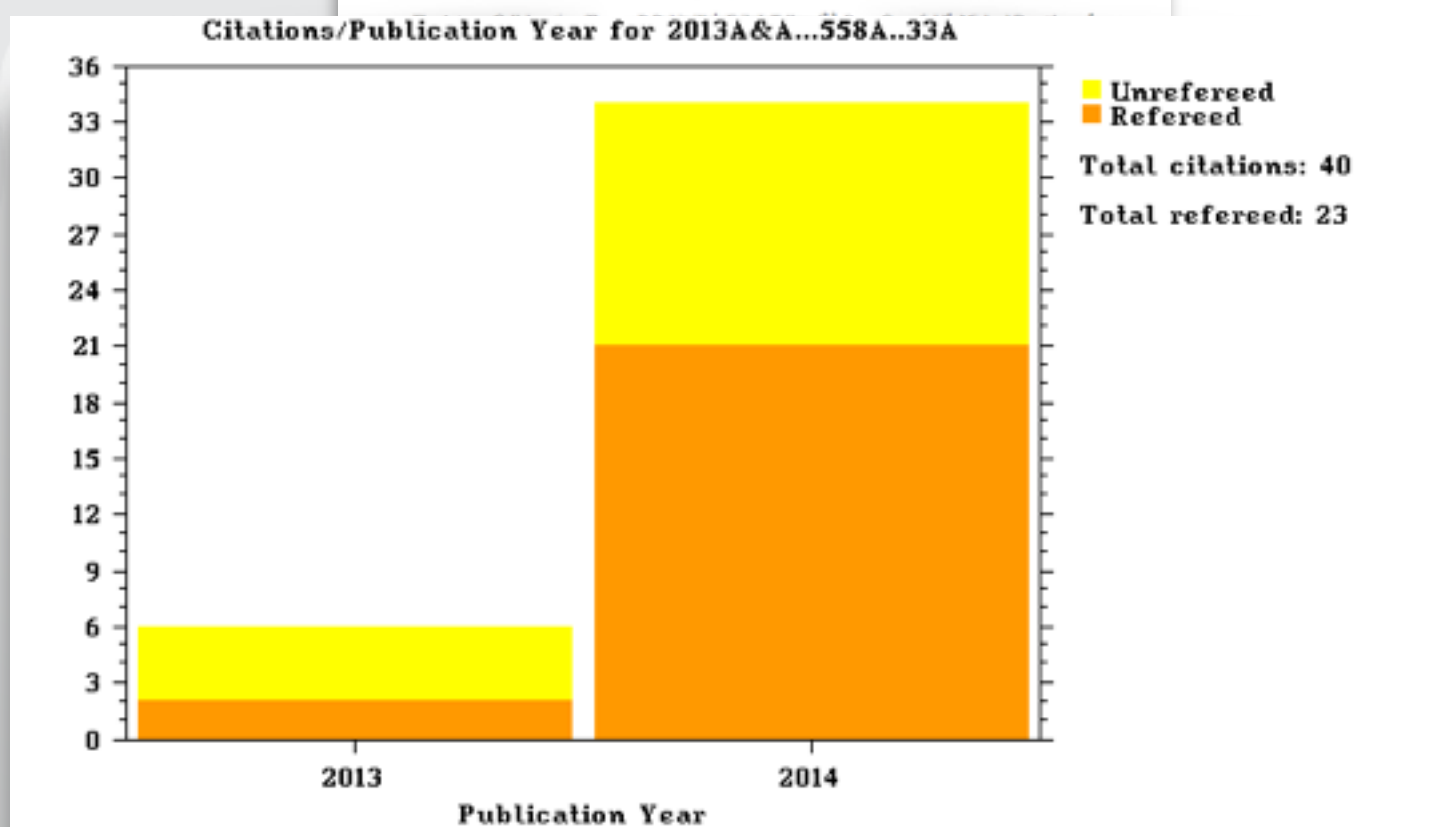
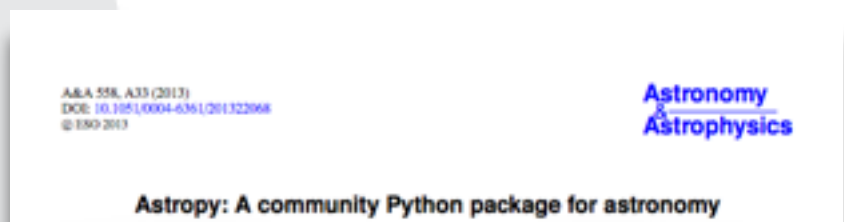
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Key words: methods: data analysis – methods: miscellaneous – virtual observatory tools





