



EU Open Research Repository

Lars Holm Nielsen

CERN, Head of Open Science Infrastructure

19 – 20 MARCH 2025

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Funded by the European Union under Horizon Europe grant agreement number 101122956.



€100 billion

EU-27 yearly spending on academic R&D

Reuse?

Famous tea race, 1866. Foochow - Lon. with Fiery Cross, Taitsing, Serica & Taeping - latter won by 30 mins + Account in * *China Clippers*, by Lubbock + Abstract logs, & further account in * *The Clipper Ship Era*, A Clark, (1910);

1894 brigantine: Labour recruiting voyage - lost at Santa Catalina I.
** + Diary by S Mercer-Smith, Govt Agent, 13.1-9.4, when wrecked. Returned to Cairns in "Thistle", 1-16 Jun; and in the "Fearless", 27.7 to 29.8.1894. MS in Oxley Library, Brisbane * OM 76-4.

1924- schooner, 46t, of Port Adelaide. S Aust. coastal trade. Lost in/
-1927 * 6 Official logs * Aust Archives, South Aust, D13. /Mar, 1928.

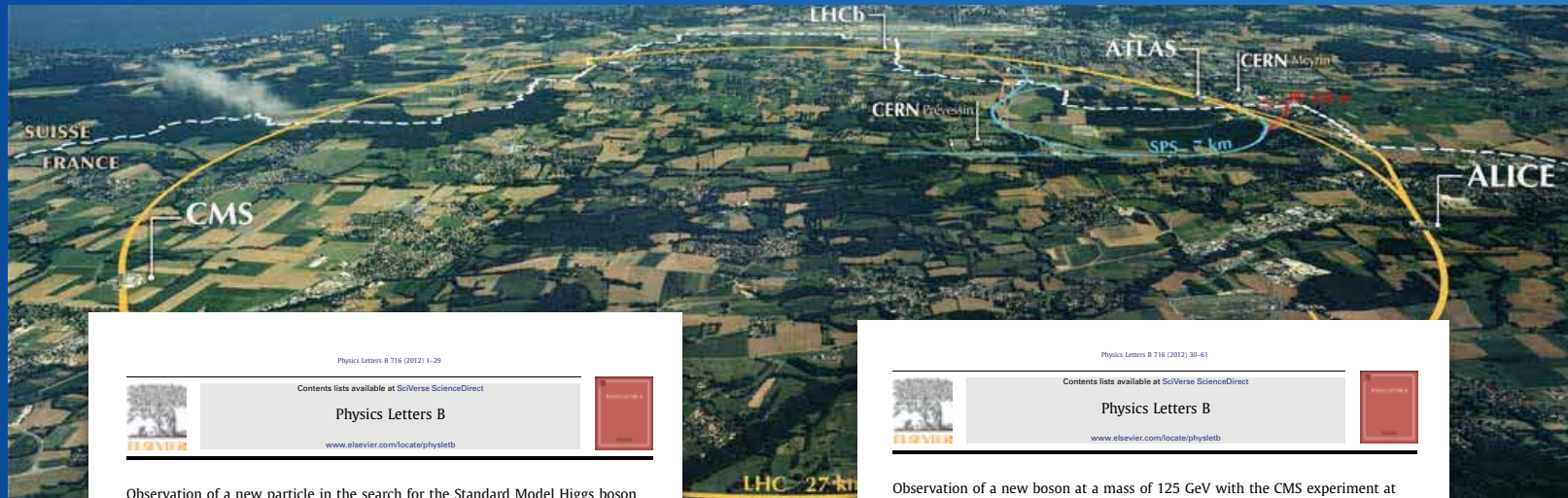


The famous China tea clipper Ariel, circa 1866. (From the Illustrated London News).

ARIES ship/bark?, J.B.KENNEDY: Eng - Melb, via Colombo?, & return?;
1853-54 + Log by Capt Kennedy held by NMM Greenwich, UK * KEN/1

Ships logs from 18th century used for climate research

Reproducibility?



Physics Letters B 716 (2012) 1–29

Contents lists available at ScienceDirect
Physics Letters B

www.elsevier.com/locate/physletb

Observation of a new particle in the search for the Standard Model Higgs boson with the ATLAS detector at the LHC^a

ATLAS Collaboration^{*}

This paper is dedicated to the memory of our ATLAS colleagues who did not live to see the full impact and significance of their contributions to the experiment.

ARTICLE INFO

ABSTRACT

A search for the Standard Model Higgs boson in proton–proton collisions with the ATLAS detector at the LHC is presented. The datasets used correspond to integrated luminosities of approximately 4.8 fb⁻¹ collected at $\sqrt{s} = 7$ TeV in 2011 and 5.8 fb⁻¹ at $\sqrt{s} = 8$ TeV in 2012. Individual searches in the channels $H \rightarrow ZZ^{(0)} \rightarrow 4\ell$, $H \rightarrow \gamma\gamma$ and $H \rightarrow W W^{(0)} \rightarrow \ell\nu\mu\nu$ in the 8 TeV data are combined with previously published results of searches for $H \rightarrow ZZ^{(0)}$, $W W^{(0)}$, bb and $\tau^+\tau^-$ in the 7 TeV data and results from improved analyses of the $H \rightarrow ZZ^{(0)} \rightarrow 4\ell$ and $H \rightarrow \gamma\gamma$ channels in the 7 TeV data. Clear evidence for the production of a neutral boson with a measured mass of 126.0 ± 0.4 (stat) ± 0.4 (sys) GeV is presented. This observation, which has a significance of 5.0 standard deviations, corresponding to a background fluctuation probability of 1.7×10^{-7} , is compatible with the production and decay of the Standard Model Higgs boson.

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1. Introduction

The Standard Model (SM) of particle physics [1–4] has been tested by many experiments over the last four decades and has been shown to successfully describe high energy particle interactions. However, the mechanism that breaks electroweak symmetry in the SM has not been verified experimentally. This mechanism [5–10], which gives mass to massive elementary particles, implies the existence of a scalar particle, the SM Higgs boson. The search for the Higgs boson, the only elementary particle in the SM that has not yet been observed, is one of the highlights of the Large Hadron Collider [11] (LHC) physics programme.

Indirect limits on the SM Higgs boson mass of $m_H < 158$ GeV at 95% confidence level (CL) have been set using global fits to precision electroweak results [12]. Direct searches at LEP [13], the Tevatron [14–16] and the LHC [17,18] have previously excluded, at 95% CL, a SM Higgs boson with mass below 600 GeV, apart from some mass regions between 116 GeV and 127 GeV.

