



Data management in European research - from a humanist's perspective



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EOSC: from vision to reality.



Source: screenshot [from this YouTube video](#).

EOSC: from vision to reality.



"As I see it, European success now lies in sharing as soon as possible, (...). The days of open science have arrived."
Speech by Commissioner Carlos Moedas in "Presidency Conference Open Science", Amsterdam, April 4th, 2016

Source: screenshot [from this YouTube video](#).

„Our scientists are already beginning to do this. We are creating the European Open Science Cloud. It is a trusted place for researchers to store data and access data from researchers from other disciplines. We are creating a web of information leading to a web of research inside.“ Ursula von der Leyen, World Economic Forum in Davos, 22 Jan. 2020.



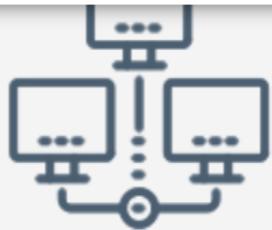
22 Jan 2020

EC President Ursula von der Leyen talks EOSC in Davos

Source: <https://www.eoscportal.eu>



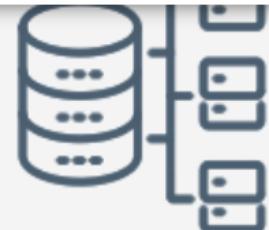
About Services & Resources Policy EOSC in Practice Media For providers