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papers 2008-2014

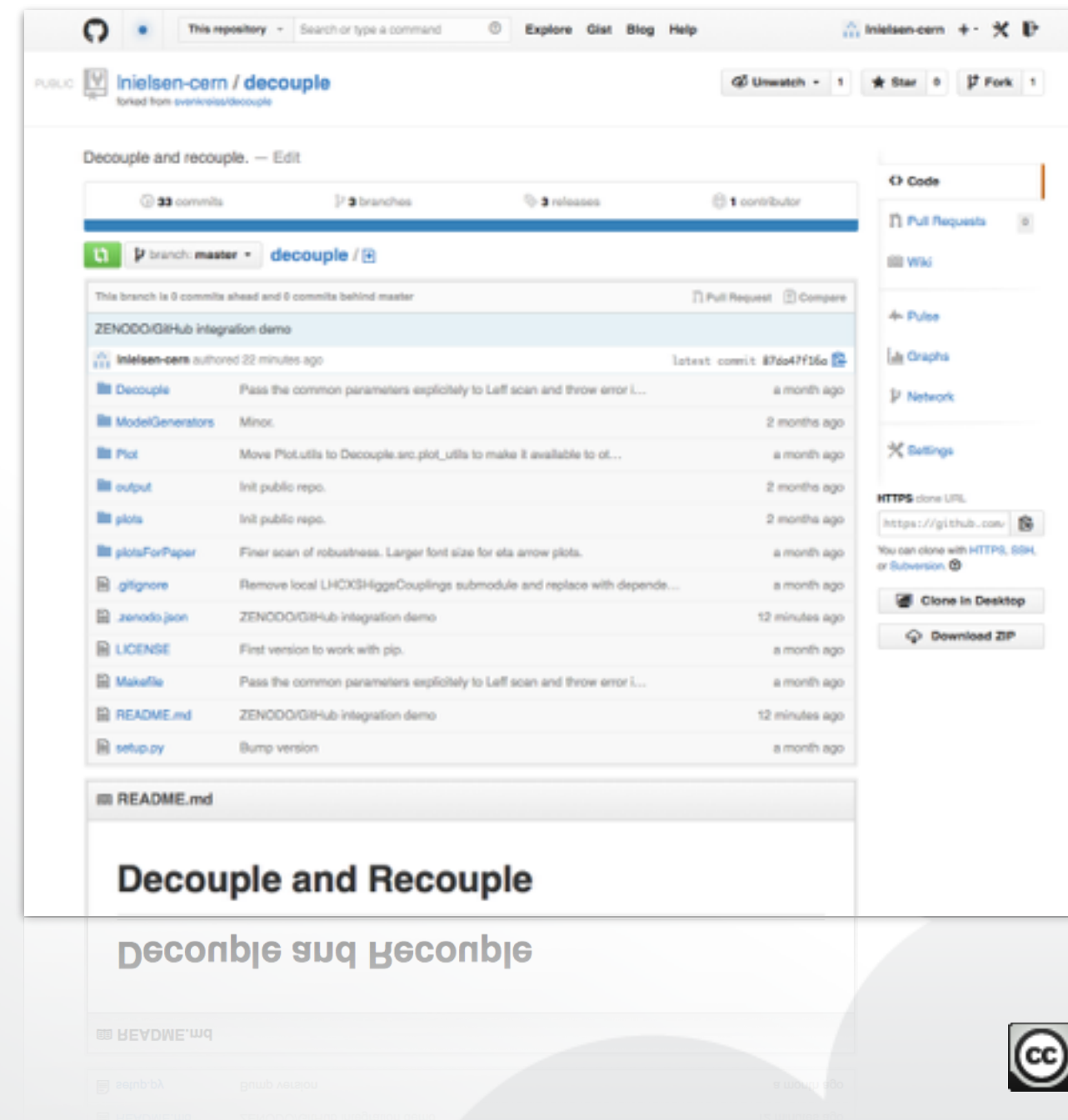
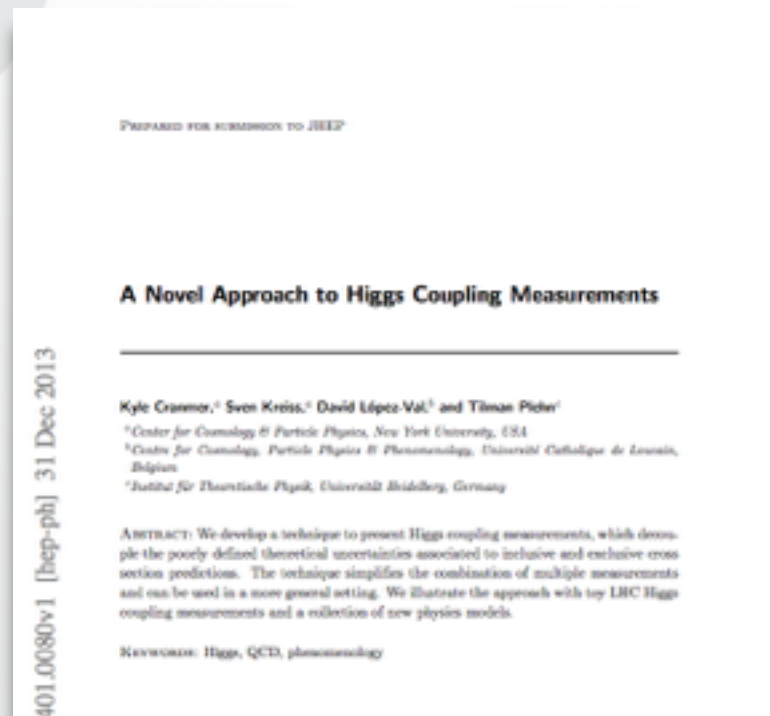
www.babbar.org/5000/5014



