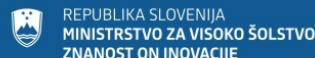


# Evropski oblak odprte znanosti (EOSC)

mag. Irena VIPAVC BRVAR, Arhiv družboslovnih podatkov, Fakulteta za  
družbene vede Univerze v Ljubljani

Marko DROBNJAK, Akademsko in raziskovalno mrežo Slovenije - ARNES

Ljubljana in online, Centralna tehniška knjižnica Univerze v Ljubljani,  
Predstavitev za konzorcijske partnerje in širšo javnost, 11. 1. 2024



# Vsebina

- Sklop I:
  - Arnes
  - Kaj je EOSC
  - EOSC in implementacija
  - Tripartitno upravljanje EOSC
  - Delovne skupine EOSC Association
  - Tripartitni dogodek: Dan odprte znanosti
- Sklop II:
  - ADP in CESSDA
  - EOSC portal
  - Tečaji EOSC - Knowledge Hub
  - EOSC storitve
  - Primer uporabe

# O projektu SPOZNAJ

## Trajanje

01/2023 – 06/2026

## Sredstva

4.031.728,66 € (od tega 3.999.994,81 € EU sredstva)



**Partnerji:** 20 JRO in CTK (znotraj UL sodelujeta ADP in ELIXIR.SI)



# Ključna cilja projekta SPOZNAJ

Na ravni JRO vzpostaviti organizacijske strukture za uspešno izvajanje praks odprte znanosti in sodobne znanstvene komunikacije do leta 2030 (kadrovsko opolnomočenje, vzpostavitev formalnih podlag, organizacijskih in tehničnih struktur na posameznih JRO).

Vzpostavitev sodelovanja in posledično učinkovite sinergije skupnega delovanja JRO na področju odprte znanosti in znanstvene komunikacije.

# Vsebina projekta SPOZNAJ

Projekt bo obravnaval vse vidike odprte znanost:

- Deljenje raziskav po načelih FAIR.
- Politike/zahteve financerjev v Sloveniji in v ERA.
- Odprte znanstvene objave.
- Odgovorno ravnanje z raziskovalnimi podatki.
- Odgovorna merila pri vrednotenju znanstvenoraziskovalnega dela.
- Vključevanje javnosti v procese znanstvenoraziskovalnega dela.
- Zgodnje in odprto deljenje raziskav.
- Infrastruktura za odprto znanost.
- Etični in avtorskopravni vidiki odprte znanosti.

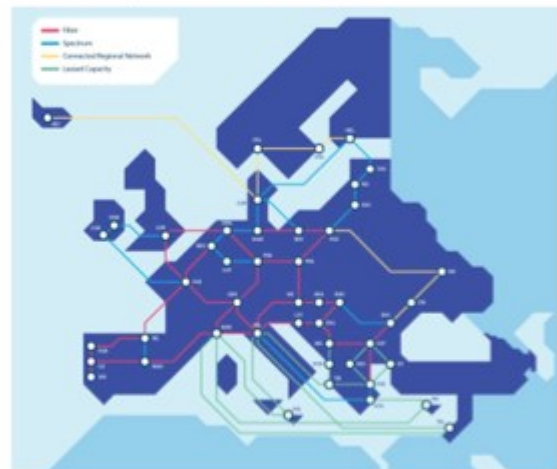
# ARNES

- Akademsko in raziskovalna mreža Slovenije (Arnes) je **javni infrastrukturni zavod**, ki zagotavlja omrežne storitve organizacijam s področij raziskovanja, izobraževanja in kulture.
- Skrbi za internetno infrastrukturo v Sloveniji, slovenski del **Euroam-a** in je del evropskega omrežja **GÉANT**.
- Poleg zmogljive **internetne povezljivosti** nudi tako **številne brezplačne spletne storitve** za shranjevanje ter deljenje vsebin in povezovanje uporabnikov kot tudi **dostop do zmogljivih računskih gruč**. Zastopa slovensko skupnost v Evropskem oblaku odprte znanosti in koordinira superračunalniško omrežje SLING.
- **Pooblaščen organizacija v EOSC.**

# ARNES @Spoznaj



The GÉANT network interconnects Europe's NRENs and provides onward connectivity to regional networks worldwide. Enabling the most important scientific discoveries, it is essential to Europe's research and education communities.

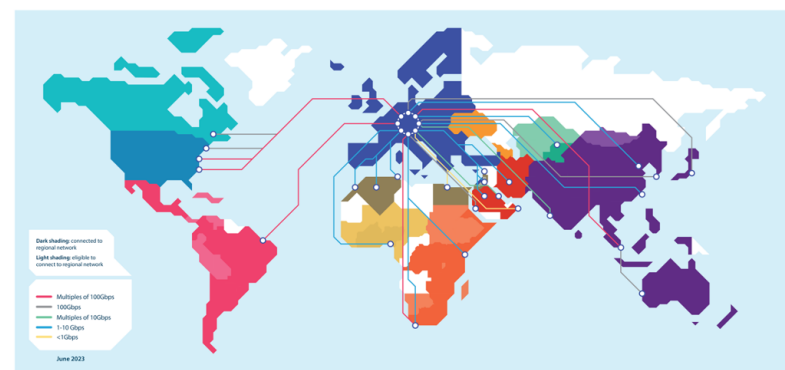


Co-funded by the European Union

geant.org



AT THE HEART OF GLOBAL RESEARCH AND EDUCATION NETWORKING



Canada & USA Latin America Europe North Africa & Eastern Mediterranean West & Central Africa Eastern & Southern Africa Central Asia Asia-Pacific Other R&E Networks

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# Kaj je EOSC

Evropski oblak odprte znanosti

- Federativno in odprto večdisciplinarno okolje za evropske raziskovalce.
- Raziskovalci, inovatorji, podjetja in državljani po vsej Evropi so glavna ciljna skupina.
- Olajšuje neomejen dostop do raziskovalnih virov.
- Spodbuja najdljivost, dostopnost, interoperabilnost in ponovno uporabnost oz. FAIR.
- Promovira in vzpostavlja rešitva za zanesljivo ponovno uporabo raziskovalnih podatkov in digitalnih objektov.

# Kaj je EOSC

- Cilj razviti obsežno mrežo FAIR podatkov in storitev.
- EOSC je v agendi EU politike prepoznan kot ključni podatkovni prostor v evropski raziskovalni strategiji.
- Namen je povečati produktivnost raziskav, inovacije, zanesljivost in zaupanje v znanost.
- ***Evropski oblak odprte znanosti (EOSC) je federativno, večdisciplinarno okolje, ki omogoča evropskim raziskovalcem in državljanom dostop do raziskovalnih virov ter spodbuja najdljivost, dostopnost, interoperabilnost in ponovno uporabo raziskovalnih podatkov v skladu s FAIR načeli, s ciljem povečati produktivnost, inovacije in zaupanje v znanost v EU.***

# EOSC in implementacija

- EOSC temelji na dolgoročnem procesu usklajevanja, ki ga je Komisija začela leta 2015 s številnimi deležniki evropske raziskovalne krajine.
- Evropska komisija je vložila približno 250 milijonov evrov v prototipe komponent EOSC preko projektov v okviru Obzorja 2020.
- Implementacija poteka v okviru so-programiranega partnerstva EOSC, predstavljenega na Dnevih raziskav in inovacij 2021.
- Strateška raziskovalna in inovacijska agenda (SRIA) je razvita skupaj z vso skupnostjo EOSC.

# EOSC in implementacija

- Predvidena so-investicija EU in ne-EU partnerjev v višini vsaj 1 milijarde evrov v naslednjih 7 letih.
- Tripartitno upravljanje EOSC temelji na novem modelu upravljanja in vključuje EU, predstavljeno z Evropsko komisijo, sodelujoče države v Upravnem odboru EOSC in raziskovalno skupnost, predstavljeno z Združenjem EOSC.
  - Komisija igra ključno vlogo pri usmerjanju in koordinaciji celotnega napredka.
- ***EOSC igra ključno vlogo pri spodbujanju odprtih znanstvenih praks in prispeva k večji produktivnosti in zaupanju v znanost.***

# Tripartitno upravljanje EOSC

- Koncept tripartitnega sodelovanja predstavlja strateško usklajevanje med EU, državami članicami in raziskovalno skupnostjo.
  - Vloga Evropske komisije:
    - Predstavlja EU in vodi usklajevanje EOSC.
  - EOSC Upravni odbor:
    - Sestavljajo ga predstavniki sodelujočih držav.
  - Združenje EOSC:
    - Predstavlja raziskovalno skupnost v EOSC.
- Tripartitno upravljanje zagotavlja dialog in koordinacijo za doseganje ciljev politike EOSC.
- Osredotočenost na podporo in implementacijo ekosistema EOSC v Evropi.

# Tripartitno upravljanje EOSC

- Omogoča spremljanje prevzemanja praks odprte znanosti v Evropi in usklajevanje politik, in sicer na nacionalni ravni, EU ravno ter tudi na ravni investicij za FAIR raziskovalne rezultate.
- EOSC predstavlja enega iz temeljev politične agende ERA 2022–2024.
- ***Zagotavljanje odprtega deljenja in ponovne uporabe digitalnih raziskovalnih rezultatov (kot tudi infrastrukture) je glavni cilj EOSC.***

# EOSC in delovne skupine

- Metapodatki in kakovost podatkov
  - ***Zagotavljanje možnosti odkrivanja, razumevanja in ponovne uporabe raziskovalnih objektov ter opredelitev in izvajanje meril za ocenjevanje ravni FAIR in kakovosti podatkov.***
    - Delovna skupina za metrike in kakovost podatkov FAIR
    - Delovna skupina za semantično interoperabilnost
    - Delovna skupina za politiko in izvajanje PID (PID TF)
- Raziskovalne kariere in učni načrti
  - ***Raziskovalna skupnost kot najpomembnejši deležnik EOSC.***
    - Delovna skupina za upravljanje podatkov, učne načrte in poklicne poti
    - Delovna skupina za raziskovalno kariero, priznavanje in kreditne točke
    - Delovna skupina za usposabljanje držav za sodelovanje v EOSC
    - Delovna skupina za vključevanje in sprejemanje raziskovalcev (REA TF)
- Tehnični izzivi
  - ***Osredotočenost na izvajanje tehnične arhitekture in interoperabilnosti v EOSC ter usmerjanje strateških področij prihodnjega dela skozi infrastrukturno perspektivo.***
    - Delovna skupina za arhitekturo infrastrukture za avtentikacijo in avtorizacijo (AAI)
    - Delovna skupina za infrastrukture za kakovostno raziskovalno programsko opremo
    - Delovna skupina za tehnično interoperabilnost podatkov in storitev
    - Delovna skupina za dolgoročno ohranjanje podatkov
- EOSC dolgoročno
  - ***Dolgoročnost je odvisna od izvajanja razširljivega in trajnostnega ekosistema EOSC, vključno z modeli financiranja ter povezovanjem nacionalnih in tematskih infrastruktur.***
    - Delovna skupina za finančno vzdržnost
    - Delovna skupina za spremljanje skladnosti s pravili sodelovanja (RoP TF)

