

# Dataset publication by Leiden University researchers

Núria Raga Raga | Centre for Digital Scholarship 2022



## Data Management Regulations Leiden University 2021

“Article 11: Digital research data are sustainably stored in an archive/repository, preferably a certified repository [...]. The faculty/institute data protocol includes a list of preferred archives/repositories.”



Look at the CoreTrustSeal requirements to know more about repository certification: [10.5281/zenodo.7051096](https://10.5281/zenodo.7051096)

Repositories used by Leiden University researchers

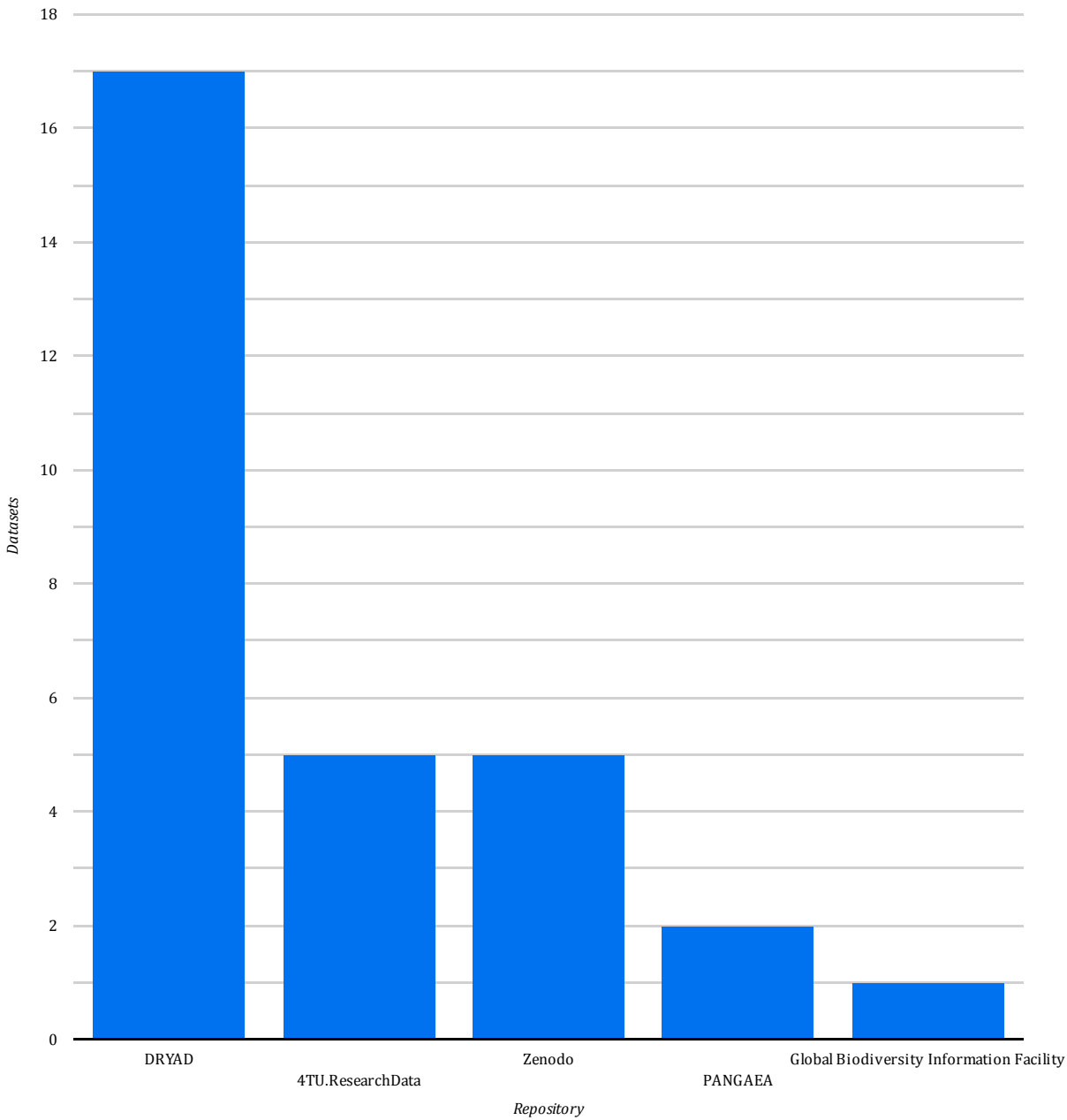
List of repositories used by researchers in the Naturalis Biodiversity Center and number of datasets published.



	Repository	Datasets ▾
1.	DRYAD	17
2.	4TU.ResearchData	5
3.	Zenodo	5
4.	PANGAEA	2
5.	Global Biodiversity Information Facility	1

1 - 5 / 5 < >

Datasets  
30



Repositories used by Leiden University researchers

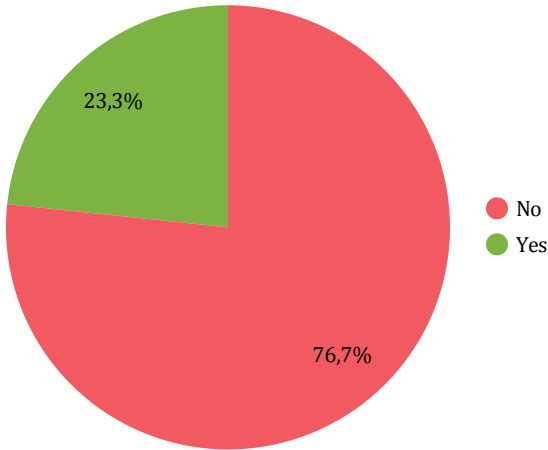
List of repositories used by researchers and certification of these repositories.

