

NEXUS

# OpenAIRE CONNECT

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CNR - ISTI

# Open Science: practices and objectives



# “Open Science is an accelerator for SDGs”

Ana Persic, UNESCO

Senior Programme Specialist, Chief of Section a.i.  
Division of Science Policy and Capacity-Building  
Natural Sciences Sector UNESCO

**Universities, research institutions,  
communities need to further embrace Open  
Science across their activities to facilitate  
and speed up the progress towards the UN's  
SDGs.**

**Not having a dedicated personalized portal to discover and communicate Open Science outcomes, using scientific indicators and trusted resources is like speaking to an empty audience.**



# WHAT TO DO?



## Track

Reproducibility and transparency require tracking of all outcomes of science and related "context"



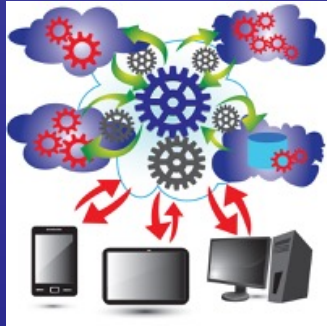
## Monitor

Monitoring quality, impact, and "open scienceness" of science should be a transparent, reproducible process for all, inclusive of research "context"

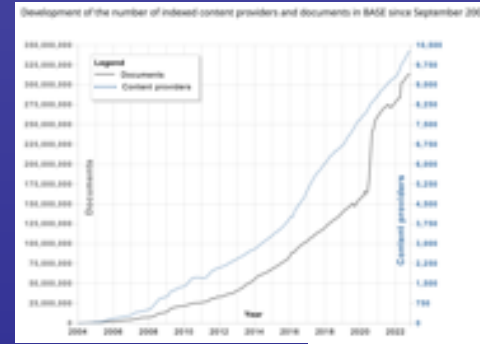


## Discover

Discovery of reproducible science outcomes must find new ways, driven by "scientific intentions" that go beyond the "find articles related to a research topic"



Heterogeneity



Publication deluge

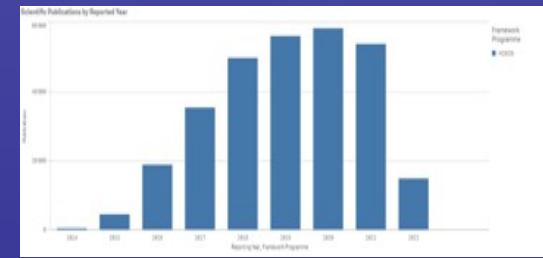
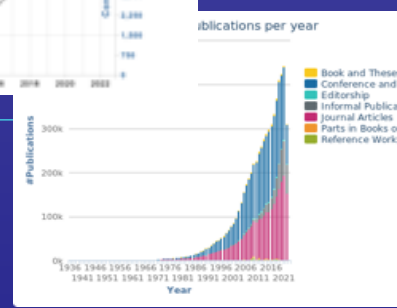
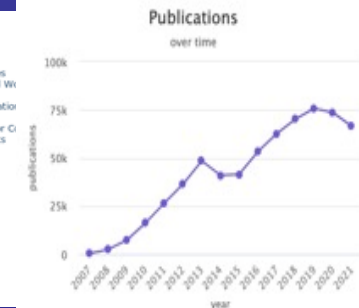


Chart from the EC Horizon Dashboard



DBLP statistics



OpenAIRE statistics for EC funded publications

# CHALLENGES



Completeness

Quality and accuracy



**To design, build, set up, run and maintain an infrastructure that aggregates all Open Science works metadata collections of specific interests requires time, high costs, R&D, expertise.**





**Build a Gateway  
for your  
Community.**



Turn Open Science into Practice.  
It takes your open and linked research products.  
A service customized to your needs.