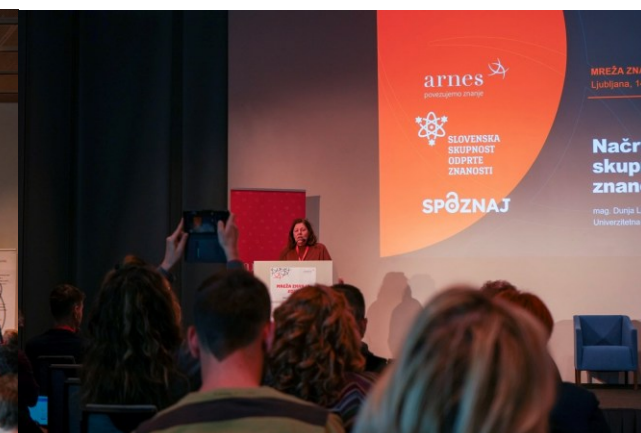
# Slovenski tripartitni dogodek: Dan odprte znanosti 2022, 2023, 2024



Univerzitetna knjižnica Maribor

Dan odprte znanosti 2023 naslovlil izzive in dobre prakse z vidika vrednotenja znanosti kot tudi infrastrukturnih rešitev

- [odprtaznanost.si](https://odprtaznanost.si)
- SSOZ – Slovenska skupnost odprte znanosti
- UKM



eosc NTE 2023

|                                                                                                                                |                                                                                                                                   |                                                                                                                                       |                                                                                                                                        |                                                                                                                                    |                                                                                                                                  |                                                                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| <b>Switzerland, Bern</b><br>28.03.2023<br>Format: hybrid<br>98 Attendees<br>100 Speakers & Panelists<br>21 Online Participants | <b>Bulgaria, Sofia</b><br>28.03.2023<br>Format: hybrid<br>98 Attendees<br>100 Speakers & Panelists<br>21 Online Participants      | <b>Netherlands, Utrecht</b><br>11.04.2023<br>Format: in presence<br>50 Attendees<br>17 Speakers & Panelists<br>44 Online Participants | <b>Czech Republic, Prague</b><br>01-02.06.2023<br>Format: hybrid<br>150 Attendees<br>22 Speakers & Panelists<br>50 Online Participants | <b>France, Montpellier</b><br>13-14.06.2023<br>Format: hybrid<br>75 Attendees<br>18 Speakers & Panelists<br>35 Online Participants | <b>Ireland, Dublin</b><br>03.11.2023<br>Format: in presence<br>45 Attendees<br>9 Speakers & Panelists<br>159 Online Participants | <b>Slovenia, Ljubljana</b><br>14.11.2023<br>Format: hybrid<br>186 Attendees<br>35 Speakers & Panelists<br>159 Online Participants |
| <b>Hungary, Budapest</b><br>23.03.2023<br>Format: in presence<br>50 Attendees<br>12 Speakers & Panelists                       | <b>Croatia, Zagreb</b><br>30.03.2023<br>Format: in presence<br>100 Attendees<br>17 Speakers & Panelists<br>16 Online Participants | <b>Slovakia, Bratislava</b><br>31.05.2023<br>Format: in presence<br>73 Attendees<br>17 Speakers & Panelists<br>25 Online Participants | <b>Italy, Rome</b><br>05.06.2023<br>Format: in presence<br>240 Attendees<br>24 Speakers & Panelists<br>50 Online Participants          | <b>Spain, Madrid</b><br>19.09.2023<br>Format: in presence<br>68 Attendees<br>20 Speakers & Panelists                               | <b>Poland, Krakow</b><br>06.11.2023<br>Format: in presence<br>50 Attendees<br>40 Speakers & Panelists<br>208 Online Participants |                                                                                                                                   |

# Arhiv družboslovnih podatkov (ADP)



750 raziskav

- Deluje od leta 1997
- **Področno podatkovno središče za družboslovje.**
- **Zaupanje vreden** (certifikat CoreTrustSeal od 2018)
- Izvajalec storitev za Slovenijo pri **Konzorciju evropskih arhivov družboslovnih podatkov – evropska raziskovalna infrastruktura**
- Sodeluje pri nacionalnih in mednarodnih projektih za **uresničevanje „odprtih podatkov“**



# Storitve ADP za družboslovje

## (primer področnega podatkovnega repozitorija)

- **Pridobivanje pomembnih raziskovalnih podatkov** s širokega nabora družboslovnih disciplin.
- Ovrednotenje ponujenih raziskovalnih podatkov in **izbor za prevzem**.
- **Prevzem in obdelava** podatkov in dokumentacije ter ustvarjanje metapodatkov z namenom priprave paketa za dolgotrajno digitalno hrambo.
- **Priprava za dostop in nadaljnjo uporabo** za znanstvene, izobraževalne in druge namene.
- **Dolgotrajna digitalna hramba, ohranjanje**.
- **Zagotavljanje dostopa** do raziskovalnih podatkov na način, ki zagotavlja enostavno in dobro seznanjeno uporabo za različne namene.
- **Usposabljanje** raziskovalcev in drugi deležnikov o delu s podatki.
- **Aktivna promocija druge rabe podatkov**.

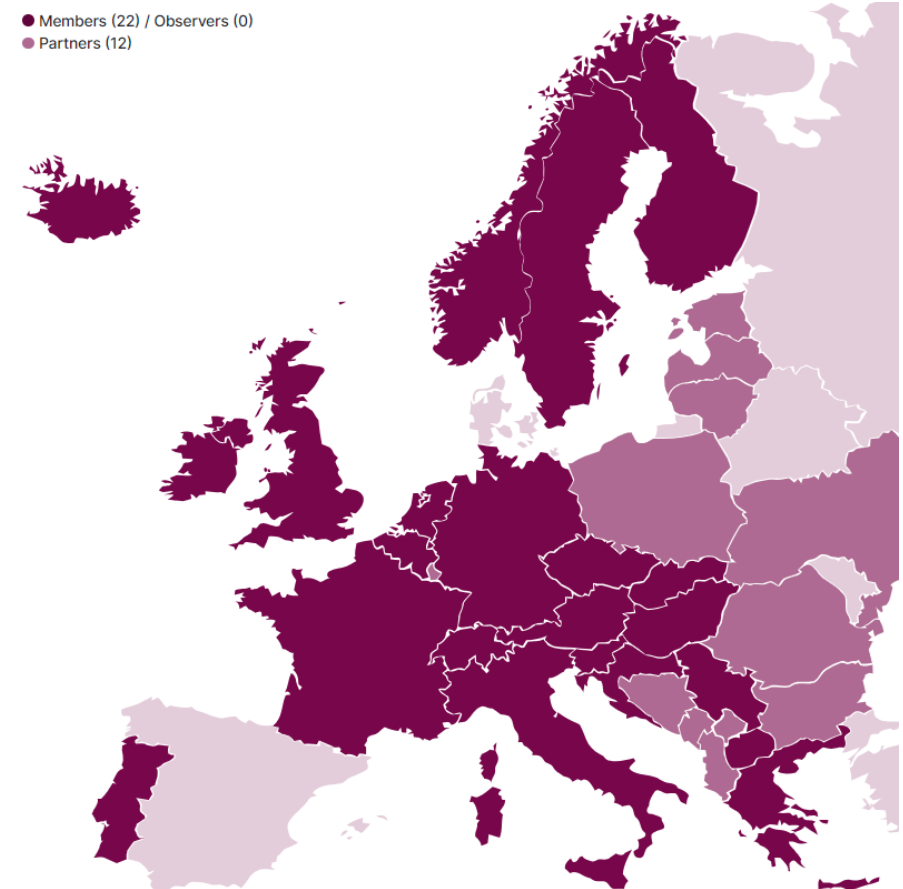
# Konzorcij evropskih arhivov družboslovnih podatkov (CESSDA)

(primer evropske področne podatkovne infrastrukture)

## Poslanstvo CESSDA

1. **zagotoviti celovito trajnostno raziskovalno infrastrukturo**, ki bo raziskovalni skupnosti omogočala izvajanje visokokakovostnih raziskav na področju družboslovja, ki bodo prispevale k iskanju učinkovitih rešitev za glavne izzive današnje družbe ter
2. **olajšati poučevanje in učenje** na področju družboslovja.

## Države članice CESSDA



# Glavni produkti in storitve pri CESSDA

## Podatkovni katalog CESSDA

- Enotna točka za iskanje evropskih družboslovnih podatkov
- Opisi 37.000 raziskav, ki jih članice hranijo v več kot 20 evropskih državah
- Opisi kvantitativnih & kvalitativnih, presečnih & longitudinalnih, zgodovinskih & nedavnih raziskav
- Večina opisov raziskav je v nacionalnem in angleškem jeziku

The screenshot shows the CESSDA DC Data Catalogue interface. At the top, there is a search bar with the text 'science' and a language dropdown set to 'English'. Below the search bar, a blue navigation bar contains links for 'Reset filters', 'Clear search', 'About', 'User Guide', and 'REST API'. The main content area displays '8428 studies found in English from a total of 37072'. On the left, there are filter categories: 'Topic', 'Keywords', 'Collection years', 'Country', and 'Publisher', each with a help icon. On the right, there are controls for 'Results per page' (set to 30) and 'Sort by' (set to Relevance). Below these, a pagination bar shows page numbers 1, 2, 3, 4, and an ellipsis. The first search result is titled 'Role of *Science* in Finnish Worldviews and Everyday Thinking 2019-2020' by Haimila, Roosa and Taira, Teemu. The description of the study follows, detailing its focus on Finnish worldviews and everyday thinking.

cessda  
DC Data Catalogue

science English

Reset filters Clear search About User Guide REST API

8428 studies found in English from a total of 37072

Topic Keywords Collection years Country Publisher

Results per page 30 Sort by Relevance

1 2 3 4 ...

**Role of *Science* in Finnish Worldviews and Everyday Thinking 2019-2020**  
Haimila, Roosa (University of Helsinki. Faculty of Theology);  
Taira, Teemu (University of Helsinki. Faculty of Theology)

The survey studied the role of science in Finnish worldviews and everyday thinking. Main themes of the survey included how those who value science approach fundamental questions about the nature of the universe and human existence and how science informs their worldviews. The study was funded by the Finnish Cultural Foundation. First, the respondents' beliefs were charted with questions on the origins of human consciousness, evolution, the origin of the universe, and the reason for the...