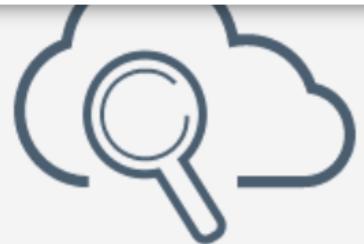
NETWORKING



COMPUTE



STORAGE



SHARING & DISCOVERY



DATA MANAGEMENT



PROCESSING & ANALYSIS



SECURITY & OPERATIONS



TRAINING & SUPPORT



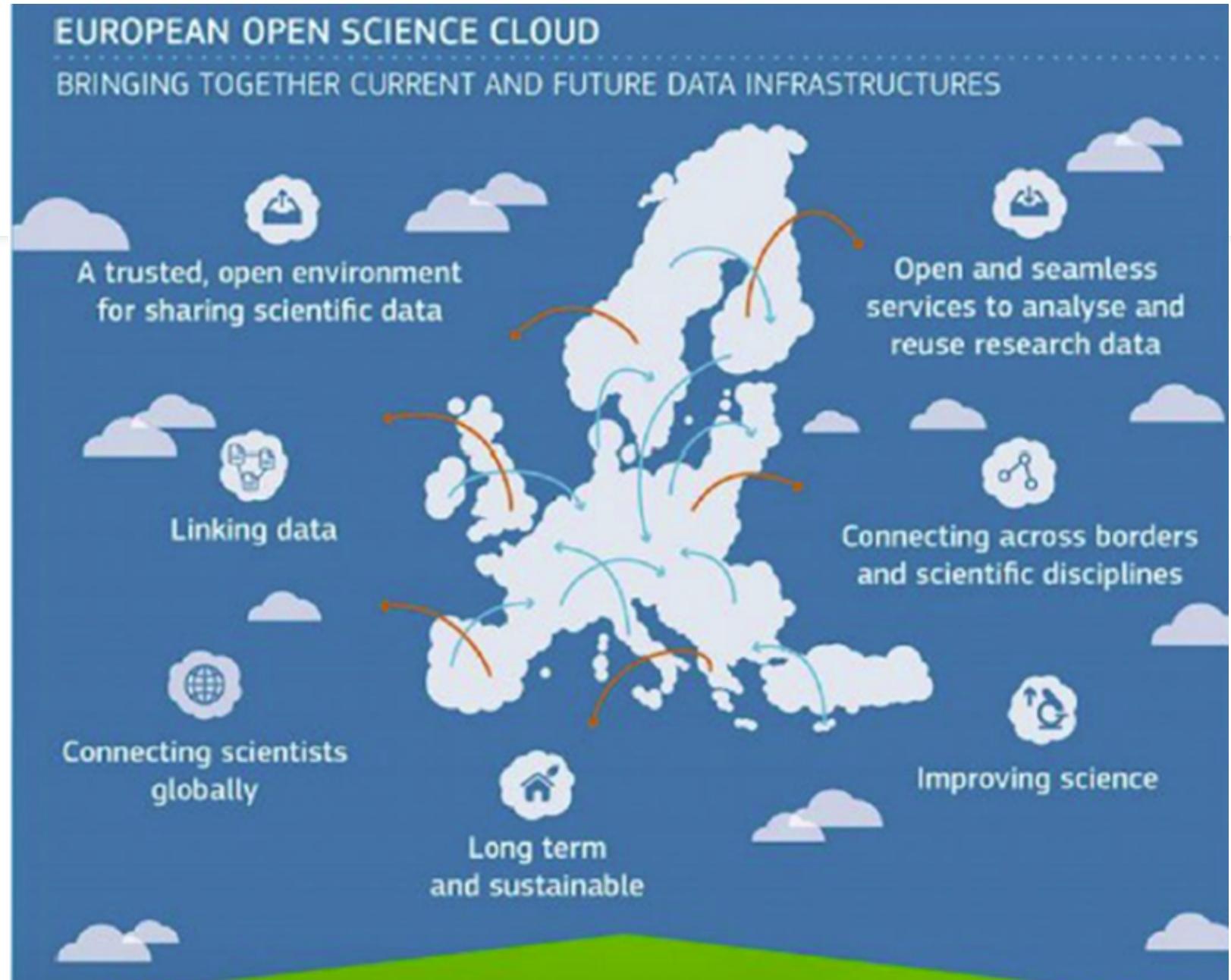
EUROPEAN OPEN
SCIENCE CLOUD

eosc-portal.eu

See also:

[TOP 10 FAIR Data Things: EOSC](#)

[Intro. To the EOSC in the Open
Science MOOC by J.C. Burgelman](#)



The EOSC Implementation Roadmap

Architecture

Architecture of the federated infrastructures as the solution to the current fragmentation in research data infrastructures which are insufficiently interoperable.



Data

FAIR data management and tools. A common data language to ensure data stewardship across borders/disciplines based on FAIR principles.



Services

Available services from a user perspective. A rich environment offering a wide range of services covering the needs of the users.



Access & Interface

Mechanisms/interfaces for accessing EOSC. A simple way for dealing with open data obligations or accessing research data across different disciplines.



Rules

Rules of participation for different EOSC actors. An opportunity to comply with existing legal and technical frameworks and increase legal certainty & trust.



Governance

Governance of the EOSC, aiming at ensuring EU leadership in data-driven science but requiring new governance frameworks.

EOSC Executive Board



Key pillars of promoting the sharing culture across Europe



Policy



Catriona M@ccallum @catmacOA · Feb 13

From 2021, the EC will likely mandate borne OA and Open Data by default - Research Data Management will also be part of grant evaluations. How #openscience gets evaluated will also be evaluated itself Kostas Glinos on yet more progressive measures by @EU_Commission #whefevents