	Repository	Certification	Datasets ▾
1.	DRYAD	No	17
2.	4TU.ResearchData	Yes	5
3.	Zenodo	No	5
4.	PANGAEA	Yes	2
5.	Global Biodiversity Information Facility	No	1

1 - 5 / 5 < >

Datasets  
30

Percentage of datasets depending on the certification of their repositories and compliance of researchers with Data Management Regulations: archiving data in certified repositories.



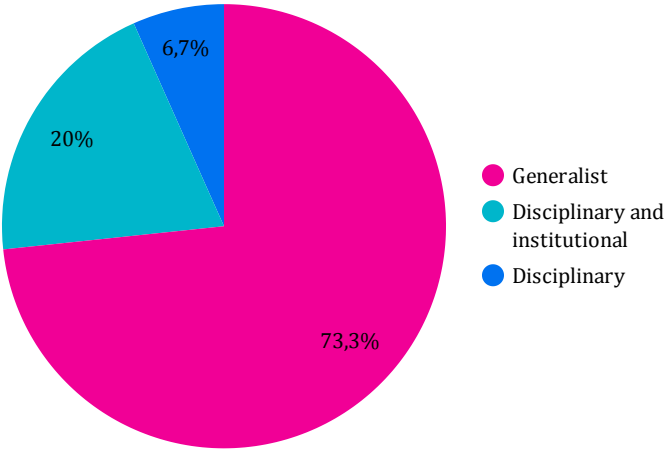
Repositories used by researchers in the Naturalis Biodiversity Center

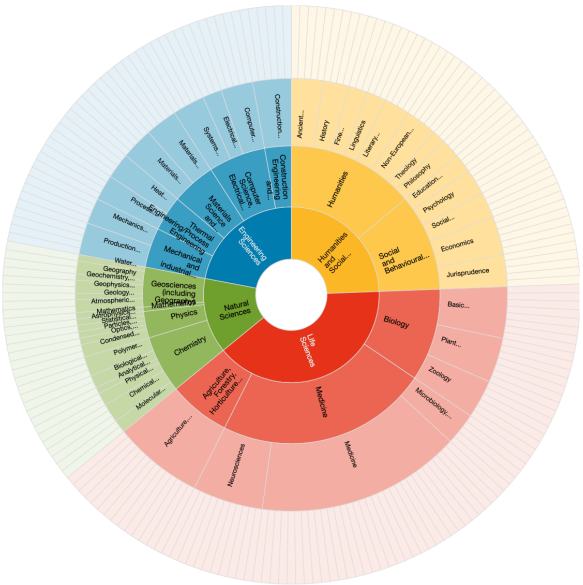
Type of repositories used by researchers and link to the information of each repository (clicking the logo)



Repository	Repository type	Datasets ▾
1. DRYAD	Generalist	17
2. 4TU.ResearchData	Disciplinary and institutional	5
3. Zenodo	Generalist	5
4. PANGAEA	Disciplinary	2
5. Global Biodiversity Information Facility	Disciplinary and institutional	1

1 - 5 / 5 < >





# Generalist Repository Comparison Chart

doi: 10.5281/zenodo.3946719

This chart is designed to assist researchers in finding a generalist repository should no domain repository be available to preserve their research data. Generalist repositories accept data regardless of data type, format, content, or disciplinary focus. For this chart, we included a repository available to all researchers specific to clinical trials (Vivli) to bring awareness to those in this field.

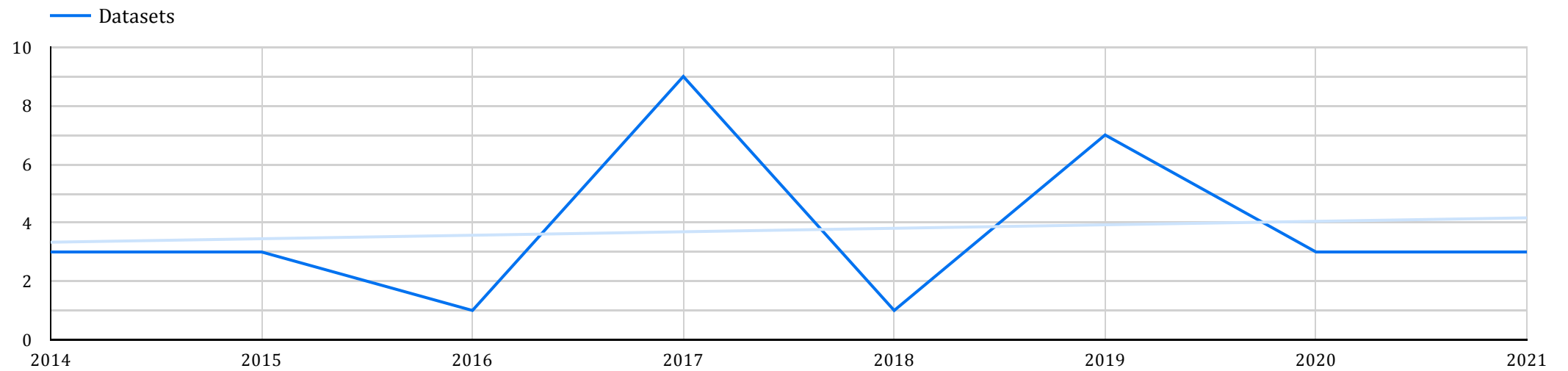
<https://fairsharing.org/collection/GeneralRepositoryComparison>