Study description available in: EN FI Access study

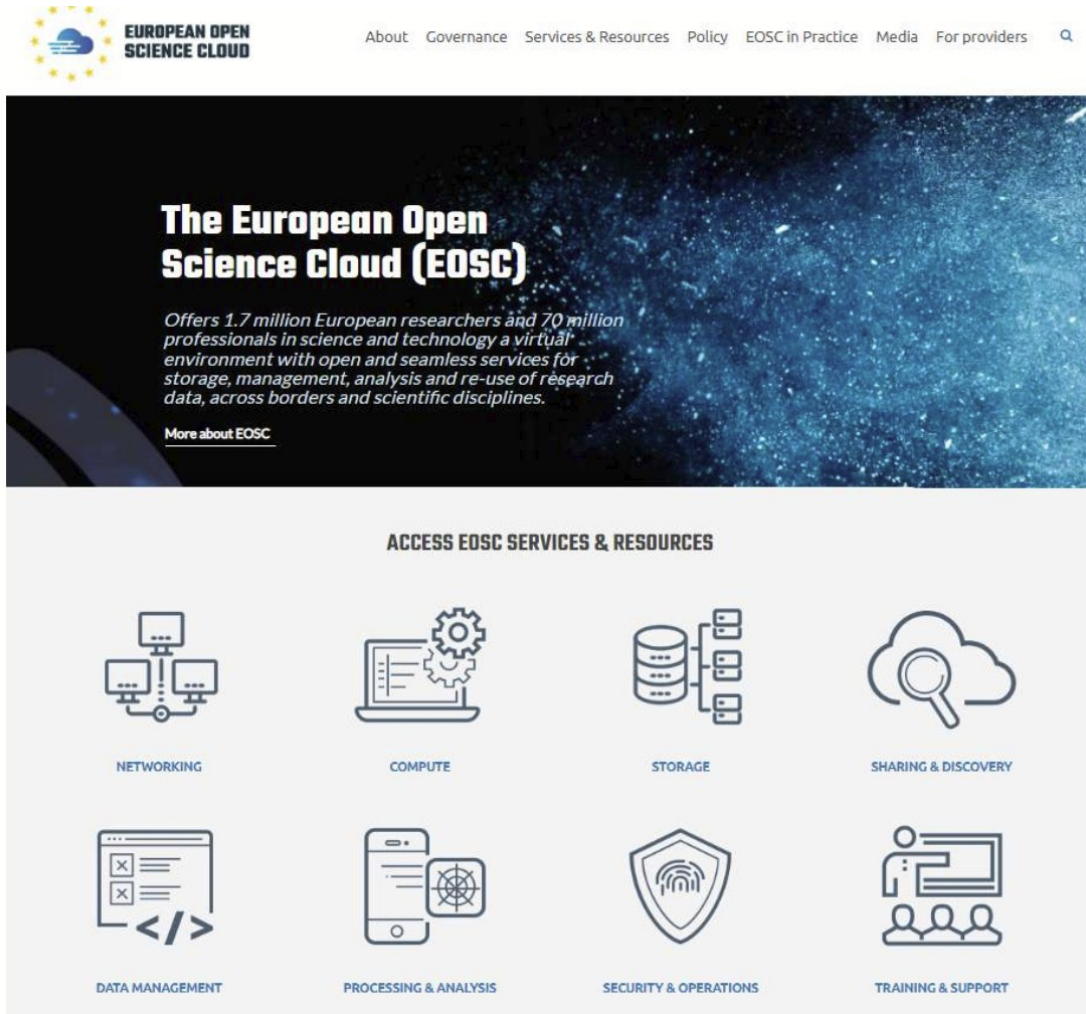
# EOSC Portal

Portal EOSC omogoča dostop do storitev, publikacij, podatkov, izobraževalnih in drugih virov na tržnici EOSC, ter dostop do informacij, povezanih z evropskim oblakom odprte znanosti. Dostopen je na naslovu: <https://eosc-portal.eu/>.

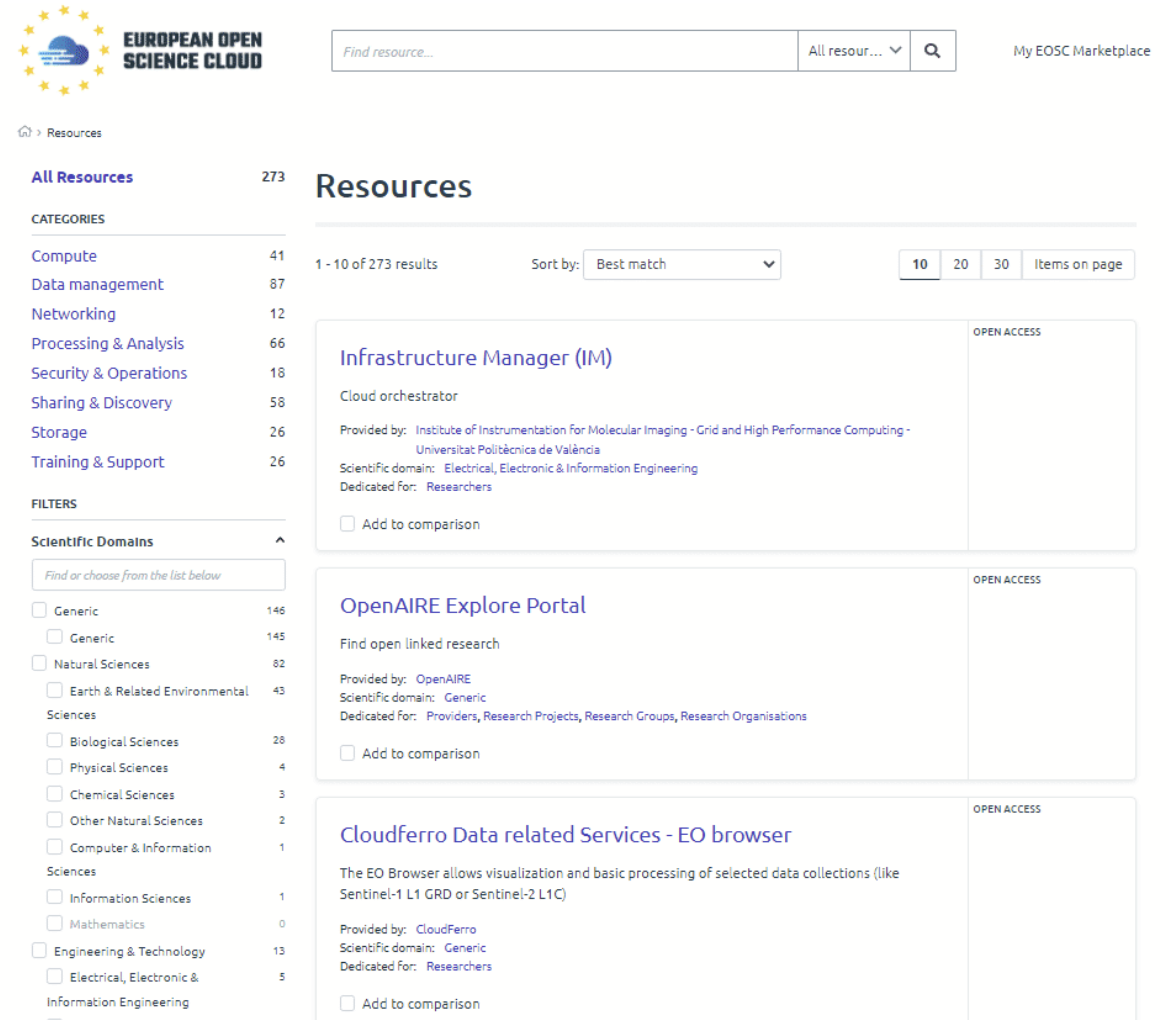
Namenjen je raziskovalcem, raziskovalnim organizacijam, ponudnikom storitev, raziskovalnim in e-infrastrukturam, knjižnicam, gospodarskim subjektom, občanskim znanstvenikom in vladnim agencijam. Vsi ga lahko uporabljajo brezplačno.

*Opozorilo: vsebine predstavitev o EOSC Portalu so v veliki meri povzete iz izobraževalnih vsebin pripravljenih v projektu EOSC Future. Več čez nekaj drsnic.*