LEARN MORE

<https://connect.openaire.eu>

Open Access Week 2022 | 25 October 2022



**Create and manage a personalized gateway for your research community to mobilise the discovery, assess and outreach of research products that matter to you and your audiences.**

# What is a **CONNECT** Gateway?

## **A portal with:**

- A customised view of the Open Research Graph
- Complete branding capabilities
- Discovery and monitoring functionalities

## **Facilitator of OS practices**

- Linking & claiming research
- Finding repositories
- Sharing

## **Integrated with:**

- Other OpenAIRE services: Zenodo, UsageCounts, EXPLORE
- ORCID
- Global AAI Standard

## **A service on demand, operated by OpenAIRE:**

- Data updates on a regular basis (every 1-2 months)
- Full IT support of the service: installation, maintenance, upgrade, backups



Community Gateway

The diagram shows two screenshots of the Aurora Community Gateway. The left screenshot is an admin dashboard for 'Aurora Universities Network' with sections for 'Community info', 'Users', 'Pages & Menus', and 'Customization'. The right screenshot is the public-facing 'Aurora Universities Network' page, featuring a search bar and navigation links.

Gateway configuration



Identify relevant research products



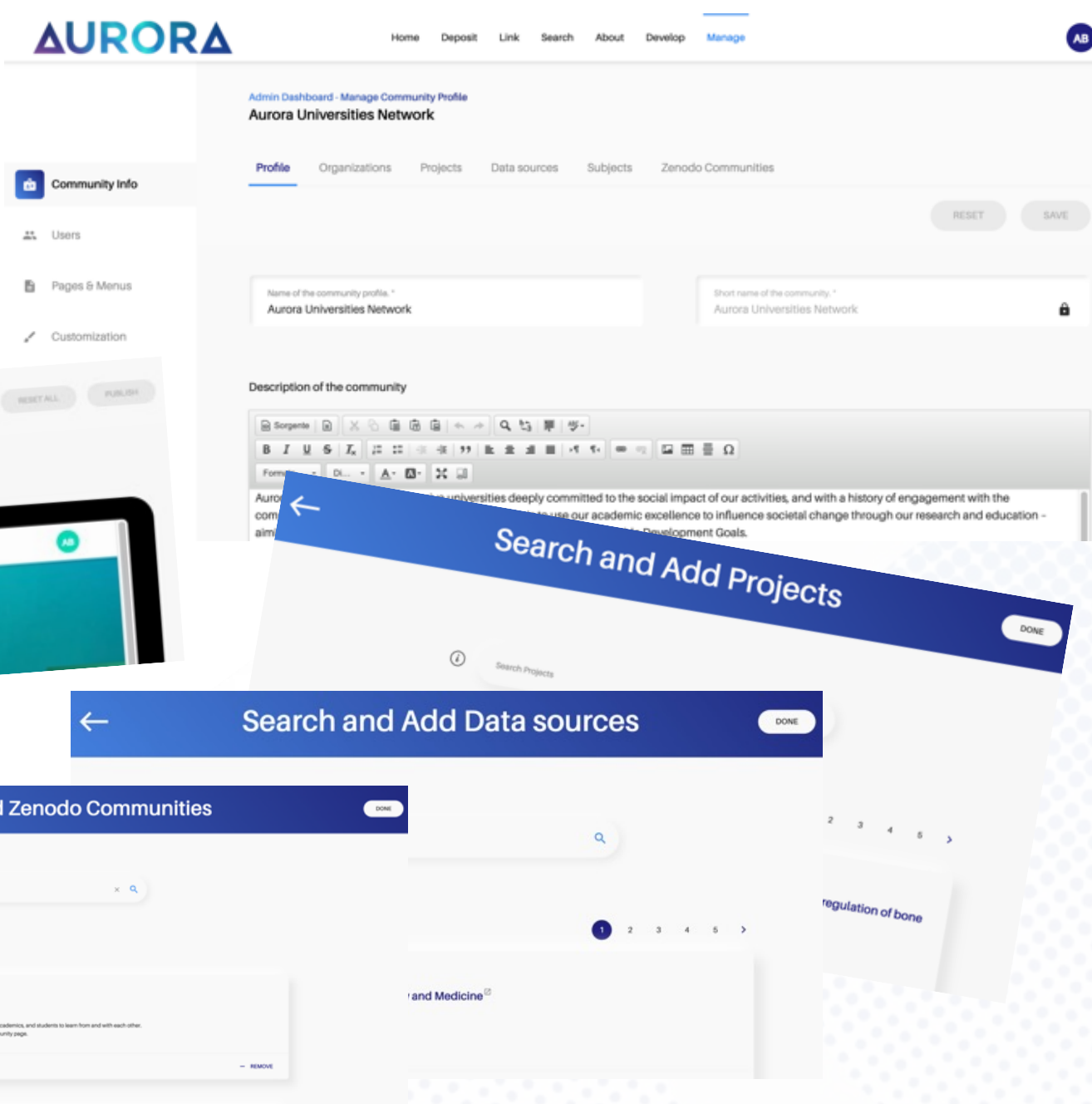
The screenshot shows a Zenodo dataset page titled 'OpenAIRE Research Graph: Dumps for research communities and initiatives'. It includes a search bar, 'Upload' and 'Communities' links, and a list of authors. The dataset has 961 views and 491 downloads.