4000

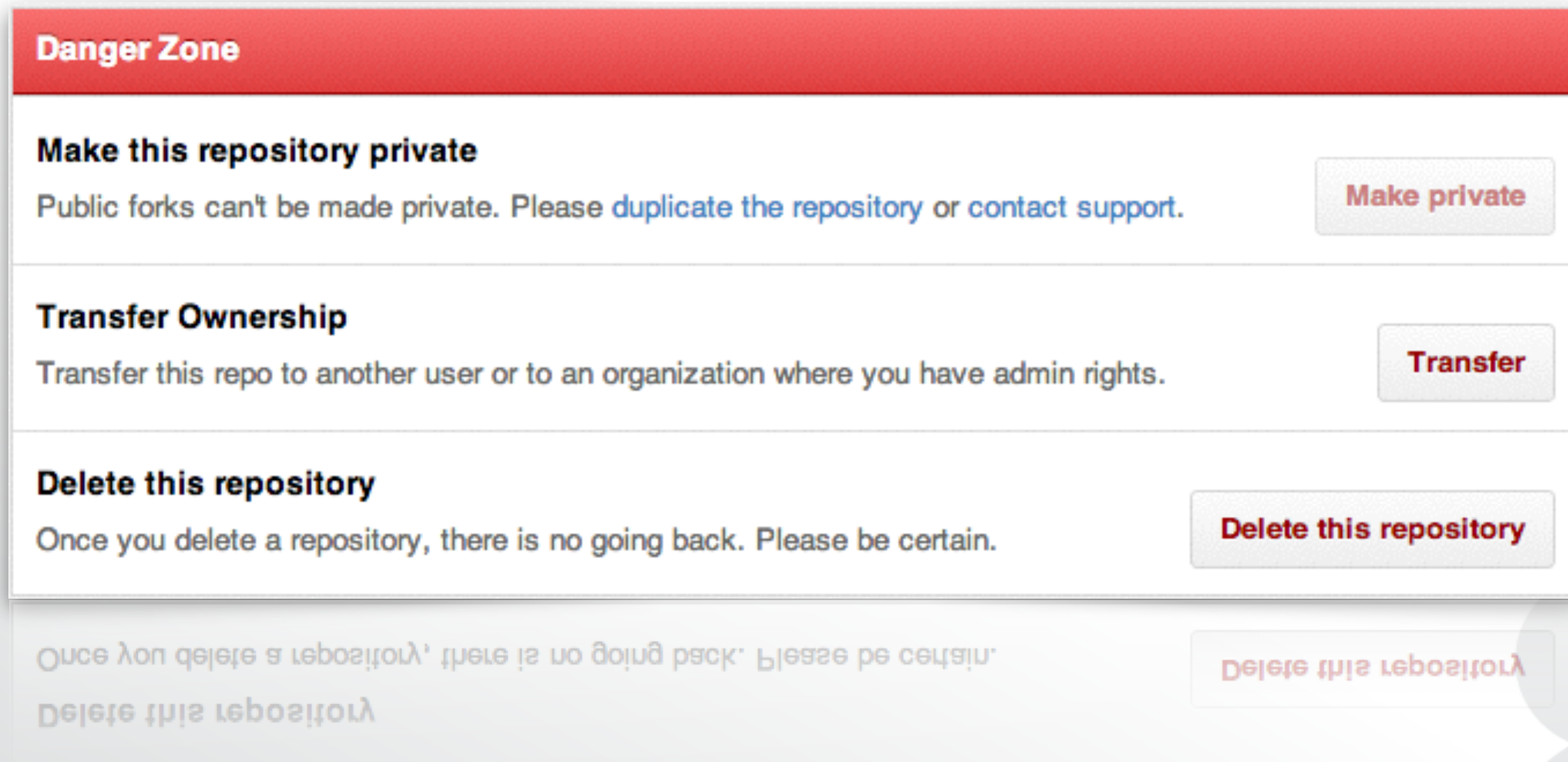
caveat: quick'n'dirty ADS search

Software citation



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

GitHub + Science



The screenshot shows the '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 descriptive text 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**