# Razvoj portala in tržnice 2018-2022



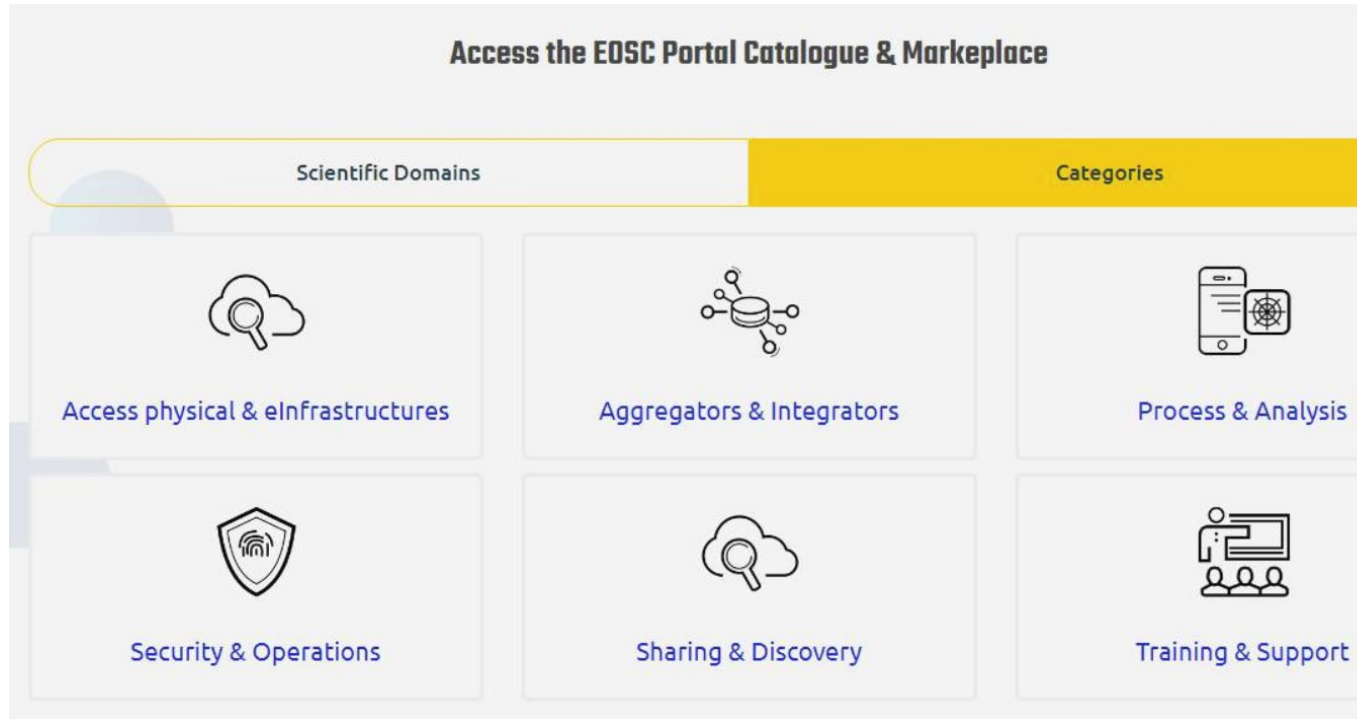
November 2018



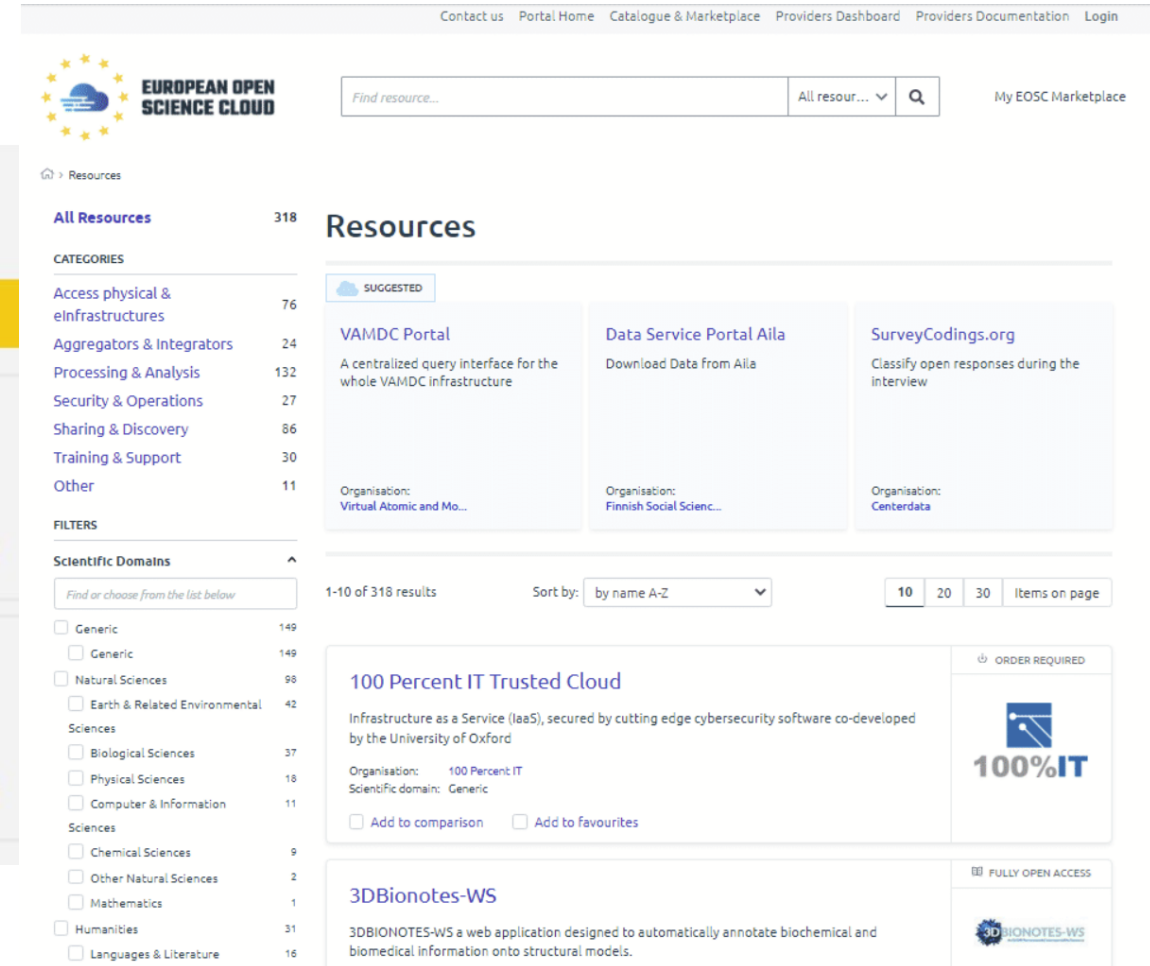
April 2020

VIR: [For EOSC Trainers: Module 2: The EOSC Portal](#)

# Razvoj portala 2021-2022



April 2021



April 2022

VIR: [For EOSC Trainers: Module 2: The EOSC Portal](#)

# Razvoj portala 2022-23



Search in catalogs

All catalogs



ALL CATALOGS



PUBLICATIONS



DATA



SOFTWARE



SERVICES



DATA SOURCES



TRAININGS



OTHER

## Filters

### Research step

clear all

- ☐ Discover Research Outputs (3281268)
- ☐ Access Training Material (93)
- ☐ Process and Analyse (90)
- ☐ Manage Research Data (48)
- ☐ Access Computing and Storage Resources (34)
- ☐ Access Research Infrastructures (27)
- ☐ Publish Research Outputs (16)
- ☐ Find Instruments & Equipment (1)

### Horizontal service

clear all

3281644 search results in All catalogs

Service Ordered Required English

### EGI Cloud Compute

Ordered required 22 November 2018 Type: service

Scientific domain: Generic>Generic Generic

Organisation: EGI Foundation

pre-configured virtual appliances virtual machines on-demand

Cloud Compute gives you the ability to deploy and scale virtual machines on-demand. It offers guaranteed computational resources in a secure and isolated environment with standard API access without the overhead of managing physical servers. Cloud Comp...

Show more

## Suggested

### A Line from Rabelais: Faire and Softly Passeth

Publication Open Access

Undetermined

Author names: Oscar Grünwald

DOI: 10.2307/30062679

### Pachyrotula raceki

Publication Open Access

UNKNOWN

Author names: Pronzato, Roberto Manconi, Renata

DOI: 10.5281/zenodo.3664961 10.5



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Researchers including scientists, students, lecturers, teachers and citizen scientists

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Find datasets, scientific publications and software for your research activities



[Publish Research Outputs](#)

Store, backup, archive your data, publications, software



[Find Funding Opportunities](#)

Learn about RDA/EOSC Future open calls, EOSC DIH support schemes and more

## Tools



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Find HPC, IT centres for science, cloud computing, online storage



[Process and Analyse](#)

Verify, organise, transform and integrate data, then export it in the format you need



[Access Training Materials](#)

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November 2022

April 2023

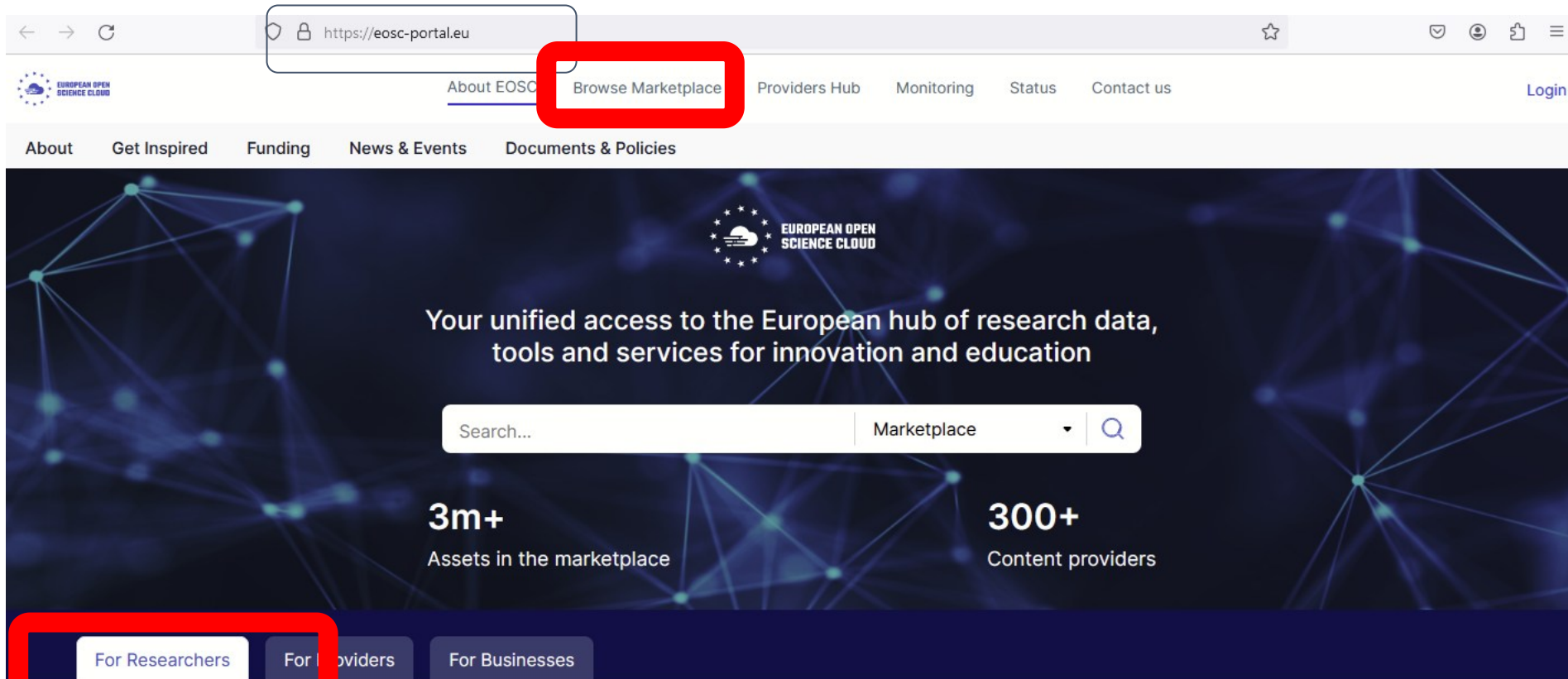
VIR: [For EOSC Trainers: Module 2: The EOSC Portal](#)

# Razvoj portala 2023



Junij 2023

Portal je v razvoju.