<https://doi.org/10.5281/zenodo.3974604>



# What will you get?

An admin dashboard for the curators to configure the gateway



# Community Gateway content configuration in more detail



Keywords

Discipline-specific subject terms to be found in the metadata

Projects

From the 22 funders integrated in OpenAIRE

Data sources

E.g. thematic repositories, archives and journals

Zenodo communities

With research products relevant for the field

Organizations

Organizations in the field: we look for them in the affiliations



Link

Link products in OpenAIRE, Crossref, Datacite, ORCID to the community, also in bulk

Propagation

If a community result is supplemented by another research product, then the latter is also added in the community gateway

Full-text mining

Links to projects  
Affiliations

Document classification



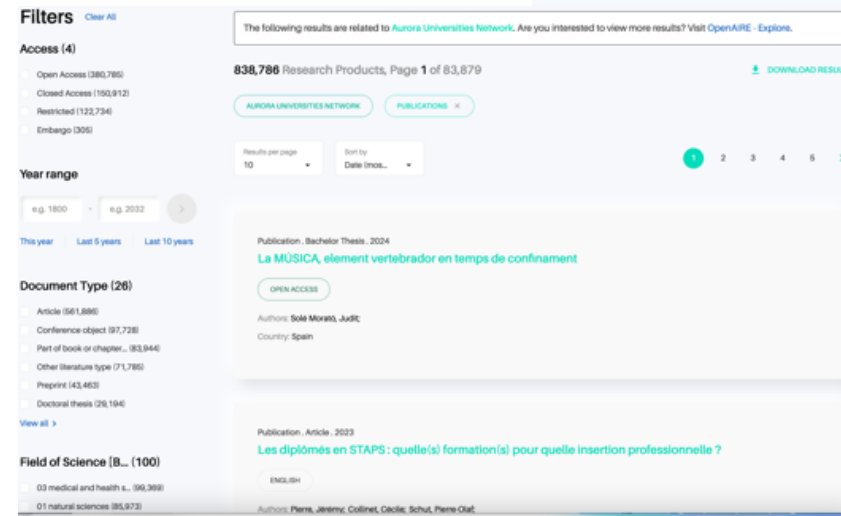
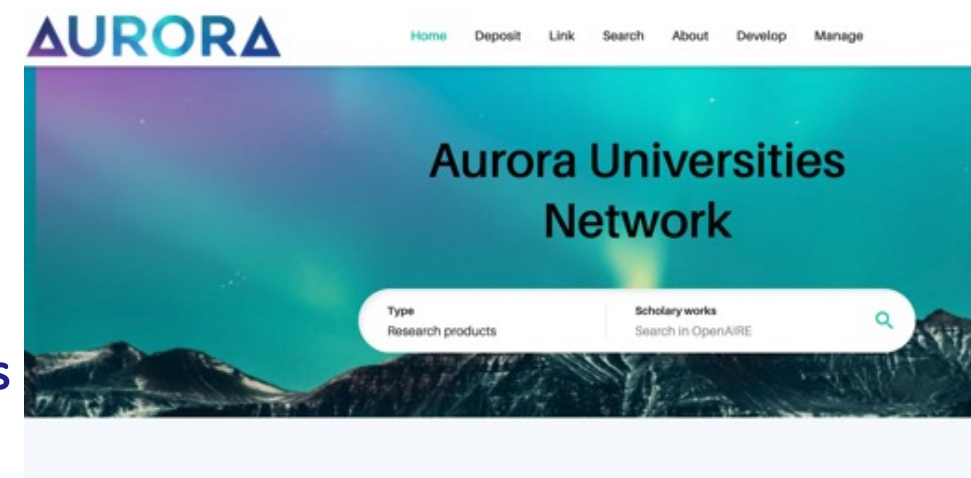
# What will you get?