Both the ATLAS and CMS Collaborations reported excesses of events in their 2011 datasets of proton–proton (pp) collisions at centre-of-mass energy $\sqrt{s} = 7$ TeV at the LHC, which were compatible with SM Higgs boson production and decay in the mass regions 124–126 GeV, with significances of 2.9 and 3.1 standard deviations (σ), respectively [17,18]. The CD and DD experiments at the Tevatron have also recently reported a broad excess in the mass region 120–135 GeV, using the existing LHC constraints, the observed local significances for $m_H = 125$ GeV are 2.7σ for CD [14], 1.1σ for DD [15] and 2.8σ for their combination [16].

The previous ATLAS searches in 4.8 – 8.8 fb⁻¹ of data at $\sqrt{s} = 7$ TeV and $H \rightarrow W W^{(0)} \rightarrow \ell\nu\mu\nu$ in the 5.8 – 5.9 fb⁻¹ of pp collision data taken at $\sqrt{s} = 8$ TeV between April and June 2012. The data were recorded with instantaneous luminosities up to 6.8×10^{33} cm⁻² s⁻¹; they are therefore affected by multiple pp collisions occurring in the same or neighbouring bunch crossings (pile-up). In the 7 TeV data, the average number of interactions per bunch crossing was approximately 10; the average increased to approximately 20 in the 8 TeV data. The reconstruction, identification and isolation criteria used for electrons and photons in the 8 TeV data are improved, making the $H \rightarrow ZZ^{(0)} \rightarrow 4\ell$ and $H \rightarrow \gamma\gamma$ searches more robust against the increased pile-up. These analyses were re-optimised with simulation and frozen before looking at the 8 TeV data.

In the $H \rightarrow W W^{(0)} \rightarrow \ell\nu\mu\nu$ channel, the increased pile-up deteriorates the event missing transverse momentum, E_{miss}^{reco}, resolution, which results in significantly larger Drell–Yan background in the same-flavour final states. Since the $\mu\nu$ channel provides most of the sensitivity of the search, only this final state is used in the analysis of the 8 TeV data. The kinematic region in which a SM Higgs boson with a mass between 110 GeV and 140 GeV is

Physics Letters B 716 (2012) 30–61

Contents lists available at ScienceDirect
Physics Letters B

www.elsevier.com/locate/physletb

Observation of a new boson at a mass of 125 GeV with the CMS experiment at the LHC^a

CMS Collaboration^{*}

CERN, Switzerland

This paper is dedicated to the memory of our colleagues who worked on CMS but have since passed away. In recognition of their many contributions to the achievement of this observation.

ARTICLE INFO

ABSTRACT

Results are presented from searches for the standard model Higgs boson in proton–proton collisions at $\sqrt{s} = 7$ and 8 TeV in the Compact Muon Solenoid experiment at the LHC, using data samples corresponding to integrated luminosities of up to 5.1 fb⁻¹ at 7 TeV and 5.3 fb⁻¹ at 8 TeV. The search is performed in five decay modes: $\gamma\gamma$, $ZZ, W W^{(0)} \rightarrow \tau^+\tau^-$, and $b\bar{b}$. An excess of events is observed above the expected background, with a local significance of 5.0 standard deviations, at a mass near 125 GeV, signalling the production of a new particle. The expected significance for a standard model Higgs boson of that mass is 3.8 standard deviations. The excess is most significant in the two decay modes with the best mass resolution, $\gamma\gamma$ and $ZZ \rightarrow \tau^+\tau^-$; a fit to these signals gives a mass of 125.3 ± 0.4 (stat) ± 0.5 (sys) GeV. The decay to two photons indicates that the new particle is a boson with spin different from one.

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1. Introduction

The standard model (SM) of elementary particles provides a remarkably accurate description of results from many accelerator and non-accelerator based experiments. The SM comprises quarks and leptons as the building blocks of matter, and describes their interactions through the exchange of force carriers: the photon for electromagnetic interactions, the W and Z bosons for weak interactions, and the gluons for strong interactions. The electromagnetic and weak interactions are unified in the electroweak theory. Although the predictions of the SM have been extensively confirmed, the question of how the W and Z gauge bosons acquire mass whilst the photon remains massless is still open.

Nearly fifty years ago it was proposed [1–6] that spontaneous symmetry breaking in gauge theories could be achieved through the introduction of a scalar field. Applying this mechanism to the electroweak theory [7–9] through a complex scalar doublet field leads to the generation of the W and Z masses, and to the prediction of the existence of the SM Higgs boson [4]. The scalar field also gives mass to the fundamental fermions through the Yukawa interaction. The mass m_H of the SM Higgs boson is not predicted by theory. However, general considerations [10–13] suggest that m_H should be smaller than ~ 1 TeV, while precision electroweak measurements imply that $m_H < 152$ GeV at 95% confidence level (CL) [14]. Over the past twenty years, direct searches for the Higgs boson have been carried out at the LEP collider, leading to a lower bound of $m_H > 114.4$ GeV at 95% CL [15], and at the Tevatron proton–antiproton collider, excluding the mass range 162–166 GeV at 95% CL [16] and detecting an excess of events, recently reported in [17–19], in the range 120–135 GeV.

The discovery or exclusion of the SM Higgs boson is one of the primary scientific goals of the Large Hadron Collider (LHC) [20]. Previous direct searches at the LHC were based on data from proton–proton collisions corresponding to an integrated luminosity of 5 fb⁻¹ collected at a centre-of-mass energy $\sqrt{s} = 7$ TeV. The CMS experiment excluded at 95% CL a range of masses from 127 to 600 GeV [21]. The ATLAS experiment excluded at 95% CL the ranges 111.4–116.6, 119.4–122.1 and 129.2–541 GeV [22]. Within the remaining allowed mass region, an excess of events near 125 GeV was reported by both experiments. In 2012 the proton–proton centre-of-mass energy was increased to 8 TeV and by the end of June an additional integrated luminosity of more than 5 fb⁻¹ had been recorded by each of these experiments, thereby enhancing significantly the sensitivity of the search for the Higgs boson.