Researchers including scientists, students, lecturers, teachers and citizen scientists

## Explore and Contribute



### [Discover Research Outputs](#)

Find datasets, scientific publications and software for your research activities



### [Publish Research Outputs](#)

Store, backup, archive your data, publications, software



### [Find Funding Opportunities](#)

Learn about RDA/EOSC Future open calls, EOSC DIH support schemes and more

## Tools



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### [Research Data Management](#)

### [Research Infrastructures](#)

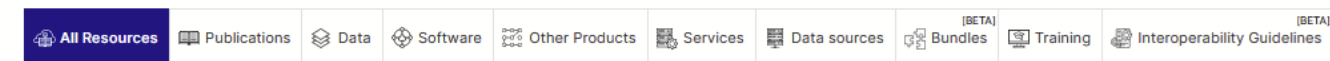
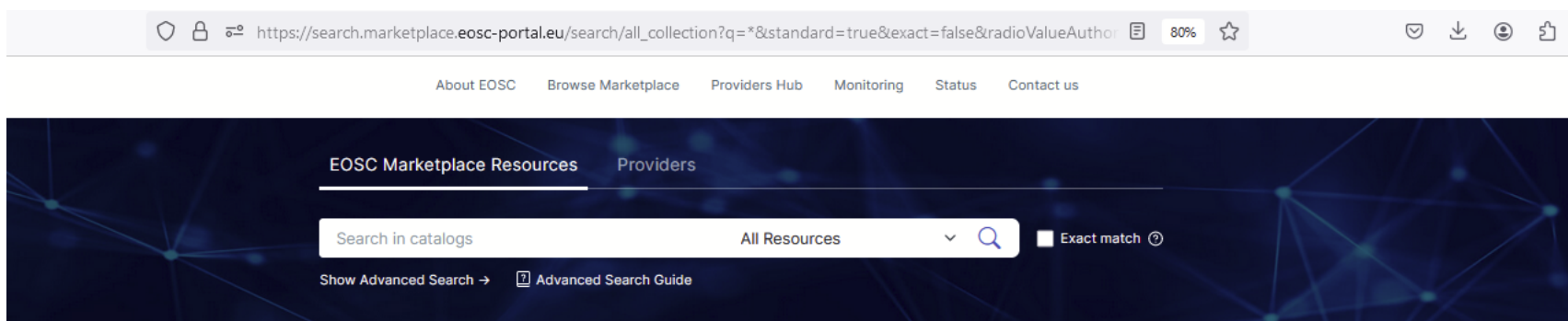
### [Instruments & Equipments](#)

### [Regional & Thematic Projects](#)

[Get Inspired](#)

Januar 2024

Vir: <https://marketplace.eosc-portal.eu/>



## Filters

### Research step

Search in research step...

- ☐ Discover Research Outputs (5384175)
- ☐ Process and Analyze (108)
- ☐ Manage Research Data (70)
- ☐ Access Computing and Storage Resources (47)
- ☐ Access Research Infrastructures (45)
- ☐ Access Training Material (45)
- ☐ Find supporting services for eInfras and research institutions (40)
- ☐ Build analysis environment (26)

show more

### Type of research product

- ☐ Publication (2413574)
- ☐ Dataset (2294386)
- ☐ Other (462540)
- ☐ Software (213522)
- ☐ Service (403)
- ☐ Data Source (70)
- ☐ Training (29)
- ☐ Interoperability Guideline (24)
- ☐ Bundles (8)

### Access right

Community Catalog

All selection

### Exploration Toolkit

Navigating EOSC Catalogue & Marketplace

## All Resources

## Publications

## Data

## Software

## Other Products

## Services

## Data sources

## Bundles

## Training

## Interoperability Guidelines



### Service

ORDER REQUIRED

Horizontal Service

181 Downloads 5514 Views English

Organisation: EGI Foundation

Scientific domain: Generic

Cloud Compute gives you the ability to deploy and scale virtual machines on-demand. It offers guaranteed computational resources in a secure and isolated environment with standard API access without the overhead of managing physical servers. Cloud Comp... Show more

Keywords: pre-configured virtual appliances virtual machines on-demand

Access the Service

### SeaDataNet European Directory of the Initial Ocean-Observing Systems (EDIOS)

#### Data Source

OPEN ACCESS

2 Downloads 0 Views English

Organisation: SeaDataNet

Scientific domain: Earth & Related Environmental Sciences Natural Sciences

SeaDataNet is a pan-European distributed marine data infrastructure for the management

### Effective Data Reuse

Documentation and Metadata Refinement

Help

POMEMBNO:  
Viri ne gostujejo na  
tržnici, prav tako  
raziskovalci na tržnici  
ne objavljajo  
raziskovalnih  
podatkov.

Vir:

[https://search.marketplace.eosc-portal.eu/search/all\\_collection?q=\\*](https://search.marketplace.eosc-portal.eu/search/all_collection?q=*)

Januar 2024



# Welcome to the EOSC Knowledge Hub

A learning management system (Moodle) and training catalogue for the European Open Science Cloud, the EOSC Knowledge Hub is your source of EOSC-related learning and training resources.



## Training Resources

Benefit from videos, slides and much more in open formats.



## Courses

Get access to EOSC-specific learning resources catering to different stakeholders and scientific disciplines.



## Learning Paths

Get new skills step-by-step with specially designed learning paths.





**For EOSC End-users - Module 2: The EOSC Portal**

Welcome to this course which will give you an overview of the main functionalities of the EOSC Portal for researchers and other consumers (end-users) of EOSC data, services and software). This module is intended for researchers regardless of their discipline or career stage. This content is under review and will be finalised soon.

Data Discovery, Data Preservation, Research Data Management, Open Science



**For EOSC End-users - Dashboard for the State of the Environment**

Welcome to this module about the service "Dashboard for the State of the Environment". This service was developed in one of the EOSC Future Science Projects, which aims at giving you insight on the state of the environment via an interactive dashboard. This module is intended for anyone (researchers, policy makers, general public) who would like to use the Dashboard, either to view and access the visualised data or to provide data to be shown on the Dashboard. For those who would like to duplicate the architecture to develop their own dashboard, a separate tutorial is being developed.

Data Discovery, Data Preservation, Research Data Management, EOSC, Open Science



**For EOSC Providers - Onboarding via Providers Dashboard**

What are the practical steps to onboard my services, data and/or software to EOSC?

Data Discovery, Data Preservation, Research Data Management, EOSC, Open Science



**For EOSC Providers - How to onboard services to the EOSC Marketplace via the EOSC Portal Open API?**

Welcome to this module which aims to give you an overview of one of the procedures for onboarding services to the EOSC Marketplace. Onboarding is a process that a provider must follow to register a resource in the EOSC Marketplace. The onboarding process is different for research products (publications, data, software), services, data sources and



**For EOSC Providers - How to integrate your service with the EOSC Helpdesk?**

Welcome to this course on the EOSC Helpdesk. The course is intended for service providers who have onboarded services to the EOSC Marketplace and would like to integrate their existing helpdesks with EOSC Helpdesk in order enable users to contact them via the EOSC Marketplace or use the EOSC Helpdesk as-a-service to manage user requests.

Data Discovery, Data Preservation



**For EOSC Providers - EOSC Monitoring Service**

Welcome to this provider course on how to integrate the EOSC Monitoring Service with your services onboarded to the EOSC Marketplace. This course is intended for service providers who have onboarded services to the EOSC Marketplace and want to integrate the EOSC service monitoring system enabling them to monitor the performance of their services and infrastructures.

Data Discovery, Data Preservation

Vir:

<https://openplato.eu/blocks/catalog/list.php?searchurl=1&categories=164>

17 tečajev (za začetnike, nadaljevalni tečaj)

Deležniki:

- uporabniki
- ponudniki
- izobraževalci
- podporne službe in financerji



## Ordering services

- Introduction to the EOSC Portal ☒
- Overview of the structure: What can be found on the EOSC Portal? ☐
- EOSC Catalogue & Marketplace: Navigation and discovery ☐
- Information about resources ☐
- My EOSC Marketplace ☒
- Choosing services ☐
- Accessing services ☐
- Ordering services ☐
- Use cases: Using EOSC resources ☐
- Quiz ☐
- Further information ☐

Some services are not open access, i.e. they require ordering (access is paid or the resource is available upon request), in which case orders can be placed using the EOSC Catalogue and Marketplace order management system.

If a service is not in open access, a user should place an order to be able to use it. You can do it from the EOSC Catalogue and Marketplace without visiting the provider's website. Let's learn how to order services using the EOSC Catalogue and Marketplace order management system.



Tečaji so prosto dostopni.  
Prijava kot gost ali z uporabniškim računom v kolikor želiš slediti napredku.

Kvizi za preverjanje znanja.

# The EOSC Portal:

## Uses and benefits for researchers

Research is always evolving, and innovation and breakthroughs are enabled by the resources and services available to researchers. In addition to discipline-specific solutions, the European Open Science Cloud (EOSC) is there to help researchers find, access, exploit and re-use data resources and services.

Research communities and research infrastructures are collaboratively creating their respective parts of EOSC and support the formation of an EOSC central infrastructure, including the EOSC Portal.



### Discover a wealth of research products and services with EOSC

The EOSC Portal complements discipline-specific catalogues and marketplaces, offering new possibilities to find (and publish your own) data and research outputs. For researchers, the Portal is a first step in the search for data from various disciplines related to your and your colleagues' research projects. You can also find many useful data analysis tools (e.g. Jupyter notebooks).

Find out how to use the [EOSC Portal](#) – a search engine for the cross-domain discovery of publications, data, software, grey literature and other research, services and training resources.



### Increase your organisation's visibility by registering your research products and services with EOSC

Research data-hosting organisations and infrastructures can increase the visibility of their datasets and other research products by registering their repositories and enabling automatic metadata harvesting of their resources through the EOSC Portal.

See the [EOSC Providers Hub](#) for more details and training resources about how to register your research products and services with EOSC.



### Add research support services to the EOSC Marketplace

IT and related service providers can make their offers available to a vast network of research communities and their RIs as well as public organisations and industry stakeholders.

Register to the [EOSC Marketplace](#). Follow these guidelines for [service onboarding](#).

[www.eoscfuture.eu](http://www.eoscfuture.eu)  

Stay up to date on the EOSC Portal and services

Want to learn more about EOSC and what has been developed in the past years in the context of EOSC Future and other EU-funded projects? Discover [science projects](#), [EOSC in practice stories](#) and the latest [EOSC news](#).



The EOSC Future project is co-funded by the European Union Horizon Programme call INFRAEOSC-03-2020 - Grant Agreement Number 101017536

## Additional EOSC services



### User dashboard

The [EOSC Portal's user dashboard](#) allows authenticated users to define a [user profile](#) that will allow the EOSC Portal to suggest new resources of interest. Users can add projects with multiple users, bookmarks for favourite resources, and more. Communication with EOSC experts and alerts can also be managed through the dashboard.



### Federated AAI

Federated Authentication and Authorization Infrastructure (AAI) is a service provided by many research community infrastructures that enables users to access those services and tools with their institutional credentials. EOSC provides the same federated AAI for all its core services and offers guidelines for application developers who consider implementing EOSC type federated AAI in new services.



### EOSC Monitoring

EOSC service providers can integrate the EOSC monitoring service into their own services which helps to measure and improve the service reliability (e.g. uptime). Potential users can view this information via the service landing page in the catalogue or overall EOSC services status page.



### EOSC Helpdesk

EOSC offers a helpdesk service that EOSC service providers can integrate into their own services at different levels, e.g., linking their service's GUI or integrating their own helpdesk workflow with the central [EOSC Helpdesk](#).