A customized portal for your community where users can ...


SEARCH any type of research works

Check out the UPTAKE of Open Science practices of the community

Find the right place to DEPOSIT



Universities deeply committed to the social impact of our activities, and with a history of engagement academic excellence to influence societal change through our research and education – aiming Sustainable Development Goals.



- 1. Find the appropriate repository or journal**  
Find the appropriate repository to deposit your research products of any type (publication, data, software, other) or to include in your data management plan. Search and browse for OpenAIRE and re3data. Looking for Open A among the journals registered in know more, read the OpenAIRE C basics
- 2. Deposit**  
Find the repository to deposit yos suggested by the community cur
- 3. Publish**  
Find the Open Access journals th Directory of Open Access Journa

- Archivio della ricerca - Università degli studi di Napoli Federico II
- Repositori Institucional URV
- University of East Anglia digital repository
- DuEPublico - Duisburg-Essen Publications Online

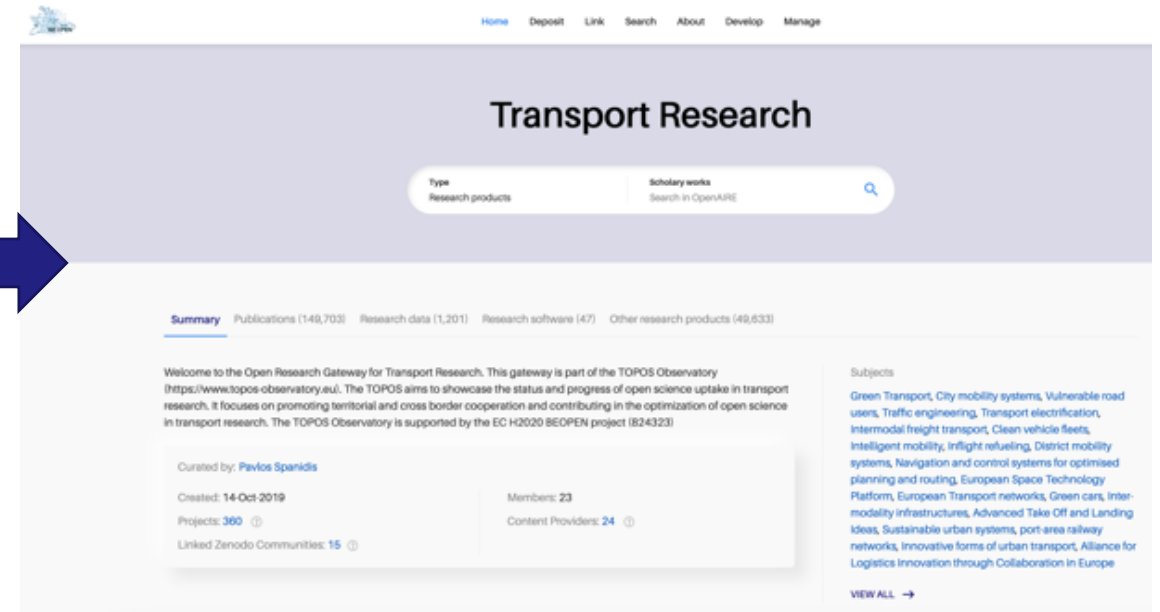
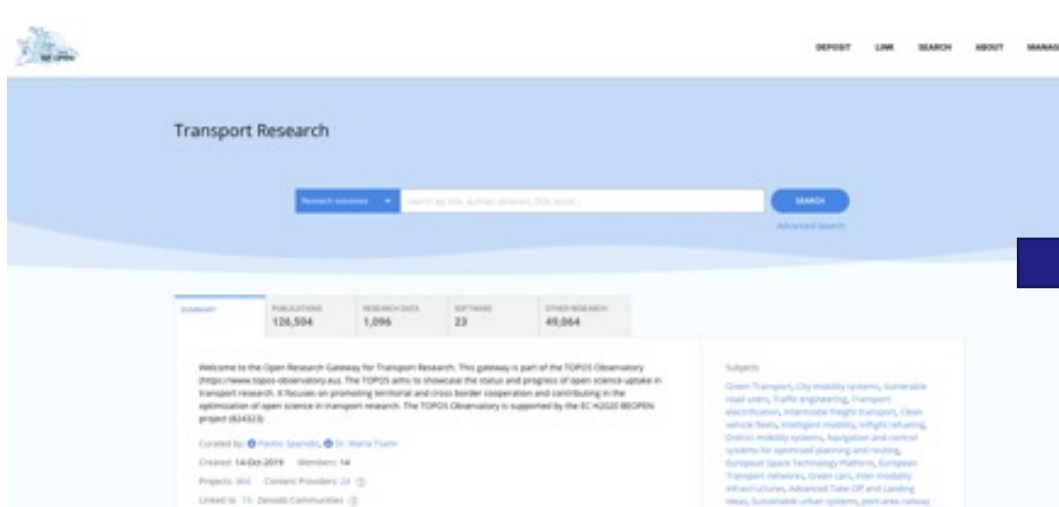
LINK research works among them and with funding projects