Archiving

WIKI

Crediting

ORCID

GitHub meets Zenodo

The screenshot shows the Zenodo 'GitHub Repositories' management page. A list of repositories is shown, with 'inielsen-cern/decouple' selected and its toggle switch turned 'ON'. Other repositories listed include 'altantis-conf', 'dictdiffer', 'flask-bower-grunt', and 'flask-cache'.

The screenshot shows the GitHub repository page for 'inielsen-cern/decouple'. A callout box highlights the 'v1.1.3' release with its commit hash '07a2526' and download options for 'zip' and 'tar.gz'. Another callout points to the '.zenodo.json' file in the repository's file list.

v1.1.3 ...
07a2526 zip tar.gz

Releases

```
{  
  "name": "Piehn, Tilman",  
  "affiliation": "Institut für Theoretische Ph...",  
},  
  "description": "This repository contains the soft...",  
  "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

zenodo Research. Shared.

07 March 2014

decouple software associated to arXiv:1401.0080

Cranmer, Kyle; Kreiss, Sven

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`.

Name	Date	Size
decouple-v1.2.5.zip	08 Mar 2014	296.6 kb

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HEP :: HEP-NAMES :: INSTITUTIONS :: CONFERENCES :: JOBS :: EXPERIMENTS :: JOURNALS :: HELP

Information **decouple software associated to arXiv:1401.0080** Citations (0) Files

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

[Link to Zenodo](#) [Link to GitHub](#)

Export
BibTeX, EndNote, LaTeX(JUS), LaTeX(EU), HarvMARC, MARCXML, NLM, DC

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Information **A Novel Approach to Higgs Coupling Measurements** References (166) Citations (0) Files **Plots** HepData

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 Col](#) | [new physics](#) | [decoupling](#)

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

[Show more plots](#)



INVENIO

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

<http://github.com/zenodo>



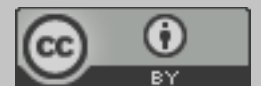
<http://inspirehep.net/>



Safety



Bit Rot



Easy to use

DropBox integration

Drag-n-drop deposition

Programmable API

Low barriers

Little fixed metadata

No restrictions

Type, format, license

Differentiating

Features

Features

**Distributed
community
curation**

Longevity

Not a company

Large-scale operation

Participate

The screenshot shows the GitHub interface for the zenodo/zenodo repository. The repository name is at the top, along with statistics: 13 Unwatched, 27 Stars, and 21 Forks. Below this, there are tabs for Issues, Pull requests, Labels, and Milestones. A search bar contains the query "is:open is:issue label:'road map'". A list of 25 open issues is displayed, each with a title, issue number, creation date, author, and various labels such as "Backlog", "enhancement", "road map", and "Support".

Issue Title	Issue Number	Created	Author	Labels
Road map update	#227	8 days ago	nielsen	Tools, enhancement, road map
records: align internal metadata scheme with CrossRef	#131	opened on Feb 23	myrnetaras	Backlog, enhancement, road map
global: certification + ala	#189	opened on Feb 20	nielsen	Backlog, enhancement, LU, road map
deposit: max file size increase per user	#152	opened on Feb 4	nielsen	Backlog, enhancement, Support, road map
deposit: sharing of uploads	#151	opened on Feb 4	nielsen	Backlog, enhancement, Support, road map
oai-pmh: rioxx application profile support in export	#140	opened on Feb 2	nielsen	Backlog, Support, road map
community: request upload to be added to community	#136	opened on Jan 27	nielsen	Backlog, enhancement, Support, road map
deposit: better browsing of my deposits	#113	opened on Jan 12	nielsen	Backlog, enhancement, road map
search: better display of enabled facets (a la ADS)	#137	opened on Jan 7	nielsen	Backlog, enhancement, LU, road map
general: vocabulary management and persistent identifiers	#106	opened on Jan 7	nielsen	Backlog, enhancement, BLR, CIA, LU, road map
general: internationalization/localization	#135	opened on Jan 7	nielsen	Backlog, enhancement, LU, road map
communities: branding	#134	opened on Jan 7	nielsen	Backlog, enhancement, BLR, CIA, LU, road map

Thank you

zenodo

Research. Shared.

 <http://zenodo.org>

 @zenodo_org

 lars.holm.nielsen@cern.ch

FYI