Vir: [The EOSC Portal: Uses and Benefits for Researchers](#)

# ANSWERING RESEARCH QUESTIONS WITH EOSC



**How did the COVID-19 pandemic affect air quality in France?**

ANNE FOUILLOUX, Climate data scientist

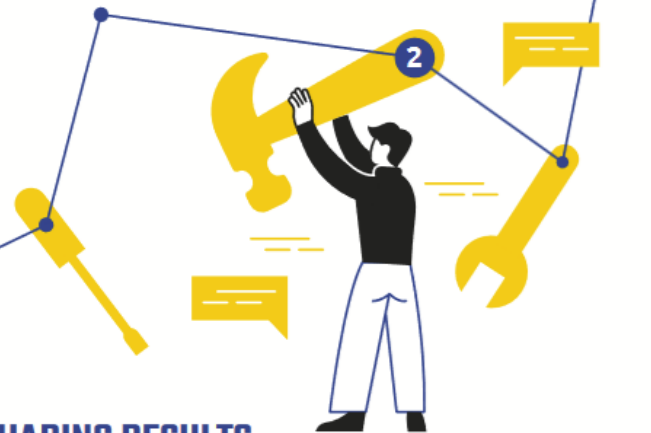


## SEARCH

Anne starts by checking the EOSC Portal for existing research outputs that can help her on her way. She's in luck! She finds a Jupyter notebook with atmospheric data from Copernicus, the EU's Earth Observation Programme.

## FINDING COMPATIBLE TOOLS

Additionally, EOSC recommends tools to help Anne process the Jupyter notebook and share her outputs.



## SHARING RESULTS

Anne also uses the Jupyter notebook and B2Drop to make her outputs accessible through EOSC using Zenodo\*\*\*.



## REUSE

Anne adapts and reuses the Jupyter notebook to get results for France in the years before, during and after the COVID-19 pandemic.



## ORDERING AND ACCESS

Anne is eager to dive in. To request access to the Jupyter notebook, she'll need to **place an order** through EOSC. With just a few clicks she makes the request for an **EGI Notebook\*** and **B2Drop\*\*** package.

\* **EGI Notebook:** A browser-based tool for interactive data analysis using EGI compute resources.  
\*\* **B2DROP:** A low-barrier, user-friendly storage environment provided by EUDAT.  
\*\*\* **Zenodo:** A general open repository for all scholarship, developed by OpenAIRE.



The EOSC Future project is co-funded by the European Union Horizon Programme call INFRAEOSC-03-2020 - Grant Agreement Number 101017536

Find out for yourself what's available on EOSC:  
[www.eosc-portal.eu](http://www.eosc-portal.eu)

Vir: [The EOSC Portal: Uses and Benefits for Researchers](#)

# Using the EOSC Portal: **LIBRARIES**

Libraries are a vital support for researchers when it comes to navigating access to research publications, data and services. The European Open Science Cloud (EOSC) Portal helps researchers find and access these outputs as well as services.

## Here are some ways to engage with the EOSC Portal



### HELP YOUR RESEARCHERS SEARCH FOR RESOURCES

**Discover** discipline-specific research outputs and services

**Access** and **reuse** Open Science training resources

Find out how to use the **EOSC Portal** – a search engine for the cross-discovery of publications, data, software, grey literature and other research, services and **training resources**



### MAKE YOUR REPOSITORY AND INSTITUTIONAL SERVICES VISIBLE

Register your repository or service as a **Data Source** so it can be harvested

Make your repository or service available to users from other institutions and countries

**Want to make your repository content & resources available to a wider audience?**  
Check the eligibility criteria for becoming an EOSC provider on the **EOSC Providers Hub**



## POINT YOUR RESEARCHERS TO THE FOLLOWING SERVICES



### User dashboard

The **EOSC Portal's user dashboard** feature allows authenticated users to define a **user profile** that will allow the EOSC Portal to suggest new resources of interest. Users can add projects with multiple users, bookmarks for favourite resources, and more. Communication with EOSC experts, alerts and other urgent updates can also be managed through the dashboard



### Facilities for data analysis

Help researchers access facilities for computation and analysis (e.g. facilities that their host organisation might not have)



### EOSC Authentication & Authorization Infrastructure (EOSC AAI)

Librarians can sign into EOSC services using the AAI, and researchers can sign in using institutional and personal credentials



### Accounting

Receive feedback on how research outputs from institutional repositories are viewed and downloaded with EOSC Accounting features



### Monitoring

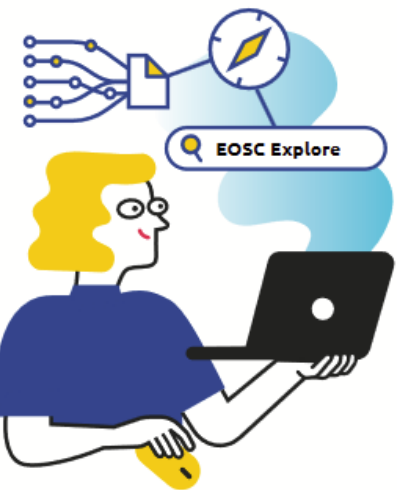
Track the reliability of library services registered on the EOSC Portal with the EOSC Monitoring service

**www.eoscfuture.eu**



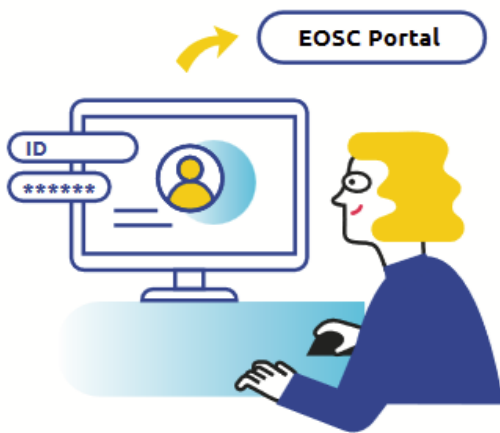
Vir: [Using the EOSC Portal: Libraries](#)

Whether as a research support, user or resource provider,  
start engaging with EOSC...



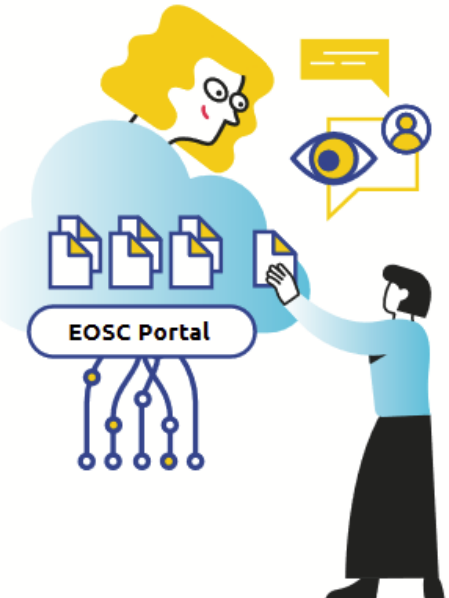
**EXPLORE**

Help researchers find cross-disciplinary resources, software, data and services via the **EOSC Portal**.  
Show researchers how to link resources and people and get access to data-related services.



**REGISTER**

Register\* your repository as a Data Source on the **EOSC Portal**.  
  
\*To make your resources available on EOSC, your institution must be registered as an EOSC provider. A registered EOSC provider can register several resources using the same institutional identity.



**EXPOSE**

Your library repository metadata records will become automatically available and visible via the **EOSC Portal**.



**TRACK**

Review content views and downloads from your repository and track the reliability of your services.

Vir: [Using the EOSC Portal: Libraries](#)

# EOSC diskusijske kartice



**Open Science** 1

Making research 'Open' and 'FAIR' is the responsibility of institutions, not researchers.

...

...

...

...

**EOSC** 2

Researchers who create software tools can benefit from making them available on the EOSC Marketplace.

...

...

...

...

**Ethical and legal issues** 1

All researchers should be trained on ethical and legal issues.

...

...

...

...

[About EOSC](#)[Browse Marketplace](#)[Providers Hub](#)[Monitoring](#)[Status](#)[Contact us](#)[About](#)[Get Inspired](#)[Funding](#)[News & Events](#)[Documents & Policies](#)

Your unified access to the European hub of research data,  
tools and services for innovation and education

[Marketplace](#)

3m+

Assets in the marketplace

300+

Content providers

[For Researchers](#)[For Providers](#)[For Businesses](#)

Get involved in EOSC, you will get new users and be more recognizable

## Contribute to EOSC

[Go to Providers Dashboard](#)[Onboard Resources](#)[Application Programming Interfaces \(APIs\)](#)

## How to become an EOSC Provider

[Onboard as a new provider](#)[Documentation](#)[Statistics](#)

Januar 2024

Vir: <https://marketplace.eosc-portal.eu/>

[Contact Us](#) [Portal Home](#) [Catalogue & Marketplace](#) [Providers Dashboard](#) [Providers Documentation](#) [Login](#)[About](#) [Statistics](#) [For Providers](#) [For Catalogues](#)

## Welcome to the EOSC Providers Portal

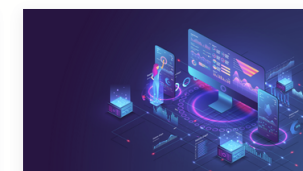
Updated information, documentation, and instructions for onboarding resources can be found in the new [Providers Hub](#) section of [eosc-portal.eu](#).

A single platform for providers to onboard their organization into EOSC portal, register and manage their resources and gain rich insights about their offerings in the catalogue.



### Onboarding of Resources

Self service, Workflow based

[Learn more](#)

### Provider Dashboard

Gain full control of your resources in the catalogue

[Learn more](#)

### Application Programming Interfaces (APIs)

Programmatic management of resources

[Learn more](#)



Your unified access to the European hub of research data,  
tools and services for innovation and education



3m+

Assets in the marketplace

300+

Content providers

[For Researchers](#)[For Providers](#)[For Businesses](#)

Engage with EOSC to make your business grow both as a customer of EOSC services or as a provider

## Explore

[Success stories](#)[Business Oriented Services](#)[Funding Opportunities](#)[Consultancy and Training](#)

## Engage

[Join the community](#)

## More

[About EOSC DIH](#)[Partnerships](#)

Vir: <https://marketplace.eosc-portal.eu/>



Januar 2024

Search...

Marketplace



[Home](#) / [Eosc In Practice](#) / Use cases

## Use cases

This page provides examples of "EOSC in practice" use cases or success stories that highlight how EOSC services and resources can support the daily work of researchers and innovators. Please scroll down to make the use cases appear.

If you wish to share your EOSC use case, please [fill out the webform](#).



### Run4science.org - Measuring environmental and biodiversity data... while running!

We want citizens to measure their environment by using smartphones. Most of the citizen science initiatives are focused on one topic: it can be air quality, biodiversity.