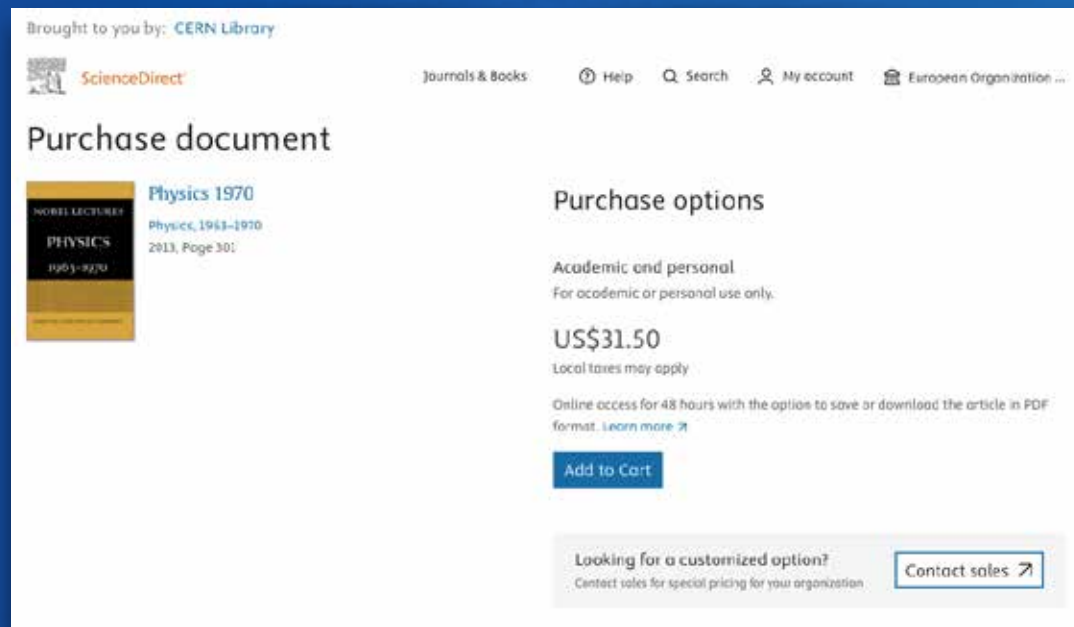
This Letter reports the results of a search for the SM Higgs boson using samples collected by the CMS experiment, comprising data recorded at $\sqrt{s} = 7$ and 8 TeV. The search is performed in

Only 6 of 53 landmark papers in cancer research were able to be confirmed

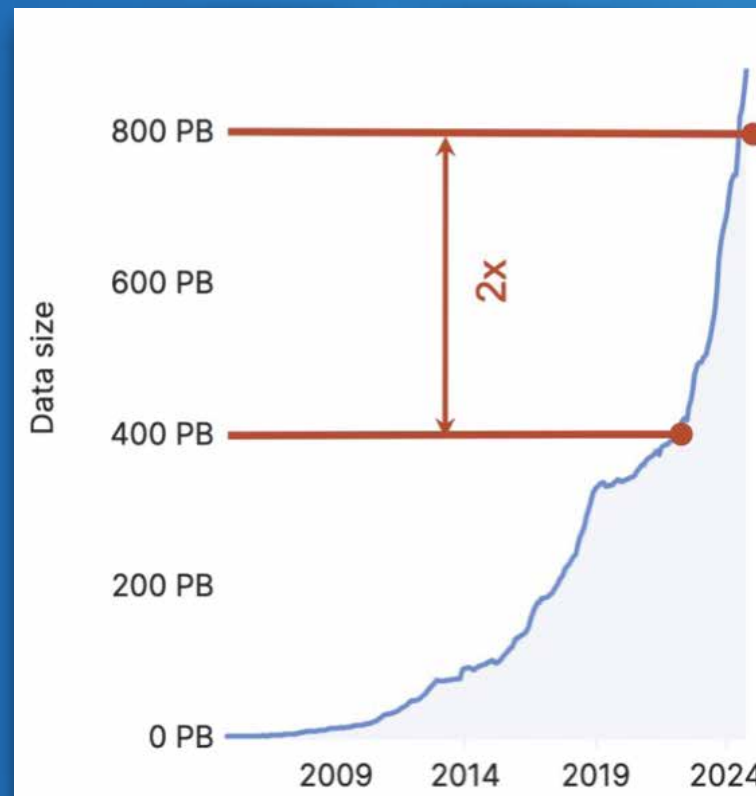
Begley, C., Ellis, L. Raise standards for preclinical cancer research. Nature 483, 531–533 (2012). <https://doi.org/10.1038/483531a>

Access?