TOPIC	<u>HARVARD DATAVERSE</u> REPOSITORY	<u>DRYAD</u>	<u>FIGSHARE</u>	<u>MENDELEY DATA</u>	<u>OSF</u>	<u>VIVLI</u>	<u>ZENODO</u>
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## Deposits of datasets per year

Number of datasets deposited per year in the centre.

As a reference: the first Data Management Regulations were published in 2016.



## Datasets linked to an article

Not all datasets published are related to an article.

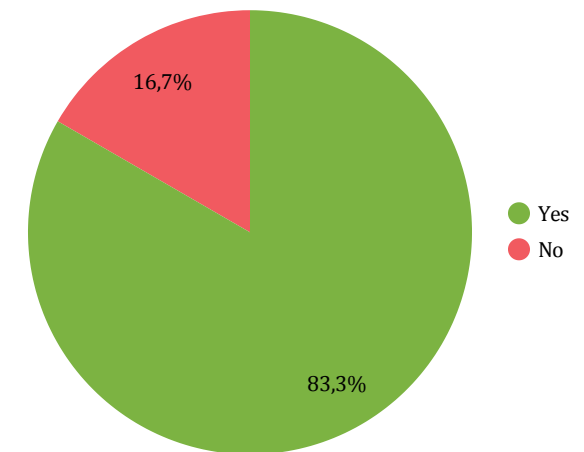
List of journals that have articles related to datasets of the centre.

Journal

	Journal	Datasets ▼	Articles
1.	Molecular Ecology	4	4
2.	Journal of Biogeography	2	2
3.	FEMS Microbiology Ecology	1	1
4.	The American Naturalist	1	1
5.	Communications Biology	1	1
6.	BMC Evolutionary Biology	1	1
7.	bioRxiv	1	1
8.	PLoS One	1	1
9.	Biology Open	1	1
10.	Current Biology	1	1
11.	PhytoKeys	1	1
12.	ZooKeys	1	1
13.	Biological Conservation	1	1
14.	Molecular Phylogenetics and Evolution	1	1
15.	Global Ecology and Biogeography	1	1
16.	Plant Methods	1	1