### Kampal Artificial Intelligence for rare disease diagnosis

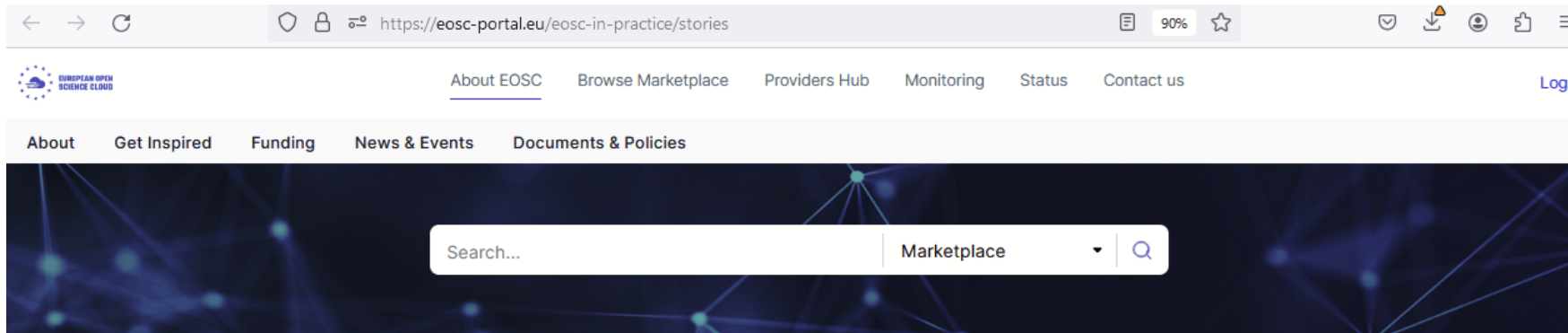
In the context of the EOSC-hub project, Kampal Data Solutions is benefitting from storing the healthy and ill patients' registries to a database on EOSC infrastructure.



### Guardomic: bot mitigation engine

Web services owners struggle daily to protect their websites from bot traffic and their users from fraudulent digital ads or cryptocurrency web mining.

Vir: <https://eosc-portal.eu/eosc-in-practice/use-cases>



[Home](#) / [Eosc In Practice](#) / EOSC in practice stories

## EOSC in practice stories

This collection of EOSC in Practice Stories demonstrate the impact of the EOSC, showcasing its collaborative essence and transformative capabilities across disciplines. EOSC empowers researchers, institutions, and projects to drive open science, foster innovation, and unlock new frontiers.

[Download the EOSC in Practice Stories Booklet!](#)

**EOSC in Practice Story**

**N.36**

Galaxy for Ecology: Making Biodiversity Science Source Codes FAIR



**Yvan Le Bras**  
Responsable de la coordination scientifique et technique Infrastructure Pôle National des Données de Biodiversité chez Muséum national d'Histoire naturelle  


### Galaxy for Ecology: Elevating FAIRness of Biodiversity Science Source Codes

French Biodiversity e-infrastructure (PNDB) spearheads the Galaxy for Ecology movement, driving the transformation of ecology-focused source codes crucial in crafting biodiversity indicators.

**EOSC in Practice Story**

**N.35**

Connecting Disciplines: Strengthening Open Data Practices in the EOSC Marketplace



**Magdalena Szuflińska-Zurawska**  
Head of the Open Science Competence Center at Gdańsk University of Technology  


### Connecting Disciplines: Strengthening Open Data Practices in the EOSC Marketplace

The project "Data practices in an interdisciplinary perspective - building good standards and universal solutions" was supported under RDA

**EOSC in Practice Story**

**N.34**

Searching for bright compact needles in a radio haystack of galaxies and stars



**Dany Vohl**  
Research Associate, University of Amsterdam, Affiliated scientific researcher, ASTRON, Netherlands Institute for Radio Astronomy  


### Searching for bright compact needles in a radio haystack of galaxies and stars

The discovery of fast radio bursts (FRBs) is one of the most intriguing radio astronomical discoveries of our time.

Vir: <https://eosc-portal.eu/eosc-in-practice/stories>



EUROPEAN OPEN  
SCIENCE CLOUD

# Browse EOSC Marketplace Resources

Browse through over 3 millions of research and innovation tools and services, thousands of datasets from a wide scale of research domains from renowned European service providers.

*Find resource...*



Discover by

[All resources](#)

[Software](#)

[Services](#)

[Publications](#)

[Data](#)

[Data Sources](#)

[Service Bundles](#)

[Training Materials](#)

[Interoperability Guidelines](#)

# Search by Research Activity



## [Discover Research Outputs](#)

Find datasets, scientific publications, software.



## [Data Management](#)

Find robust, feature-rich and user-friendly services for Data Management.



## [Access research infrastructures](#)

Find frameworks made by scientific clusters or RIs that will equip you with the tools to tackle your use case.



## [Find Instruments & Equipment](#)

Find research instruments and scientific equipment.



## [Publish research outputs](#)

Store, backup, archive your data, publications, software.



## [Access computing and storage resources](#)

Find HPC, IT centres for science, cloud computing, cloud container computing, online storage.



## [Process and analyse](#)

Verify, organise, transform and integrate data, then export it in the format that works with your tools.



## [Access training material](#)

Find lessons, courses, videos.

EOSC Marketplace Resources Providers

data management

Clear X

All Resources

Exact match ?

1

Show Advanced Search →

Advanced Search Guide

All Resources Publications Data Software Other Products Services Data sources Bundles [BETA] Training Interoperability Guidelines [BETA]

2

## Filters

### Research step

3

Search in research step...

- ☐ Discover Research Outputs (843367)
- ☐ Process and Analyze (70)
- ☐ Manage Research Data (57)
- ☐ Access Research Infrastructures (33)
- ☐ Access Computing and Storage Resources (27)
- ☐ Access Training Material (26)
- ☐ Find supporting services for einfras and research institutions (19)
- ☐ Build analysis environment (16)

show more

### Type of research product

- ☐ Publication (372411)
- ☐ Dataset (370458)

### Community Catalog

All selection

843610 search results All Resources

Download Results

<< < 1 2 3 4 5 >

Sort By Best match



### TRUSTED drifting buoys data, a Copernicus project

Data: Dataset

OPEN ACCESS

2021

Author: Coriolis Data Management

Identifier: DOI: 10.17882/79294

The European Union's Copernicus-funded TRUSTED project (Towards Fiducial Reference Measurements of Sea-Surface Temperature by European Drifters) has deployed over 100 state of the art drifting buoys for improved validation of Sea Surface Temperature (SS... [Show more](#)

Keywords: marine data Marine Science

Source | Cite | Pin to the Marketplace Project

4

5

### Exploration Toolkit

Navigating EOSC Catalogue & Marketplace



### Searching Pathways

Smart Strategies for EOSC Exploration



### Effective Data Reuse

Documentation and Metadata Refinement





## CESSDA User Guide: Trusted digital repositories: audit and certification

Publication: Other literature type

OPEN ACCESS

2015 285 Downloads 57 Views English

Author: CESSDA

Identifier: DOI: 10.5281/zenodo.2595238

Brief overview of different certification processes for trusted digital repositories

Keywords: digital preservation certification trusted digital repositories

Source | Cite | Pin to the Marketplace Project



## CESSDA Publication Policy & Procedures

Publication: Other literature type

OPEN ACCESS

2020 229 Downloads 574 Views English

Author: CESSDA ERIC

Identifier: DOI: 10.5281/zenodo.3904264

This document describes CESSDA's approach to internal dissemination, public release and curation of materials produced through CESSDA ERIC funding and other CESSDA-related information. All information is initially stored in CESSDA's information storage ... [Show more](#)

Keywords: Infrastructure Policy PID Publication

Source | Cite | Pin to the Marketplace Project

 ZENODO ▾ |  Share  Cite

## CESSDA Behavioural Data for COVID-19 research

 **Publication** » *Other literature type* • 01 Jun 2021 • English • Zenodo

Authors: *CESSDA ERIC*;

DOI: [10.5281/zenodo.4891817](https://doi.org/10.5281/zenodo.4891817) 

1

Summary

Subjects

Metrics

### Abstract

CESSDA is excited to take part in the ICRI2021 pandemic virtual expo with it's booklet on "CESSDA behavioural data for research tackling the global COVID-19 challenge" CESSDA provides a full-scale sustainable research infrastructure enabling the research community to conduct high-quality research in the social sciences to bring effective solutions to the major challenges facing society today. The infrastructure also facilitates teaching and learning in the social sciences. The CESSDA consortium is committed to supporting researchers working on COVID-19 related research and its significant health and societal impacts.

2

|                                                                                     |            |         |
|-------------------------------------------------------------------------------------|------------|---------|
|  | Citations  | 0       |
|  | Popularity | AVERAGE |
|  | Influence  | AVERAGE |
|  | Impulse    | AVERAGE |
|  | Views      | 482     |
|  | Downloads  | 208     |

### Related to Research communities

[COVID-19](#) 



1

## CESSDA Data Management Expert Guide (DMEG)

DMEG

Share Expertise, Enhance Data FAIRness

Organisation: [Consortium of European Social Science Data Archives ERIC](#)

☆☆☆☆☆ (0.0 /5) 0 reviews ☐ Add to comparison ☐ Add to favourites

2

[Access the service](#)

 FULLY OPEN ACCESS

3

[→ Webpage](#) [→ Helpdesk](#) [→ Helpdesk e-mail](#) [→ Manual](#)  
[→ Training information](#)

[Ask a question about this service?](#)

4

ABOUT

DETAILS

GUIDELINES

REVIEWS (0)

This guide is designed by European experts to help social science researchers make their research data findable, accessible, interoperable and reusable (FAIR). You will be guided by European experts who are - on a daily basis - busy ensuring long-term access to valuable social science datasets, available for discovery and reuse at one of the CESSDA social science data archives.

5

### SERVICE IDENTIFIERS

• EOSC PID: [fcc721f6](#)

### SCIENTIFIC CATEGORISATION



Social Sciences



# ARGOS

ARGOS

Plan and follow your data

Organisation: [OpenAIRE](#)

☆☆☆☆☆ (0.0 /5) 0 reviews ☐ Add to comparison ☐ Add to favourites

HORIZONTAL SERVICE

Access the service

OPEN ACCESS

[→ Webpage](#) [→ Helpdesk](#) [→ Helpdesk e-mail](#) [→ Manual](#)

[Ask a question about this service?](#)

ABOUT

DETAILS

GUIDELINES

REVIEWS (0)

## Similar services

### forschungsdaten.info

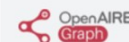


Forschungsdaten.info is the German-language information portal on research data management (RDM). The...

Organisation:  
forschungsdaten.info

Dedicated for:  
Researchers, Research...