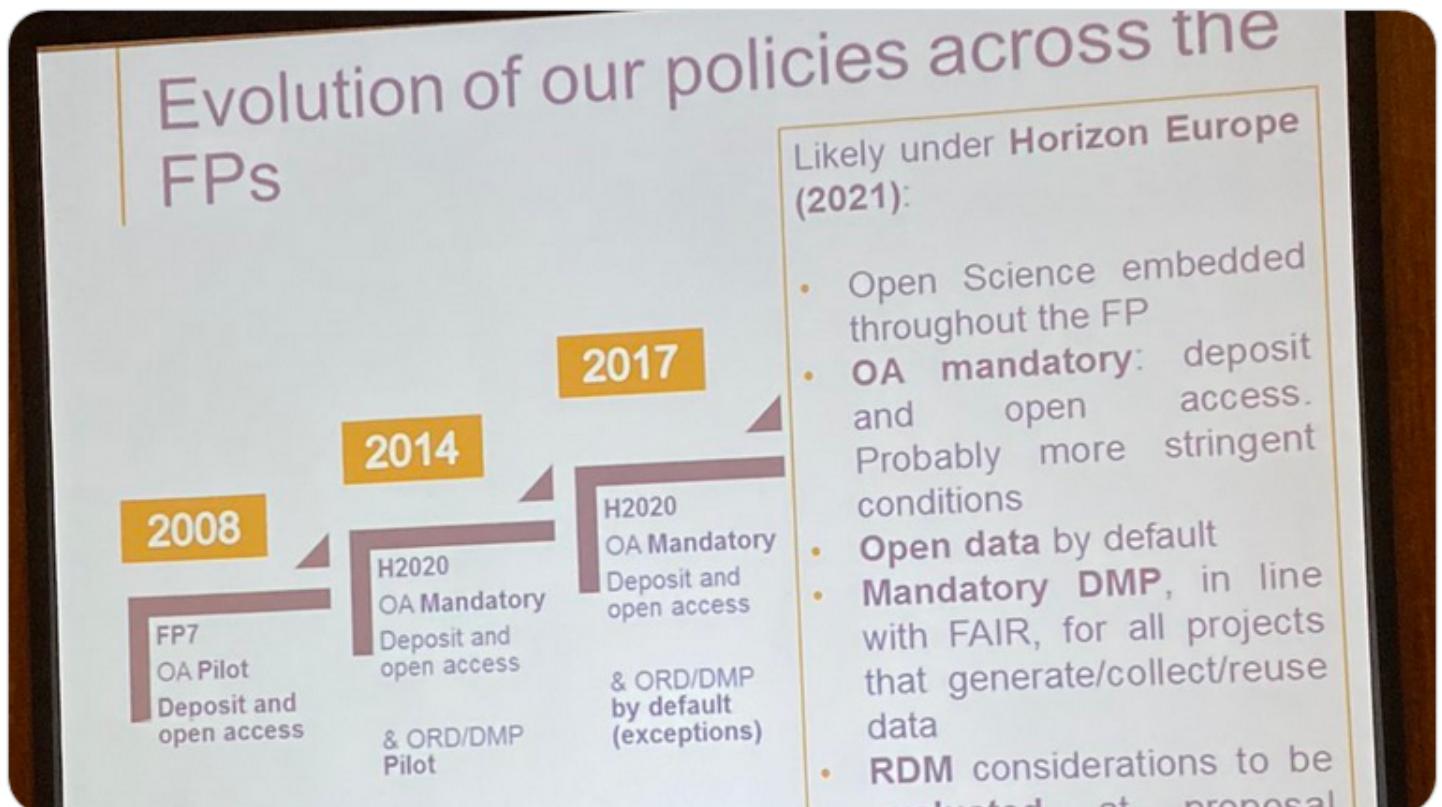


Image source: screenshot of [this tweet](#).

Infrastructure

Data repository solutions that are inclusive with all disciplines:

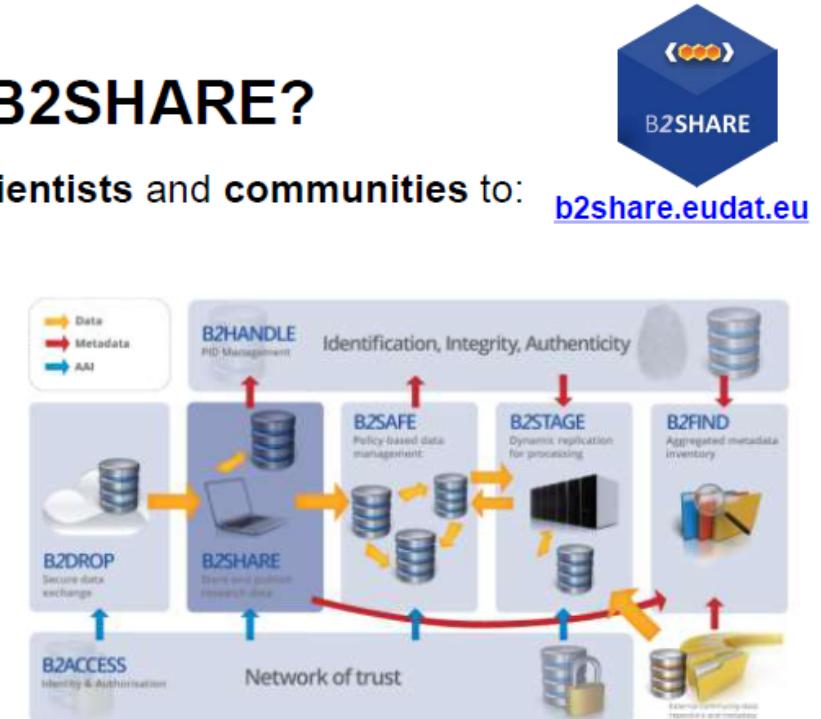
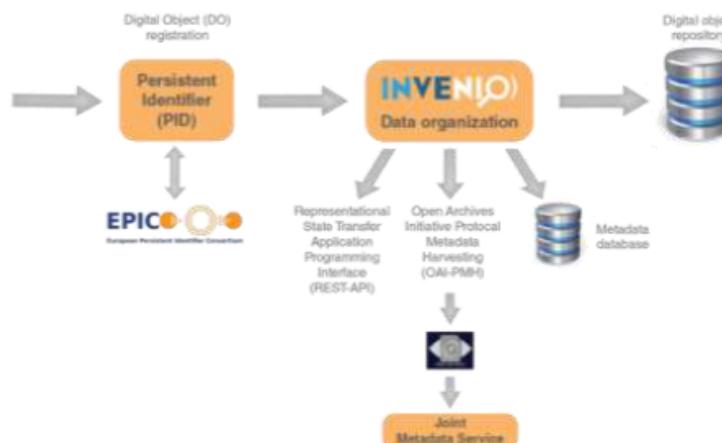
(Source: [EUDAT B2SHARE: EUDAT's repository service](#))