1 - 21 / 21 < >

## Datasets related to an article



Datasets

30

Datasets related to an article

25



Metrics related to repositories

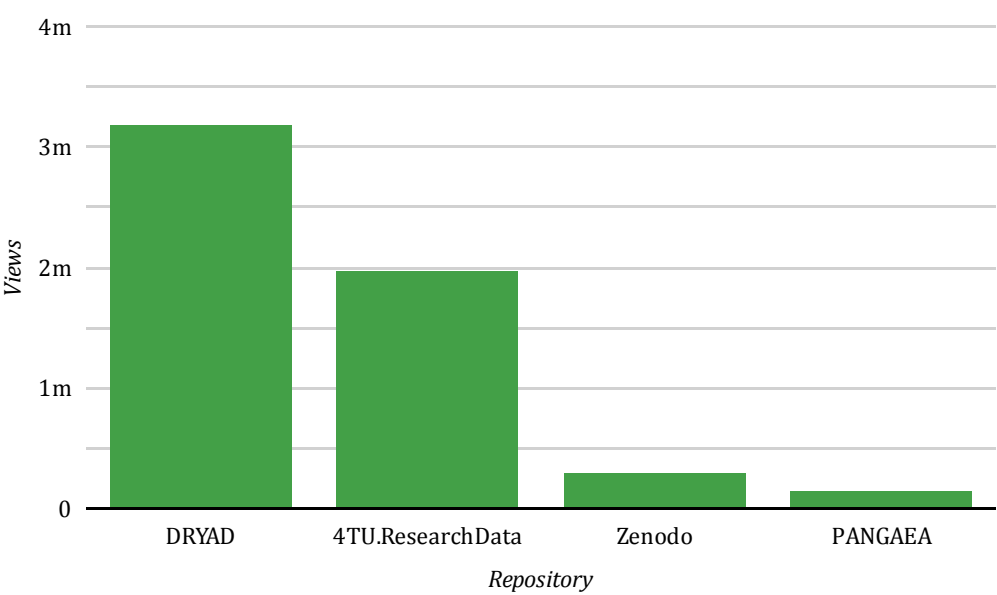
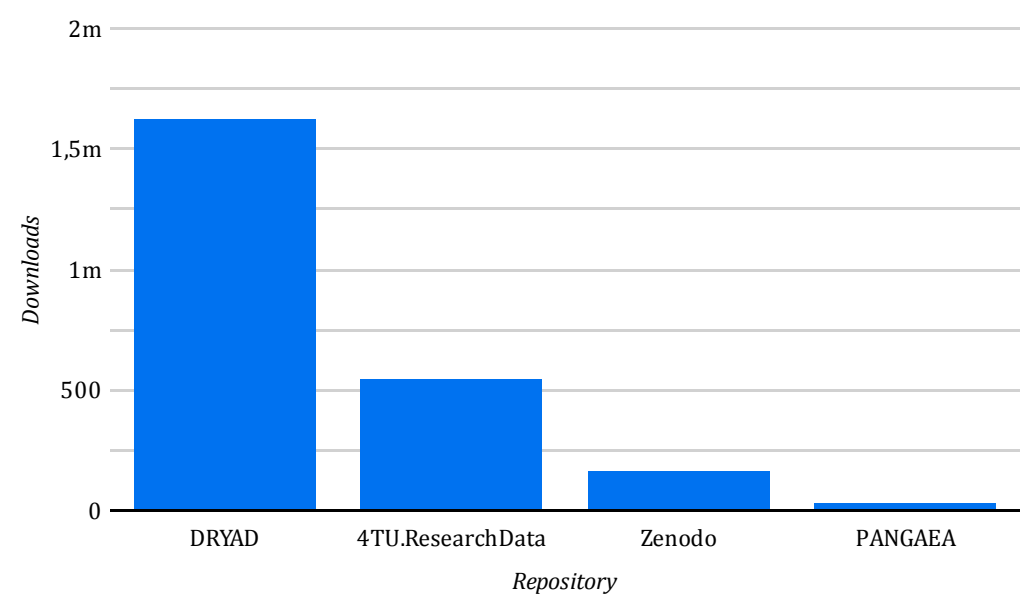
Not all repositories allow us to see metrics of datasets.  
This is a list of datasets with the number of downloads and views that appear in the repository.

Dataset title



The graphics show the 4 repositories with more downloads or views.

	Dataset DOI	Dataset title	Repository	Downloads ▾	Views
1.	10.5061/dryad.2fc32	Data from: Long-term experimental warming alters community composition of ascomycetes in Alaskan moist and dry arctic tundra	DRYAD	613	300
2.	10.5061/dryad.n82g9	Data from: Abrupt changes in the composition and function of fungal communities along an environmental gradient in the High Arctic	DRYAD	270	260
3.	10.5061/dryad.cq2rb	Data from: Compositional and functional shifts in arctic fungal communities in response to experimentally increased snow depth	DRYAD	255	211
4.	10.4121/uuid:6efd2682-8160-4cc8-b3c3-452343439714	Measurements of gigantopterid material from the Jambi flora	4TU.ResearchData	139	390
5.	10.5061/dryad.r7201	Data from: Natural hybridization between genera that diverged from each other approximately 60 million years ago	DRYAD	118	303
6.	10.4121/uuid:0659e6b5-8200-40b6-96af-45283f2f91ad	Measurements of material from peltasperm seedferns	4TU.ResearchData	118	380



LU Contributors in the datasets

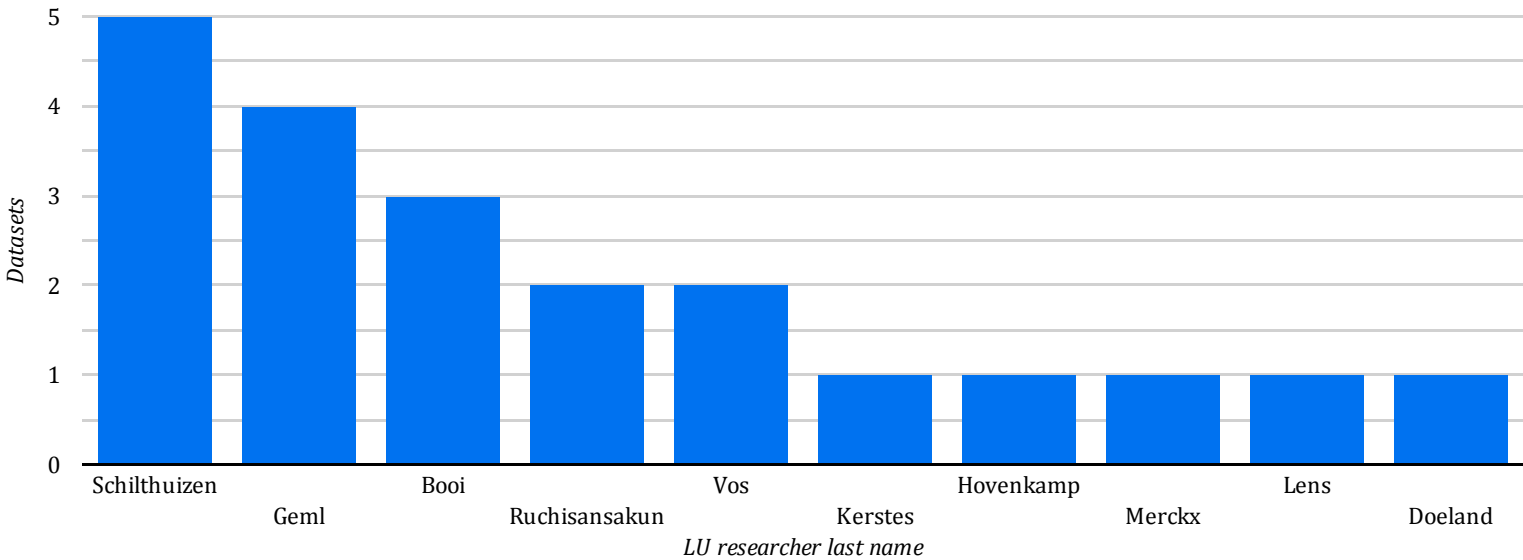
List with the principal LU contributors to the datasets and metrics associated with these contributors.