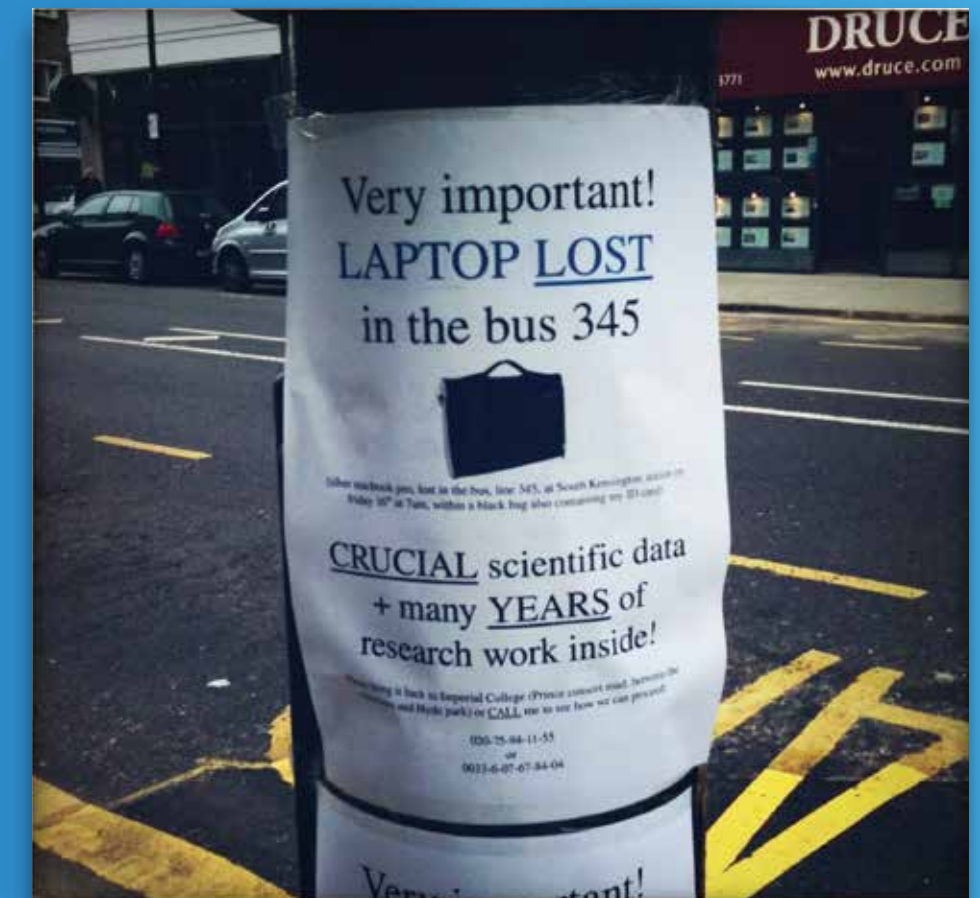
Paywalls



Data storage/growth



Disasters



EU Open Science Policy

Accessible

Transparent

Reusable

I.e. squeeze more value out of 100 billions EUR/year

Horizon Europe Grants

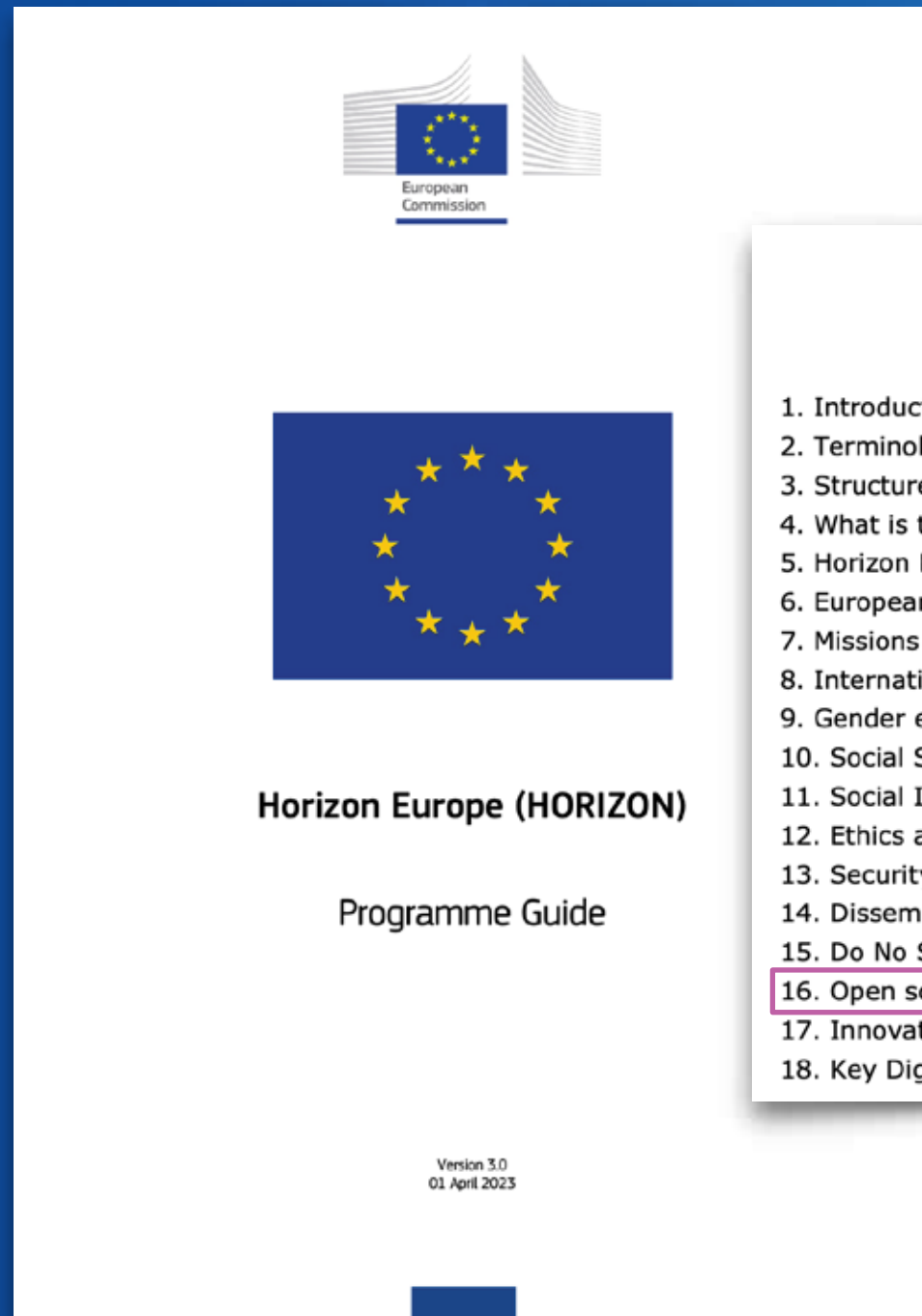


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Requirements

- Open access
- Open & FAIR data
- + more

Horizon Europe Grants

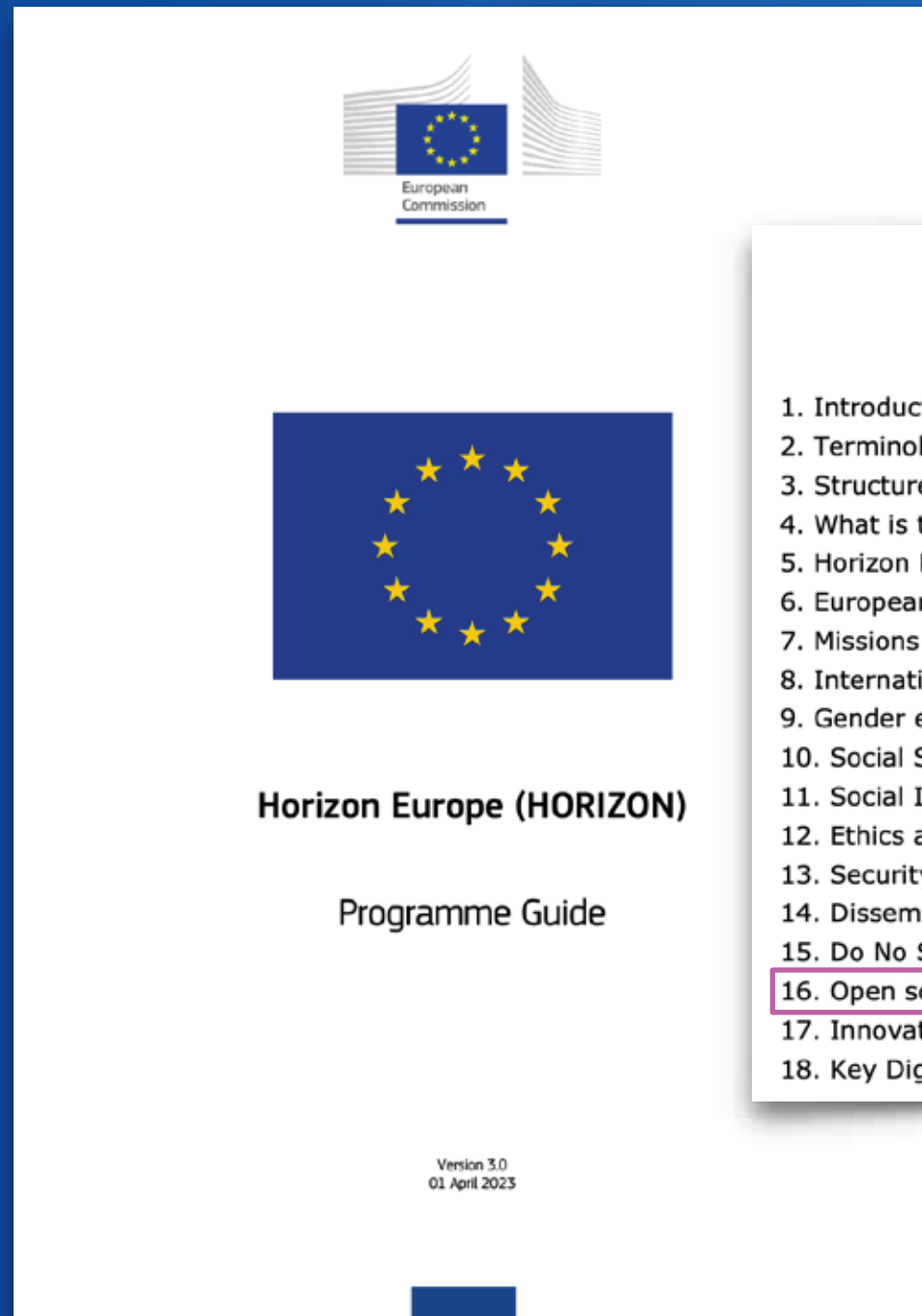


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Requirements

- Open access
- Open & FAIR data
- + more

How?

zenodo



A general-purpose repository for research products

The screenshot shows the Zenodo website interface. At the top, there is a navigation bar with the Zenodo logo, a search bar labeled "Search records...", and links for "Communities" and "My dashboard". On the right side of the navigation bar, there are "Log in" and "Sign up" buttons. Below the navigation bar, the main content area is titled "Featured communities". The first featured community is the "EU Open Research Repository", which includes a thumbnail of the European Union flag, the text "EU Open Research Repository", and a "Browse" button. Below this, there is a section for "Recent uploads". The first upload is a dataset titled "Dataset: Distinct mutations emerge in the genome of serotype O foot-and-mouth disease virus during persistence in cattle", dated "December 11, 2025 (v1)", with tags for "Dataset" and "Open". Below the title, the authors "Litz, Benedikt; Forth, Leonie; Pfaff, Florian" are listed. A "Why use Zenodo?" section is also visible, containing two bullet points: "Safe" (research stored safely in CERN's Data Centre) and "Trusted" (built and operated by CERN and OpenAIRE).



Alfred P. Sloan
FOUNDATION

Upload

Files ▼

Metadata-only record ?

Storage available 0 out of 100 files 0 bytes out of 50.00 GB

Drag and drop files - or - Upload files

Publications

Data

Software


Presentations

Posters