### OpenAIRE Graph Access API



A gateway to open research

Organisation:  
OpenAIRE

Dedicated for:  
Businesses, Providers

### DMPonline



The leading tool to help you develop Data Management Plans

Organisation:  
Digital Curation Centre

Dedicated for:  
Funders, Researchers,...

### OpenAIRE ScholExplorer



The data and literature interlinking service

Organisation:  
OpenAIRE

Dedicated for:  
Businesses,...

### CloudFerro Data Collections Catalog



Data Collections Catalog is based on two solutions – CKAN – comprehensive frontend catalogue...

Organisation:  
CloudFerro

Dedicated for:  
Researchers

### Data Stewardship Wizard



Smart Data Management Plans for FAIR Open Science

Organisation:  
Data Stewardship Wizard

Dedicated for:  
Other

## Suggested compatible services

### AMNESIA



Anonymize your datasets

### OpenAIRE Funder Dashboard



One-stop-shop for funder open research monitoring

Argos ([argos.openaire.eu](#)) is the online machine-actionable Research Data Management (RDM) activities concerning the implementation and configurable tool which follows global standards including machine actionability. Argos uses OpenAIRE guides created concepts and guide them throughout the process of describing inferred sources to make DMPs more dynamic in use and ease the Science ecosystem. Argos is based on the OpenDMP open source

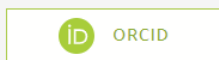
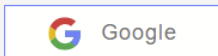
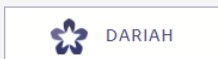
# Uporabniške funkcionalnosti



EUROPEAN OPEN  
SCIENCE CLOUD

English ▾

## CHOOSE YOUR ACADEMIC/SOCIAL ACCOUNT



or



Search...

29 Mayis University

A\*STAR - Agency for Science, Technology and Research

A. T. Still University

AAF Virtual Home

aai.lab.maeen.sa

AAI@EduHr Single Sign-On Service

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## Profile



Ime in priimek  
Elektronski naslov

### ADDITIONAL INFORMATION

EDIT

#### Categories of interests

- Data
- Data Archives
- Metadata

#### Scientific domains of interests

- Medical & Health Sciences
- Social Sciences

My EOSC



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Marketplace API

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### EMAIL NOTIFICATIONS

EDIT

You are signed up to receive updates about new EOSC Services in your:

- Category of interests

You can add or remove notification channel at any time by editing your subscribe preferences.



Irena Vipavc Brvar

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Favourites

## Favourites



Training



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Open Access

### Crafting your own training using EOSC resources

Type: Training English 01.11.2022

Open Science Pedagogy EOSC

Welcome to this train-the-trainer course on setting up and delivering your training on EOSC. This module will provide you with pedagogical tools and expertise to help you create engaging EOSC training. This module is intended for trainers who will include EOSC subjects in their training. The module is disciplinarily agnostic and applicable to trainers working with a range of stakeholder groups.

Author names: Bezuidenhout Louise Clare Helen Dijk Elly Ferguson Kim Flohr Pascal Hirsch Lisa Kuchma Iryna Ševkušić Milica Vipavc Brvar Irena EOSC Future

In favourites!



Training



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Open Access

### What institutions need to know? Engaging with the EOSC Portal

Type: Training English 01.11.2022

Research Data Management Open Science EOSC

This module offers an overview of the European Open Science Cloud (EOSC) and the EOSC Portal wht EOSC enables and how new institutional services can be onboarded - via a collection of practical use cases examples illustrating EOSC tailored to different domains and success stories on using EOSC resources.

Author names: Kuchma Iryna Ševkušić Milica

In favourites!



# Naročanje storitve



## Simple storage service

SSS

Research data storing and sharing.

Organisation: [Institute of Physics Belgrade](#)

☆☆☆☆☆ (0.0 /5) 0 reviews

☐

Add to comparison

☐

Add to favourites

Access the service



ORDER REQUIRED

→ [Webpage](#)

→ [Helpdesk e-mail](#)

→ [Manual](#)

→ [Training information](#)

[Ask a question about this service?](#)

ABOUT

DETAILS

GUIDELINES

REVIEWS (0)

The Simple Storage Service (SSS) is a secure data storage service provided to researchers for storing and sharing research data as well as keeping it synchronized across different devices. SSS is functionally similar to Dropbox, Office 365, or Google Drive. Files are stored in conventional directory structures, accessible via WebDAV. User files are encrypted during transit and can be synchronized with local clients running Windows, macOS, or various Linux distributions. The service is based on the NextCloud platform.

### SERVICE IDENTIFIERS

- EOSC PID: b2257575

### SCIENTIFIC CATEGORISATION



Generic

# Primer: Podnebno nevtralna in pametna mesta

## CILJ:

Dokazati, da je mogoče ustrezne **podnebne podatke** in **podatke o vrednotah, vedenju in vključenosti državljanov** združiti in jih ustrezno znanstveno analizirati.

Podatki so na voljo prek platforme EOSC.

Partnerji med več-disciplinskimi skupnostmi:

- skupnost **SSHOC**: ESS Eric (City University of London; Sikt), CESSDA (SND; ADP)
- skupnost **ENVRI**: IAGOS
- + neodvisni strokovnjaki projekta.

# Priprava indikatorjev in združevanje podatkov



## Podatki Evropske družboslovne raziskave za izbrana Evropska mesta

**D19 CARD 37** You may have heard the idea that the world's<sup>73</sup> climate is changing due to<sup>74</sup> increases in temperature over the past 100 years. What is your personal opinion on this? Do you think the world's climate is changing? Choose your answer from this card.

|                         |                    |
|-------------------------|--------------------|
| Definitely changing     | 1                  |
| Probably changing       | 2 <b>GO TO D21</b> |
| Probably not changing   | 3                  |
| Definitely not changing | 4 <b>ASK D20</b>   |
| (Refusal)               | 7                  |
| (Don't know)            | 8 <b>GO TO D21</b> |

**ASK IF DEFINITELY NOT CHANGING AT D19 (code 4)**

**D20 CARD 38** How much have you thought about climate change before today?

|              |                    |
|--------------|--------------------|
| Not at all   | 1                  |
| Very little  | 2                  |
| Some         | 3                  |
| A lot        | 4 <b>GO TO D30</b> |
| A great deal | 5                  |
| (Refusal)    | 7                  |
| (Don't know) | 8                  |



## Podnebni podatki ERA5

| Name      | Long Name           | Type       |
|-----------|---------------------|------------|
| adapto... | adaptor.mars.i...   | Local File |
| fg10      | 10 metre wind ...   | Geo2D      |
| lati...   | latitude            | —          |
| lon...    | longitude           | 1D         |
| t2m       | 2 metre temper...   | Geo2D      |
| time      | time                | 1D         |
| tp        | Total precipitation | Geo2D      |

## Priprava indikatorjev



## Kakovost zraka EEA

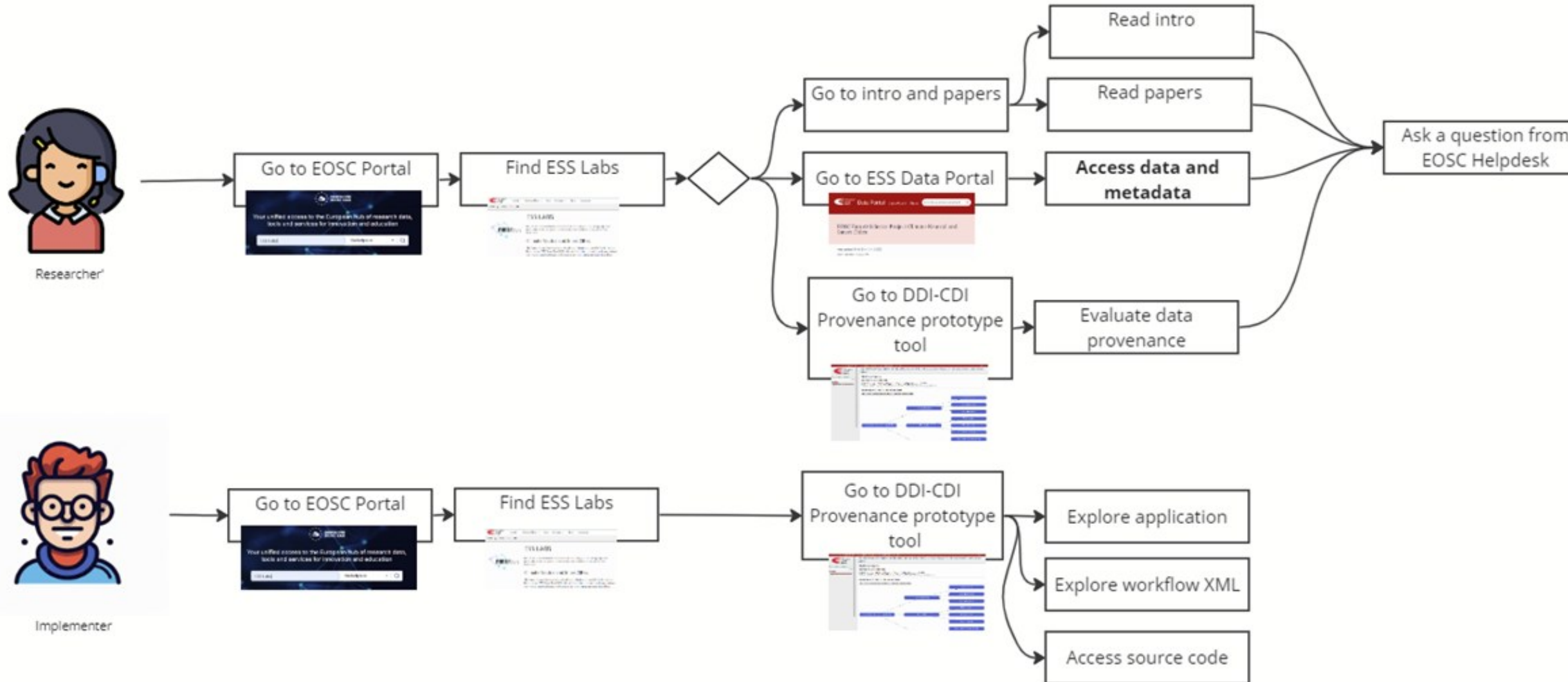


European  
Environment  
Agency

## Združevanje podatkov



# ESS Labs



# Če povzamemo vrednosti portala

- Na portal so dodane zaupanja vredne, urejene in posodobljene informacije.
- Uporabimo lahko enotni vmesnik za odkrivanje za iskanje različnih vrst virov.
- Zagotavljanje kakovosti: viri morajo izpolnjevati določene zahteve, za vključitev, npr. zrelost storitve, politike.
- Portal spodbuja in podpira sodelovanje (npr. primeri uporabe in podpora ponudnikom).

VPRAŠANJA



## Kontakt:

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Zahvala:  
Brini Klemenčič, UKM



Univerza v Ljubljani



PEDAGOŠKI INŠTITUT