The graphic shows the 10 researchers with more published datasets.

Author last name

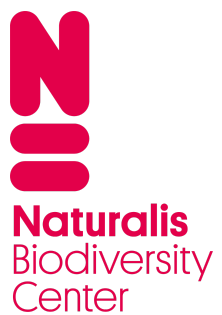


	First name	Last name	ORCID	Scopus ID	Datasets ▾	Downloads	Views
1.	Menno	Schilthuizen	0000-0001-6229-0347	55933637800	5	136	595
2.	József	Geml	0000-0001-8745-0423	16645435300	4	574	780
3.	Menno	Booi	0000-0002-0537-0866	24480619800	3	373	1.156
4.	Saroj	Ruchisansakun	0000-0002-7022-8831	56275548100	2	172	816
5.	Rutger	Vos	0000-0001-9254-7318	36161555400	2	69	140
6.	Niels	Kerstes	null	35311055300	1	23	265
7.	Freek	Vonk	null	12141488700	1	36	257
8.	Peter	Hovenkamp	0000-0002-4124-2175	6602464321	1	118	303
9.	Tatiana	Semenova	null	7102354876	1	613	300
10.	Jan	Wieringa	0000-0003-0566-372X	7003327425	1	11	131



Datasets

30



**Núria Raga Raga**  
Centre for Digital Scholarship  
[n.raga.raga@library.leidenuniv.nl](mailto:n.raga.raga@library.leidenuniv.nl)



DRYAD



Search  
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## Data from: Pupil diameter tracks lapses of attention

van den Brink, Ruud L., Leiden University  
Murphy, Peter R., University Medical Center Hamburg-Eppendorf, Leiden University  
Nieuwenhuis, Sander, Leiden University  
Publication date: October 17, 2017  
Publisher: Dryad  
<https://doi.org/10.5061/dryad.mp332>

### Citation

van den Brink, Ruud L.; Murphy, Peter R.; Nieuwenhuis, Sander (2017), Data from: Pupil diameter tracks lapses of attention, Dryad, Dataset, <https://doi.org/10.5061/dryad.mp332>

### Abstract

Our ability to sustain attention for prolonged periods of time is limited. Studies on the relationship between lapses of attention and psychophysiological markers of attentional state, such as pupil diameter, have yielded contradicting results. Here, we investigated the relationship between tonic fluctuations in pupil diameter and performance on a demanding sustained attention task. We found robust linear relationships between baseline pupil diameter and several measures of task performance, suggesting that attentional lapses tended to occur when pupil diameter was small. However, these observations were primarily driven by the joint effects of time-on-task on baseline pupil diameter and task performance. The linear relationships disappeared when we statistically controlled for time-on-task effects and were replaced by consistent inverted U-shaped relationships between baseline pupil diameter and each of the task performance measures, such that most false alarms and the longest and most variable response times occurred when pupil diameter was both relatively small and large. Finally, we observed strong linear relationships between the temporal derivative of pupil diameter and task performance measures, which were largely independent of time-on-task. Our results help to reconcile contradicting findings in the literature on pupil-linked changes in attentional state, and are consistent with the adaptive gain theory of locus coeruleus-norepinephrine function. Moreover, they suggest that the derivative of baseline pupil diameter is a potentially useful psychophysiological marker that could be used in the on-line prediction and prevention of attentional lapses.

### Data Files

Download dataset

October 17, 2017

### Related Works

#### Article

<https://doi.org/10.1371/journal.pone.0165274>

### Metrics

302 views

50 downloads

1 citations

### License

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DOI: 10.17616/R34S33

Certification: None

Repository type: Generalist

Principal institution: DRYAD (International)