# Latest development news



# NEW HOME PAGE



- New menu
- New subject page
- Centered title and search box
- + other details

# NEW LANDING PAGE

Publication Article, 2022  
**Distortions of National Policies to Renewable Energy Cooperation Mechanisms**  
Jelle Meus, Hanne Pitronvic, Stef Proost, Erik Delarue

Published: 01 Oct 2022  
Publisher: International Association for Energy Economics  
Country: Belgium

Abstract  
aparotf. Energy Journal vol.43 issue.4 pages.89-100 status: published

Permanent identifier  
DOI: 10.1016/j.jenecon.2022.100000

Subjects  
F000 TEXT KEYWORDS: General Energy, Economics and Economics

Related Organizations  
Université Catholique de Louvain  
Belgium

All Lessons  
Belgium

Share on social sites  
Link functionality  
Select citation style

Integration with ORCID and EUDAT B2Note

Download from  
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Click on the data source name in bold to go to the full-text or its landing page

Based on authors' affiliations or institutional repository (when available)

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Publication Article, 2022  
**Distortions of National Policies to Renewable Energy Cooperation Mechanisms**  
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OPEN ACCESS

DOI: 10.5547/01956574.43.4.jmeu

Published: 01 Oct 2022 Journal: The Energy Journal, volume 43 (year: 0195-6574) Copyright policy  
Publisher: International Association for Energy Economics (IAEE)  
Country: Belgium

Summary

Abstract  
aparotf. Energy Journal vol.43 issue.4 pages.89-100 status: published

Subjects by Vocabulary  
Microsoft Academic Graph classification: BUSINESS NATURAL RESOURCE ECONOMICS RENEWABLE ENERGY BUSINESS INDUSTRY

Subjects  
General Energy, Economics and Economics

Related to Research communities  
Energy Research

Download from  
View all 3 sources

Litas Article, 2021  
Provider: Litas

Member

Write your

ACTIONS

- Actions grouped on the bottom left
- Usage statistics on the top left
- More compact view of different versions