Videos

Image

Describe

Basic information 

Digital Object Identifier *

Do you already have a DOI for this upload? Yes No

A DOI allows your upload to be easily and unambiguously cited. Example: 10.1234/foo.bar


Resource type *

Title *

Publication date *

In case your upload was already published elsewhere, please use the date of the first publication. Format: YYYY-MM-DD, YYYY-MM, or YYYY. For intervals use DATE/DATE, e.g. 1939/1945.


Creators *

Draft 


Visibility *

Files only

Public Restricted

 **Public**
The record and files are publicly accessible.

Options

Apply an embargo 
Record or files protection must be restricted to apply an embargo.

Publish



Search records...



Communities

My dashboard

Log in

Sign up



Industrial Ecology and Sustainability Research

Published January 28, 2025 | Version 3.9.4

Dataset

Open

EXIOBASE 3

Stadler, Konstantin^{1,2} ; Wood, Richard^{1,2} ; Bulavskaya, Tatyana³ ; Södersten, Carl-Johan¹ ; Simas, Moana¹ ; Schmidt, Sarah¹ ; Usubiaga, Arkaitz⁴ ; Acosta-Fernández, José⁴ ; Kuenen, Jeroen³ ; Bruckner, Martin⁵ ; Giljum, Stefan⁵ ; Lutter, Stephan⁵ ; Merciai, Stefano⁶ ; Schmidt, Jannick H⁶ ; Theurl, Michaela C⁷ ; Plutzer, Christoph⁷ ; Kastner, Thomas⁸ ; Eisenmenger, Nina⁷ ; Erb, Karl-Heinz⁷ ; Koning, Arjan⁹ ; Deck, Candy Eugenie Charlotte Anquetil Ep¹ ; Rasul, Kajwan² ; Hertwich, Edgar^{10,2} ; Tukker, Arnold⁹

Show affiliations

EXIOBASE 3: For best in class environmental-economic accounting data. Get insight into global supply-chains and the environmental impacts of consumption.

EXIOBASE 3 provides a time series of environmentally extended multi-regional input-output (EE MRIO) tables ranging from 1995 to 2020 (plus now-casted tables for 2021 and 2022) for 44 countries (27 EU member plus 17 major economies) and five rest of the world regions.

EXIOBASE is maintained by the EXIOBASE consortium, with XIO Sustainability Analytics now working on providing annual updates to