Persistent identifier system: DOI

Metrics: Views, downloads and citations




\*Preservation: Merritt repository

### Usage Notes

#### All data

Data for van den Brink, Murphy & Nieuwenhuis: Pupil diameter tracks lapses of attention. Three types of data are provided: 1) Raw data; 2) the processed data that were used to compute metrics for inferential statistics; 3) and the metrics themselves. (1) Raw data are contained in the folder 'raw\_data'. The folder 'pupil\_data' contains four sub folders: \* edfs: Raw EDF files as produced by the EyeLink. \* samples: ASCII file containing data points from the EDF files (so the pupil data). \* events: ASCII file containing event type and timing information. Type: 0 = Scrambled image; 1 = Mountain; 2 = City; 32 = Response (space bar press). \* converted: MATLAB files containing the data imported into EEGLAB format. Each block is contained in a separate EEG entry within ALLEEG. The first channel is pupil diameter in pixels. The second and third channel are gaze x and gaze y respectively. Event type and timing are contained in EEG.event. The folder 'behavior' contains a MATLAB file per participant and block that contains the behavioral data. \* The relevant matrix here is 'response', which is organized as trials (rows) by variables (columns). Relevant columns are: Column 1 contains trial types (0 = Scrambled image; 1 = Mountain; 2 = City), Column 2 contains key code (32 = space bar; 0 = no response), Column 5 contains RTs (RT = 0 if no response), Column 7 contains response type (-1 = false alarm; 0 = miss; 1 = hit). (2) Processed data are contained in the folder 'processed\_data'. Within are text files that resulted from the sliding window analysis. In all files the first column is participant number, and the second column is block number. All following columns are data points (a value per window). These data served as regressors in all the major analyses. Folder and file names will tell you what's what. (3) Regression coefficients and slopes are contained in 'statistics'. All MATLAB files containing matrices on which the stats were run. \* Slopes, indicative of linear changes over time, are contained in 'Slopes\_xxx.mat'. Size: participant (rows) by block (columns). \* Linear regression coefficients are contained in 'Linear\_betas\_diameter/derivative.mat'. \* Quadratic regression coefficients are contained in 'Quadratic\_betas\_diameter.mat'. \* File suffix \_noTOT indicates that these are regression coefficients after taking time on task into account. The matrices that contain regression coefficients are of size Participant by block by measure. Measure: 1 = False alarm; 2 = Slow quintile 3 = RT; 4 = RTCV. In all of the above, the participants are in the same order as in the text files in the folder 'processed\_data'. Note that all statistics were run on the block-average of these matrices.

vandenBrinketal2016PONE.zip



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**Dataset Calculated Moves**

**Chapter 7 - Validation**

Chapter 3 - Team coordination.zip

Chapter 4 - Rewards.zip

Chapter 5 - Transfer learning.zip

README.txt

data.zip (201.39 MB)

DOI: 10.17616/R3VG6N

Certification: CoreTrustSeal

Repository type: Disciplinary and institutional

Subjects: Hydrogeology, hydrology, limnology, urban water management, water chemistry, bioinformatics, biology, urbanism, geosciences, construction engineering and architecture

Principal institution: 4TU.Federation (Netherlands)

Persistent identifier system: DOI

Metrics: Views, downloads and citations

**Research data of the PhD thesis: Calculated Moves: Generating Air Combat Behaviour**

[Cite](#) [Download \(201.39 MB\)](#) [Share](#) [Embed](#) [+ Collect](#)

Dataset posted on 15.01.2020, 01:00 authored by [Armon Toubman](#)

The dataset contains the data collected for the research in the PhD thesis "Calculated Moves". Two types of data were collected. The first type are the results of agent-based air combat simulations, in which the agents learned by act by means of machine learning. The second type are the results of a validation study, in which we aimed to determine whether the learned behaviour was fit for use in real-world training simulations.

**USAGE METRICS**

534 views | 145 downloads | 0 citations

**HISTORY**

- 15.01.2020 - First online date, Publication date, Posted date

**CONTRIBUTORS**

Leiden University, Leiden Centre of Data Science (LCDS), Leiden Institute of Advanced Computer Science

**PUBLISHER**

4TU.Centre for Research Data

**FORMAT**

media types: application/zip, text/csv, text/plain

**CATEGORIES**

- Aerospace Transport
- Defence
- Artificial Intelligence and Image Processing
- Education and Training Systems

**KEYWORDS**

air combat

artificial intelligence

dissertation

machine learning

multi-agent systems

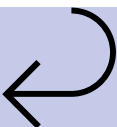
training simulation

**LICENCE**

CC BY 4.0

**EXPORTS**

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March 30, 2021 Dataset Open Access

## Conformal Elasticity of Mechanism-Based Metamaterials

Michael Czajkowski; Corentin Coulais; Martin van Hecke; D. Zeb Rocklin

This is the replication package supporting the paper "Conformal Elasticity of Mechanism-Based Metamaterials"

<https://arxiv.org/abs/2103.12683>

it contains:

- Rawdata1: experimental raw data for the first experiment ("the foot")
- Rawdata2: experimental raw data for the second experiment ("the bridge")
- Experimental\_codes\_ProcessedData: codes to process the rawdata and processed data
- PyLab: custom made python packages for the processing codes
- NumericalData: numerical codes and raw data (using the software abaqus)
- Mathematica\_scripts: Mathematica scripts to derive the theory and compare it to the experimental and numerical data

experimental and numerical raw data as well as processing codes (python and mathematica)

Preview

Experimental\_codes\_processedData.zip

- Beam\_3dprinting
  - 18-0002-0174.stl 15.1 MB
  - 18-0002-0174.stp 7.4 MB
  - 18-0002-0175.pdf 372.2 kB
  - 18-0002-0175.stl 1.2 MB
  - 18-0002-0175.stp 10.3 MB
  - 200um\_3.jpg 100.9 kB
  - Simple\_hinges\_objet\_agilus30
    - 200um.jpg 183.4 kB
    - 200um\_2.jpg 176.9 kB
    - 200um\_3.jpg 167.3 kB
    - 200um\_4.jpg 175.2 kB
    - 50um.jpg 422.7 kB
    - 50um\_2.jpg 191.9 kB

Files

118 views 96 downloads

See more details...