# CREATE YOUR OWN MENU

The image displays two views of the NEANIAS system. On the left is the 'Admin Dashboard - Manage Menus' interface for the 'NEANIAS Atmospheric Research Community'. The dashboard includes a navigation menu with 'Pages & Menus' selected. The main content area shows a list of menu items: 'NEANIAS project website', 'Underwater Research Community', and 'Space Research Community', each with an 'External URL' dropdown. A '+ NEW MENU ITEM' button is visible. 'Menu settings' are shown with 'Show menu' selected. On the right is the public website view, featuring a dark blue header with the same menu items. The main content area has the title 'NEANIAS Atmospheric Research Community' and a search bar with 'Type Research products' and 'Scholarly works Search in OpenAIRE' options. Buttons for 'Join' and 'Invite users' are on the right.

# Get on board!

**FORTHem Alliance**  
Creation Date: 06-10-2022  
FORTHem: Fostering Outreach within European Regions, Transnational Higher Education and Mobility  
MANAGE →

**GOTRIPLE - Social Sciences and Humanities Discovery service**  
Creation Date: 14-05-2021  
Community gateway for the TRIPLE Horizon project  
MANAGE →

**Galaxy**  
Creation Date: 23-06-2021  
Galaxy is an open, web-based platform for computational biomedical research. It allows researchers without programming experience to run data analysis workflows on their data, share their analyses with others, and enable others to repeat the same analysis. This makes science reproducible, it facilitates sharing of data and results, and...

**Heritage Science**  
Creation Date: 13-07-2022  
Heritage Science community gateway is managed by the IPERION-H2 Research Infrastructure EU project. Heritage science is the interdisciplinary domain of scientific study of cultural or natural heritage. Heritage science draws on diverse humanities, sciences and engineering disciplines. It focuses on enhancing the understanding, car...

**Assessing the socio-economic impact of digitalisation in rural areas**  
Creation Date: 15-07-2020  
The scope of this community is to provide access to publications, research data, projects and software for assessing the socio-economic impact of digitalisation in rural areas in Europe  
MANAGE →

**Aurora Universities Network**  
Creation Date: 30-11-2021  
Aurora consists of research-intensive universities deeply committed to the social impact of our activities, and with a history of engagement with the communities in which we operate. Our overall vision is to use our academic excellence to influence societal change through our research and education - aiming to contribute to the...  
MANAGE →



**Corona Virus Disease**  
Creation Date: 16-03-2020  
This portal provides access to publications, research data, projects and software that may be relevant to the Corona Virus Disease (COVID-19). The OpenAIRE COVID-19 Gateway aggregates COVID-19 related records, links them and provides a single access point for discovery and navigation. We tag content from the OpenAIRE Research Graph...

**DARIAH EU**  
Creation Date: 01-03-2018  
The Digital Research Infrastructure for the Arts and Humanities (DARIAH) aims to enhance and support digitally-enabled research and teaching across the arts and humanities. It develops, maintains and operates an infrastructure in support of ICT-based research practices and sustains researchers in using them to build, analyse and interpret...

**Digital Humanities and Cultural Heritage**  
Creation Date: 01-03-2018  
This community gathers research results, data, scientific publications and projects related to the domain of Digital Humanities. This broad definition includes Humanities, Cultural Heritage, History, Archaeology and related fields.

**NEANIAS Atmospheric Research Community**  
Creation Date: 01-08-2022  
NEANIAS Atmospheric Research Community engages Open Science practices through the European Open Science Cloud (EOSC), targeting a wide variety of sectors related to the atmosphere. The sectors it targets include, among others, meteorologists, industrial air pollutant emitters, ecologists, geologists, rural urban planners and air quality...

**NEANIAS Space Research Community**  
Creation Date: 01-06-2020  
The NEANIAS Space Research Community engages Open Science practices through the European Open Science Cloud (EOSC), targeting a wide variety of scientific and professional communities related to Astrophysics and Planetary Science engaging also computer scientists and software engineers interested in computer vision and...