177K
VIEWS

160K
DOWNLOADS

Show more details

Versions

Version 3.9.4 Jan 28, 2025
10.5281/zenodo.14614930

Version 3.8.2 Oct 21, 2021

DOI 10.5281/zenodo.14869924

Version 3.8
10.5281/zenodo.4588235

Version 3.8 Nov 19, 2020
10.5281/zenodo.4277368

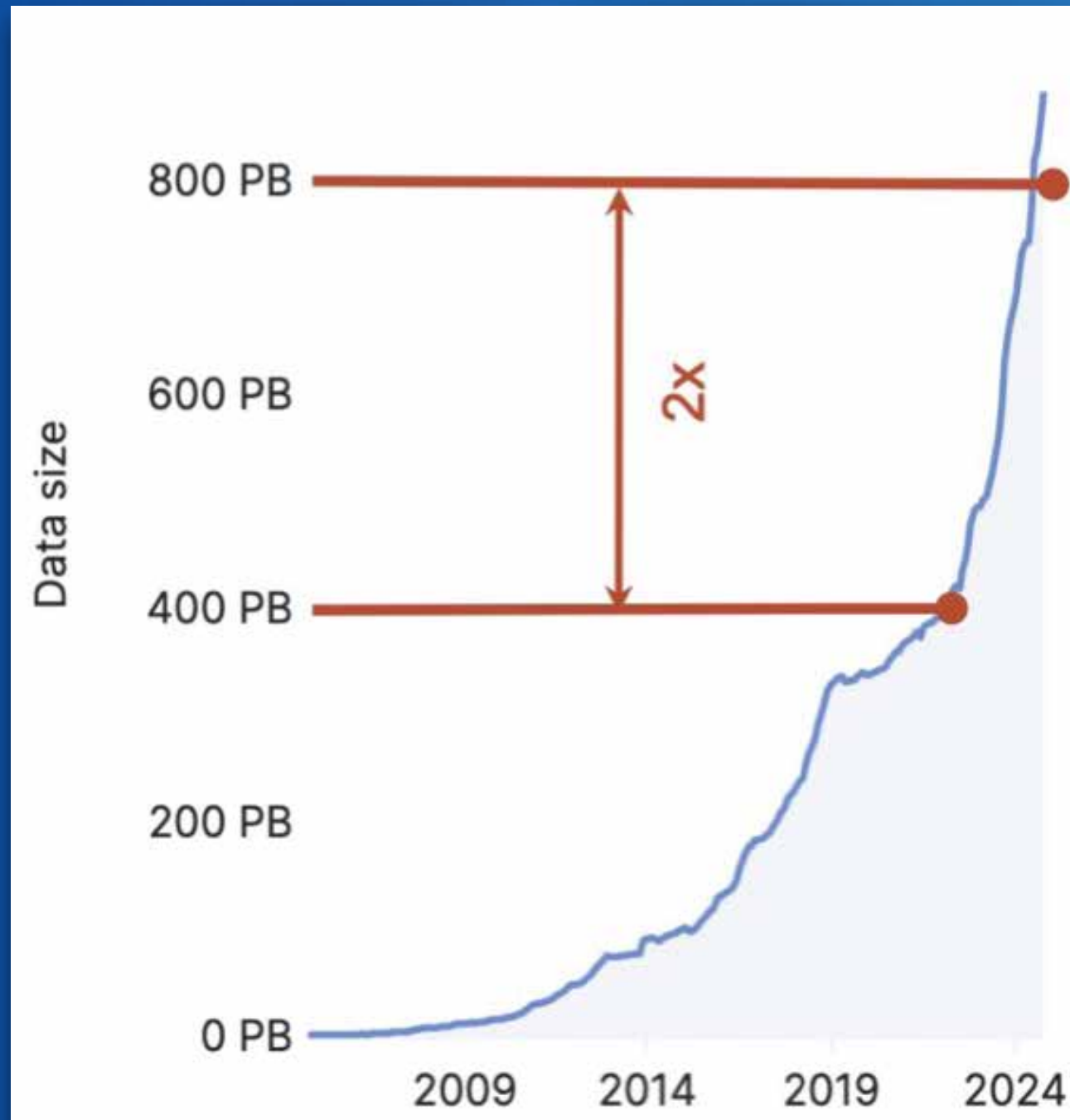
Since 2013 ...

400.000 users

90000 organisations

161 countries

Zenodo: A small layer on top of CERN existing infrastructure



Since 2024 ...



Communities

My dashboard

Log in

Sign up



EU Open Research Repository

by European Commission



<https://research-and-innovation.ec.europa.eu>



How to submit



Join with your EU project

Research and Innovation

Home

Records

Browse

Submit

Curation policy

About

Open repository for EU-funded research

Research outputs from Horizon Europe, Euratom and earlier Framework Programmes

Search

Key challenge 1

Data curation

Estimated cost: 2 FTE for *minimal* curation

Curating existing content

zenodo Search records... Communities My dashboard lars.holm...

EU Open Research Repository
by European Commission <https://research-and-innovation.ec.europa.eu>

Research and Innovation

Home Records Browse Submit Requests Members Settings Curation policy About

Funding programmes

HE	Horizon Europe	5,722	HORIZON 2020	80,116	7	Framework Programme	13,906	Euratom	1,270
	Marie Skłodowska-Curie Actions	15,712	erc	European Research Council			11,401		

Subjects

SOCIAL SCIENCES	Social Sciences	42,336	NATURAL SCIENCES	Natural Sciences	63,969	ENGINEERING AND TECHNOLOGY	Engineering and technology	40,622	HUMANITIES	Humanities	13,929
-----------------	-----------------	--------	------------------	------------------	--------	----------------------------	----------------------------	--------	------------	------------	--------

Social Sciences (42,336): Economics and business (21,828), Educational sciences (4,817), Law (2,561), Media and communications (1,023), Political science (1,023), Psychology (1,023), Social geography (1,023), Sociology (1,023), Other social sciences (1,023)

Natural Sciences (63,969): Earth And Related Environmental Sciences (14,189), Mathematics (3,238), Biological Sciences (25,040), Chemical Sciences (15,754)

Engineering and technology (40,622): Chemical Engineering (672), Civil Engineering (3,809), Electrical, Electronic and Information Engineering (19,045)

Humanities (13,929): Arts (6,424), History And Archaeology (9,791), Languages And Literature (1,888), Philosophy, Ethics And Politics (5,824)

- 4.5M records - how much is EC funded?

- Trustworthy grant link?

Metadata of deposited data must be open under a Creative Commons Public Domain Dedication (CC 0) or equivalent (to the extent legitimate interests or constraints are safeguarded), in line with the FAIR principles (in particular machine-actionable) and provide information at least about the following: datasets (description, date of deposit, author(s) and embargo); Horizon Europe or Euratom funding; grant project name, acronym and number; licensing terms; persistent identifiers for the dataset, the authors involved in the action, and, if possible, for their organisations and the grant. Where applicable, the metadata must include persistent identifiers for related publications and other research outputs.

Open data, heuristics and AI

HORIZON EUROPE EU research programme beneficiary depositing solution in Zenodo

Fact Sheet

Project description



Making it easier for EU research funding beneficiaries to implement FAIR practices

Progress and trust in science... The EU's Open Science... (Findable, Accessible, Interoperable, and Reusable) and stewardship. ZENODO built by CERN to support EU-funded HORIZON-ZENODO digital research objects.

Project Information

HORIZON-ZEN
Grant agreement ID: 101122956

DOI
[10.3030/101122956](https://doi.org/10.3030/101122956)

zenodo Search records... Communities My dashboard Log in Sign up

zenodo HORIZON-ZEN Part of EU Open Research Repository

Published June 20, 2024 | Version 2024-05-22 Dataset Open

137 VIEWS 142 DOWNLOADS

Zenodo-communities for EU projects

Nielsen, Lars Holm¹

Dataset of Zenodo communities associated with EU-funded projects. Only communities linked to a single EU project under either Horizon Europe, Horizon 2020, or Framework Programme 7 are included. Earlier Framework Programmes are not included, as Framework Programme 6 ended in 2006, and Zenodo was launched on May 8, 2013. The dataset was extracted from Zenodo on May 22, 2024, and contains data as of that date. It includes 2,724 communities.

Technical info (English)

The `dataset.csv` is in CSV format with UTF8 encoding.

- `id` - UUID identifier of the community (the identifier is persistent).
- `created` - Date of creation of the community.
- `slug` - Slug identifier of the community (not persistent as it can be changed).
- `url` - URL of the community (the link is not persistent because the URL can change).
- `title` - Title of the community.
- `num_records` - Number of records in the community.
- `project_acronym` - Acronym of the EU-funded project (from CORDIS).