Indexed in

OpenAIRE

Publication date: March 30, 2021

DOI: 10.5281/zenodo.4646672

Related identifiers: Cited by <https://arxiv.org/abs/2103.12683>

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Versions

Version 1 Mar 30, 2021 10.5281/zenodo.4646672

Cite all versions? You can cite all versions by using the DOI 10.5281/zenodo.4646671. This DOI represents all versions, and will always resolve to the latest one. Read more.

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Cite as

Michael Czajkowski, Corentin Coulais, Martin van Hecke, D. Zeb Rocklin

DOI: 10.17616/R3QP53

Certification: None

Repository type: Generalist

Principal institution: European Organization for Nuclear Research - CERN (European Union)

Persistent identifier system: DOI

Metrics: Views and downloads

Files (30.4 GB)

Name	Size	Preview	Download
Experimental_codes_processedData.zip	23.3 MB		
md5:0fd5f46be18e0e0a885dca4249ca182d			
Mathematicascripts.zip	1.7 MB		
md5:165afb6c160bfb7d8dff527c28c89b74			
Numerical_Data.zip	74.7 MB		
md5:fac5bf5a86afb90dafb24bfc030ed237			
PyLab.zip	83.7 kB		
md5:11e173b278600ef147fe014c1370edc7			
Rawdata1.zip	15.3 GB		
md5:ca98382869808e38e68f73f11ba82894			
Rawdata2.zip	15.0 GB		
md5:4cb887286edde9d40cd2ccf277648214			

Beta Citations 0

Show only: Literature (0) Dataset (0) Software (0) Unknown (0) Citations to this version

Error:

Martin van Hecke, & D. Zeb Rocklin. (2021). Conformal Elasticity of Mechanism-Based Metamaterials [Data set]. Zenodo. <https://doi.org/10.5281/zenodo.4646672>

Start typing a citation style...

Export

BibTeX CSL DataCite Dublin Core DCAT JSON JSON-LD GeoJSON MARXML Mendeley



PANGAEA

PANGAEA.



DOI: 10.17616/R3XS37

Certification: CoreTrustSeal

Repository type: Disciplinary

Subjects: Oceanography, geology, biology, palaeontology, geophysics, geochemistry, mineralogy, crystallography, atmospheric science, geodesy

Principal institution: Alfred Wegener Institute - Helmholtz Centre for Polar and Marine Research (Germany)

Persistent identifier system: DOI

Metrics: Views and downloads



PANGAEA.

Data Publisher for Earth & Environmental Science

SEARCH SUBMIT HELP ABOUT CONTACT

**Citation:**

**Cucurachi, Stefano; Heijungs, Reinout (2013):** Characterisation factors for life cycle impact assessment of sound emissions. PANGAEA, <https://doi.org/10.1594/PANGAEA.805407>

Always quote citation above when using data! You can download the citation in several formats below.

[RIS Citation](#) [BibTeX Citation](#) [Copy Citation](#) [Facebook](#) [Twitter](#) [30](#) [7](#) [6](#)

**Abstract:**

abstract to be added by authors

**Related to:**

**Cucurachi, Stefano; Heijungs, Reinout (2014):** Characterisation factors for life cycle impact assessment of sound emissions. *Science of the Total Environment*, **468-469**, 280-291, <https://doi.org/10.1016/j.scitotenv.2013.07.080>

**Comment:**

A total of 32 spatial and 216 archetypal CFs were produced to be used to evaluate noise impacts at a European level (i.e. EU27). A user-defined CF is also provided. The factors produced are ready to be implemented in the available LCA databases and software. The spatial approach and the archetypal approach may be combined and selected according to the amount of information available and the life cycle under study.

**Parameter(s):**

#	Name	Short Name	Unit	Principal Investigator	Method/Device	Comment
1	<a href="#">Description</a>	Description		<a href="#">Cucurachi, Stefano</a>		
2	<a href="#">File name</a>	File name		<a href="#">Cucurachi, Stefano</a>		
3	<a href="#">File size</a>	File size	kByte	<a href="#">Cucurachi, Stefano</a>		
4	<a href="#">File type</a>	File type		<a href="#">Cucurachi, Stefano</a>		
5	Uniform resource locator/link to file	URL file		<a href="#">Cucurachi, Stefano</a>		

URL file

**License:**

Creative Commons Attribution 3.0 Unported (CC-BY-3.0)

**Size:**

15 data points

#### Download Data

Download dataset as tab-delimited text — use the following character encoding: UTF-8; Unicode (PANGAEA default)