**NEANIAS Underwater Research Community**  
Creation Date: 19-04-2020  
NEANIAS Underwater Research Community engages Open Science practices through the European Open Science Cloud (EOSC), targeting a wide variety of scientific and professional communities related to the marine environment. NEANIAS Underwater group provides three user-friendly, cloud-based solutions addressing bathymetry processing...

**EUTOPIA Open Research Portal**  
Creation Date: 13-07-2022  
EUTOPIA is an ambitious alliance of 10 like-minded universities ready to reinvent themselves: the Babeş-Bolyai University in Cluj Napoca (Romania), the Vrije Universiteit Brussel (Belgium), the Ca' Foscari University of Venice (Italy), CY Cergy Paris Université (France), the Technische Universität Dresden (Germany), the University of...

**EUR+**  
Creation Date: 08-11-2021  
EUR+ is an alliance of 8 universities: Technological University Dublin, Riga Technical University, Cyprus University of Technology, Technical University of Cluj Napoca, Polytechnic University of Catalonia, University of Technology of Troyes, Technical University of Sofia and Hochschule Darmstadt.

**European Marine Biological Resource Centre**  
Creation Date: 26-05-2021  
The European Marine Biological Resource Centre (EMBRIC) is a European 'research infrastructure' that provides researchers and companies with access to marine organisms and the facilities to study them, including experimental facilities and technological platforms. We enable researchers to better understand our impact on the oceans and...

**European Marine Science**  
Creation Date: 01-03-2018  
This community was initially defined to include a very broad range of topics, with the intention to generate a number of more focused and sustainable dashboards for research communities and initiatives. As outlined in the logo of this community, we intend to setup a community dashboard for EuroMarine (a consortium of 56 research and academic...

**Neuroinformatics**  
Creation Date: 01-03-2018  
The neuroinformatics dashboard gathers research outputs from the 'neuroinformatics' community at large including the fields of: neuroscience, neuroinformatics, brain imaging databases and standards, brain imaging techniques, neuroimaging methods including statistics and machine learning. The dashboard covers a wide range of imaging...

**North American Studies Gateway**  
Creation Date: 13-07-2022  
North American Studies was born in the context of collaboration between CISAN, the Center for Research on North America and the multi- and interdisciplinary research unit of Universidad Nacional Autónoma de México UNAM and OpenAIRE. The aim of this collaboration is to strengthen the integration and automated intercommunication...

**Sustainable Development Solutions Network - Greece**  
Creation Date: 01-03-2018  
The UN Sustainable Development Solutions Network (SDSN) has been operating since 2012 under the auspices of the UN Secretary-General. SDSN mobilizes global scientific and technological expertise to promote practical solutions for sustainable development, including the implementation of the Sustainable Development Goals (SDGs)...

**The Greek National Node of the ESFRI European RI ELIXIR**  
Creation Date: 01-03-2018  
ELIXIR-GR enhances the potential of the Greek bioinformatics community to offer open, easily accessible and state-of-the-art services to the Greek and the international academic community and other stakeholders, such as industry and the health sector. More importantly, by providing these services, the infrastructure facilitates discoveries in the...

**Transport Research**  
Creation Date: 14-10-2019  
Welcome to the Open Research Gateway for Transport Research. This gateway is part of the TOPOS Observatory (https://www.topos-observatory.eu). The TOPOS aims to showcase the status and progress of open science uptake in transport research. It focuses on promoting territorial and cross-border cooperation and contributing in the...

**Welcome to EnerMaps Gateway! Find the latest scientific data.**  
Creation Date: 08-06-2020  
EnerMaps Open Data Management Tool aims to improve data management and accessibility in the field of energy research for the renewable energy industry. EnerMaps' tool accelerates and facilitates the energy transition offering a qualitative and user-friendly digital platform...

**Science and Innovation Policy Studies**  
Creation Date: 30-01-2020  
The scope of this community is to provide access to research products that are relevant for studies in science and innovation policy



**Apply for your community gateway on**  
**<https://connect.openaire.eu/get-started>**  
**Free until June 2023**

THANKS

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