Funding

European Commission

HORIZON-ZEN – EU research programme beneficiary depositing solution in Zenodo

101122956







Indexed in

Validation of grant link






- 75.000 via heuristics
- 36.000 via base LLM*:
 - 31k - Yes
 - 4k - No
 - 1k - Uncertain

*Mistral

Funding programmes

 Horizon Europe 9,353	 Horizon 2020 96,129	 Framework Programme 7 14,070	 Euratom 1,291
 Marie Skłodowska-Curie Actions 16,671	 European Research Council 11,968		

Subjects

 Social Sciences 45,128 Economics and business (23,354) Educational sciences (4,836) Law (2,792) Media and communications (742) Political sciences (13,172) Psychology (1,203) Social geography (2,308) Sociology (22,239) Other social sciences (1)	 Natural Sciences 68,203 Earth And Related Environmental Sciences (15,168) Mathematics (3,393) Biological Sciences (26,453) Chemical Sciences (7,261) Physical Sciences (16,768) Computer And Information Sciences (38,268) Other Natural Sciences (0)	 Engineering and technology 43,100 Chemical Engineering (774) Civil Engineering (4,044) Electrical, Electronic and Information Engineering (20,029) Environmental Biotechnology (761) Environmental Engineering (16,365) Industrial Biotechnology (1,731) Materials Engineering (6,088) Mechanical Engineering (8,779) Medical Engineering (758) Nanotechnology (3,390) Other Engineering And Technologies (3,874)
 Agricultural sciences 15,452 Agriculture, Forestry, And Fisheries (12,925) Animal And Dairy Science (2,031) Veterinary Sciences (70) Other Agricultural Sciences (0)	 Medical and Health sciences 15,426 Basic Medicine (6,313) Clinical Medicine (4,958) Health Sciences (8,509) Medical Biotechnology (1,942) Other Medical Sciences (157)	

Fields of science ⓘ

[natural sciences](#) > [biological sciences](#) > [ecology](#) > [ecosystems](#)

Keywords

- [biodiversity](#)
- [genomics](#)
- [literature](#)
- [collections](#)
- [taxon names](#)
- [linked open data](#)
- [biodiversity knowledge graph](#)
- [open science](#)
- [data interoperability](#)
- [reproducibility](#)
- [data extraction](#)
- [publishing](#)

Programme(s)

- [H2020-EU.1.4. - EXCELLENT SCIENCE - Research Infrastructures](#) MAIN PROGRAMME
- [H2020-EU.1.4.1.2. - Integrating and opening existing national and regional research infrastructures of European interest](#)

Topic(s)

- [INFRAIA-02-2020 - Integrating Activities for Starting Communities](#)

Call for proposal

- [H2020-INFRAIA-2018-2020](#)

[See other projects for this call](#)

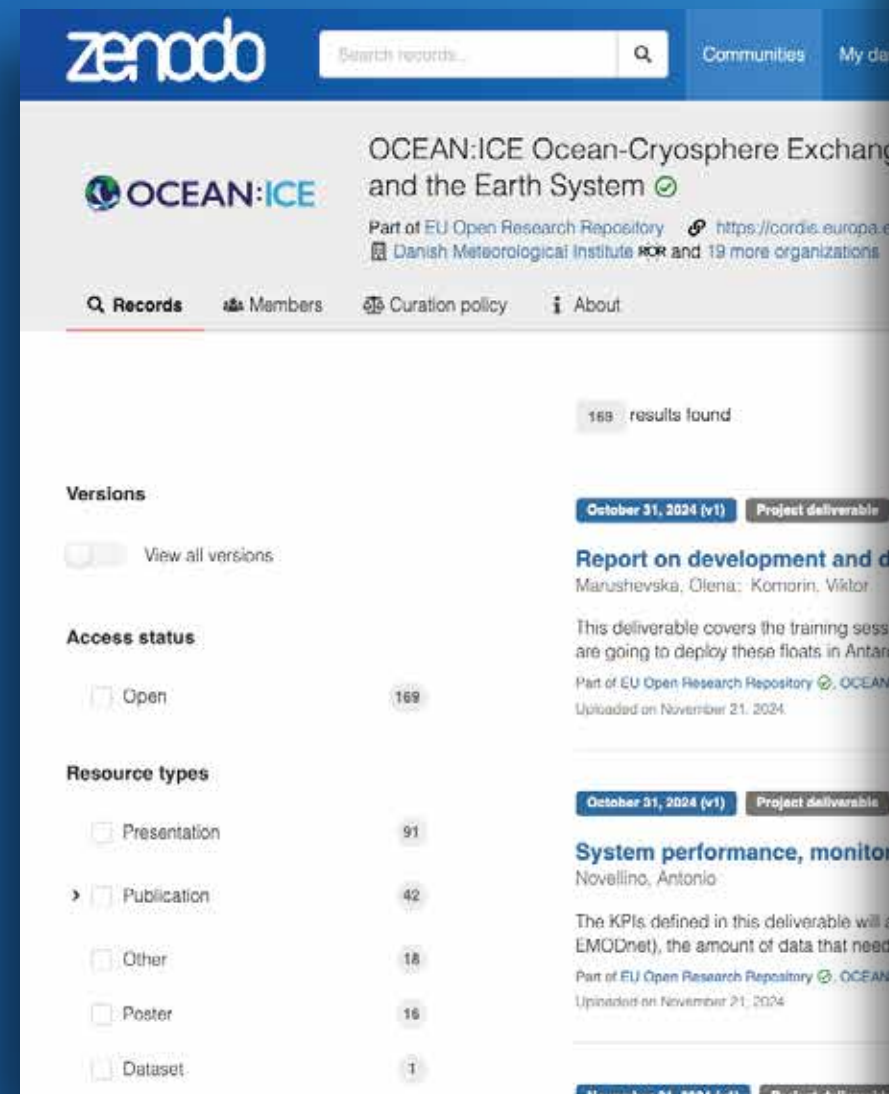
Sub call

- H2020-INFRAIA-2020-1

Funding Scheme

New content: Distributed curation

- Currently 2700+ EU projects
- Easy collaboration across institutions
- Harmonisation?



Setup your new EU project community

Only for EU-funded projects.

To setup a new EU project community, you must be affiliated with an EU-funded project (e.g. Horizon 2020, Horizon Europe, Euratom).

Institutional email required.

In order for us to verify the request, your Zenodo account must be using an institutional email address, so that we can verify your institutional affiliation. You can change your email address in your profile settings if that is not the case.

Do you already have an existing community?

Yes No

Project *

Search for a project by name

Community name *

Identifier *

Harmonisation & compliance

Optimal design of damping composite lamination

✓ Accept and publish

✗ Decline

✗ Cancel ...