View dataset as HTML

#### Datasets with similar metadata

**Bommarito, C; Pansch, C; Khosravi, M et al. (2020):** Experiments on the life cycle of the trematode *Himasthia elongata*. <https://doi.org/10.1594/PANGAEA.914102>

**Schönke, M; Wiesenberg, L; Schulze, I et al. (2019):** Impact of sparse benthic life on seafloor roughness and high-frequency acoustic scatter. <https://doi.org/10.1594/PANGAEA.907370>

**Madelaire, CB (2021):** Body temperature and immune performance along the life cycle of the tegu lizard (*Salvator merianae*). <https://doi.org/10.1594/PANGAEA.930896>

#### Users interested in this dataset were also interested in

**Fillinger, L; Richter, C (2013):** Frames extracted from the ROV videos recorded along profile Comau2012\_SW. <https://doi.org/10.1594/PANGAEA.811841>

**Smyth, TJ; Artioli, Y (2010):** SeaWiFS total backscattering results measured at 510 nm. <https://doi.org/10.1594/PANGAEA.741909>

**Smyth, TJ; Artioli, Y (2010):** SeaWiFS total absorption results except pure water measured at 510 nm. <https://doi.org/10.1594/PANGAEA.741903>



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TREATMENT ARTICLE | REGISTERED APRIL 17, 2019

## Conchological and molecular analysis of the " non-scaly " Bornean Georissa with descriptions of three new species (Gastropoda, Neritimorpha, Hydrocenidae)

Mediated by [Plazi.org taxonomic treatments database](#)

Zacaery Khalik M • P. Hendriks K • J. Vermeulen J • Menno Schilthuizen • pensoft

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20 RECORDS

This dataset contains the digitized treatments in Plazi based on the original journal article Zacaery Khalik, Mohd, P. Hendriks, Kasper, J. Vermeulen, Jaap, Menno Schilthuizen, (2019): Conchological and molecular analysis of the " non-scaly " Bornean Georissa with descriptions of three new species (Gastropoda, Neritimorpha, Hydrocenidae). ZooKeys 840: 35-86, DOI: <http://dx.doi.org/10.3897/zookeys.840.33326>, URL: <http://dx.doi.org/10.3897/zookeys.840.33326>

**Publication date:** December 31, 2019  
**Metadata last modified:** November 12, 2022  
**Hosted by:** [Plazi.org taxonomic treatments database](#)  
**Licence:** [CC0 1.0](#)  
[How to cite](#)  
**DOI:** [10.3897/zookeys.840.33326](https://doi.org/10.3897/zookeys.840.33326)

16 Accepted names

4 Synonyms

100% Overlap with GBIF Back...

92% Overlap with Catalogue...

Description  
Contacts  
Data description  
GBIF registration  
Citation

### Description

This dataset contains the digitized treatments in Plazi based on the original journal article Zacaery Khalik, Mohd, P. Hendriks, Kasper, J. Vermeulen, Jaap, Menno Schilthuizen, (2019): Conchological and molecular analysis of the " non-scaly " Bornean Georissa with descriptions of three new species (Gastropoda, Neritimorpha, Hydrocenidae). ZooKeys 840: 35-86, DOI: <http://dx.doi.org/10.3897/zookeys.840.33326>, URL: <http://dx.doi.org/10.3897/zookeys.840.33326>

**DOI:** 10.17616/R3J014

**Certification:** None

**Repository type:** Disciplinary and institutional

**Subjects:** Plant ecology, ecosystem analysis, zoology, biology, biodiversity, animal ecology

**Principal institution:** Global Biodiversity Information Facility (Denmark)

**Persistent identifier system:** DOI

**Metrics:** None

## Contacts

Mohd Zacaery Khalik  
Originator

Kasper P. Hendriks  
Originator

Jaap J. Vermeulen  
Originator

Menno Schilthuizen  
Originator

pensoft  
Metadata author  
Plazi

Pensoft Publishers  
Publisher  
Prof. Georgi Zlatarski Street 12  
Sofia 1700  
Bulgaria  
[info@pensoft.net](mailto:info@pensoft.net)  
<https://www.pensoft.net>

Plazi  
Distributor  
Bern  
Switzerland  
[info@plazi.org](mailto:info@plazi.org)  
<https://plazi.org/>

Guido Sautter  
Administrative point of contact  
[sautter@plazi.org](mailto:sautter@plazi.org)  
<https://plazi.org>

## Data description

**Metadata language:** English

**Data language:** English

## GBIF registration

**Registration date:** April 17, 2019

**Metadata last modified:** November 12, 2022

**Publication date:** December 31, 2019

**Hosted by:** [Plazi.org taxonomic treatments database](#)

**Installation:** [Plazi HTTP Installation](#)

**Endpoints:**

<https://tb.plazi.org/GgServer/dwca/647C1D35F570C105FFFCFFCDB169212D.zip> (Darwin Core Archive)

**Preferred identifier:** [DOI](#) [10.3897/zookeys.840.33326](https://doi.org/10.3897/zookeys.840.33326)

**Alternative identifiers:** [DOI](#) [10.15468/vuaxoi](https://doi.org/10.15468/vuaxoi)

See details in the [GBIF Registry](#)

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