Open Jose Benito Gonzalez Lopez wants to publish 1 record in [EU Open Research Repository](#)

Conversation

Record

✓ Checks 3

Checks

✓ Metadata check

✓ Required approvals

✓ File format check

Logs

✓ Research outputs must have been funded by European Commission.

All submissions in EU Open Research Repository must be stemming from Horizon Europe (including ERC & MCSA), Euratom or earlier Framework Program

✓ Scientific articles must provide journal information.

Required for compliance with Horizon Europe open access requirements. See [curation policy](#) for details.

✓ All submissions should be openly available.

Required for compliance with the Horizon Europe open science requirements (for scientific articles and most research data). Recommended for all other research outputs. See [curation policy](#) for details.

✓ Authors and affiliations should have persistent identifiers (e.g. ORCID, ROR or others).

Recommended for compliance with the Horizon Europe open science requirements.

✓ License is required, and should be Creative Commons or provide equivalent rights.

Scientific articles should be licensed CC-BY, books can be licensed CC-BY-NC/ND, other outputs should be CC-BY, CC0 or OSI-approved license.

Planned launch in April 2025

Data curation framework

Distribute

Automate

Incentivise

= Lower cost, higher quality

Key challenge 2

FAIR* Data Principles

*Findable, Accessible, Interoperable, Reusable

Example: Description of species

Geographic coordinates

Date of collection

Collector

Material (total: 3 ♂♂)

Holotype

TANZANIA: ♂, Mwanihana Forest, above Sanje, 1650 m a.s.l., pitfall trap, 18 Aug. 1982, M. Stoltze and N. Scharff leg. (ZMUC).

Paratypes

TANZANIA: 1 ♂, Morogoro Region, Kilombero District, Udzungwa Mts National Park, forest below Mwanihana Peak, 7°49' S, 36°50' E, 1800 m a.s.l., sifted from leaf litter, 20 Aug. 2017, T. Pape leg. (ZMUC); 1 ♂, Morogoro Region, Udzungwa Mts National Park, Mito Mitatu, above Mang'ula, 07°49'3" S, 36°52'58" E, 1487 m a.s.l., 16 Dec. 2016, T. Pape and N. Scharff leg. (ZMUC).

Host collection

Locked up data

Unanswerable questions:

- How many species have been described by my collection?
- Give me a list of all new species?
- Retrieve all images for a given taxon?
- What's known about a geographic region?

• Treatments:

- Past 260 years: **~10+ millions** published
- Every year: **~17k** new / **~130k** augmented

It takes an ecosystem



FAIR Metadata

zenodo Search records... Communities My dashboard Log in Sign up

Biodiversity Literature Repository

Published June 19, 2018 | Version v1

36 VIEWS 145 DOWNLOADS

Fig. 1 in A mountain of millipedes VII: The genus *Eviulisoma* Silvestri, 1910, in the Udzungwa Mountains, Tanzania, and related species from other Eastern Arc Mountains. With notes on *Eoseviulisoma* Brolemann, 1920, and *Suohelisoma* Hoffman, 1963 (Diplopoda, Polydesmida, Paradoxosomatidae)

Enghoff, Henrik

Fig. 1. *Eviulisoma zebra* sp. nov., one of the strikingly marked species from the Udzungwa Mts. Photograph by Martin Nielsen.

EU OPEN DATA DAYS

Notes

Published as part of Enghoff, Henrik, 2018, A mountain of millipedes VII: The genus *Eviulisoma* Silvestri, 1910, in the Udzungwa Mountains, Tanzania, and related species from other Eastern Arc Mountains. With notes on *Eoseviulisoma* Brolemann, 1920, and *Suohelisoma* Hoffman, 1963 (Diplopoda, Polydesmida, Paradoxosomatidae), pp. 1-90 in *European Journal of Taxonomy* 445 on page 3. DOI: 10.5852/ejt.2018.445, <http://zenodo.org/record/1489598>

Files

figure.png

External resources

Indexed in

OpenAIRE

Communities

Biodiversity Literature Repository

Keywords and subjects

Biodiversity Taxonomy Animalia Arthropoda Diplopoda Polydesmida Paradoxosomatidae Eviulisoma

Details

DOI

DOI 10.5281/zenodo.1489600

Get data How-to Tools Community About Login

TREATMENT ARTICLE | REGISTERED NOVEMBER 16, 2018

A mountain of millipedes VII: The genus *Eviulisoma* Silvestri, 1910, in the Udzungwa Mountains, Tanzania, and related species from other Eastern Arc Mountains. With notes on *Eoseviulisoma* Brolemann, 1920, and *Suohelisoma* Hoffman, 1963 (Diplopoda, Polydesmida, Paradoxosomatidae)

Mediated by Plazi.org taxonomic treatments database

Enghoff H • plazi

DATASET TAXONOMY METRICS ACTIVITY DOWNLOAD HOME PAGE

82 MATERIALS EXAMINED 32 RECORDS 31 CITATIONS

This dataset contains the digitized treatments in Plazi based on the original journal article Enghoff, Henrik (2018): A mountain of millipedes VII: The genus *Eviulisoma* Silvestri, 1910, in the Udzungwa Mountains, Tanzania, and related species from other Eastern Arc Mountains. With notes on *Eoseviulisoma* Brolemann, 1920, and *Suohelisoma* Hoffman, 1963 (Diplopoda, Polydesmida, Paradoxosomatidae). *European Journal of Taxonomy* 445: 1-90, DOI: 10.5852/ejt.2018.445

Publication date: June 19, 2018
 Metadata last modified: October 29, 2023
 Hosted by: Plazi.org taxonomic treatments database
 Licence: CC0 1.0
 How to cite DOI 10.5852/ejt.2018.445

82 Occurrences 100% With taxon match 49% With coordinates 83% With year

32 Accepted names 0 Synonyms 100% Overlap with GBIF Backbone 100% Overlap with Catalogue of Life

40 GEOREFERENCED RECORDS

What about the actual data?

File format checks

Open Jose Benito Gonzalez Lopez wants to publish 1 record in [EU Open Research Repository](#)

Conversation Record **✓ Checks 3**

Checks

- ✓ Required metadata
- ✓ Required approvals
- ⚠ File format checks

Logs

⚠ Files should use open and/or scientific file formats.
Using open/scientific file formats helps ensure files are readable and understandable in the future.

Found proprietary file format (*dwg*). See [files format recommendations](#).

The following files were found to use proprietary file formats:

- 3dmodel.dwg (AutoCAD). Consider using IGS, STP, STL, QIF or PDF instead.

Preview

Planned launch in April 2025

Next

Ease of use

Using AI + Supporting AI



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**19 – 20
MARCH
2025**

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Enabler of open science policy

Ease of use

Lower the cost to increase quality



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Thank you!

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