What is B2SHARE?

A winning solution for **researchers, scientists and communities** to: b2share.eudat.eu

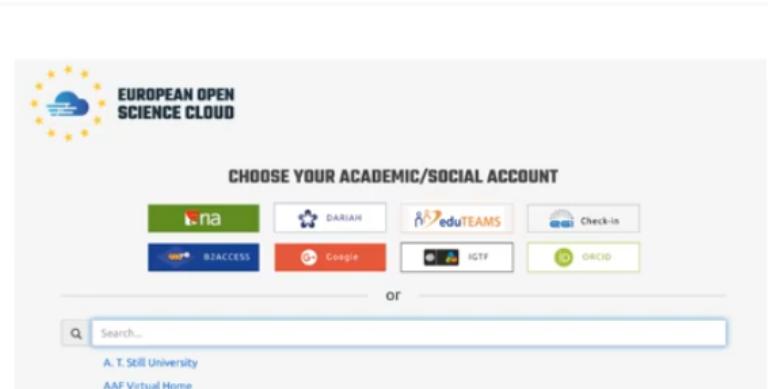
- ◆ **Store data safely** at a trusted and certified data centre
- ◆ **Register data** to guarantee long-term persistence
- ◆ **Publish data** with metadata annotation
- ◆ **Control access and share data** with colleagues and the world



Features

- ◆ Metadata management
- ◆ Persistent identifiers
- ◆ Open Access support

From language data to insight: the CLARIN use case



The screenshot shows the European Open Science Cloud login interface. At the top, there's a logo of a cloud with yellow stars and the text "EUROPEAN OPEN SCIENCE CLOUD". Below it, a section titled "CHOOSE YOUR ACADEMIC/SOCIAL ACCOUNT" displays several buttons for different services: Ena, Dariah, eduTEAMS, Check-in, B2ACCESS, Google, IGTF, and ORCID. Below these buttons is a search bar with the placeholder "Search...". Underneath the search bar, a list of institutions is provided: A. T. Still University, AAF Virtual Home, AAU@EduHr Single Sign-On Service, Aalborg University, Aalto University, and Aarhus School of Marine and Technical Engineering. At the bottom of the page, there's a footer with the EOSC logo, copyright information ("Copyright 2018 - All rights reserved"), and a "Privacy Policy" link.

FEDERATED LOGIN CAN BE USED

From language data to insight: the CLARIN use case

369 views • Nov 23, 2018

1  0  SHARE  SAVE ...

Repository finder services

 **EUROPEAN OPEN SCIENCE CLOUD CATALOGUE**

CONSULTING
[OpenMinTeD Consulting on Licences for TDM](#)
SHAPE

DATA
[Access to Open Data platforms](#)
AMNESIA
[Aquaculture Atlas Generation Spatial Data Catalog](#)
[Aquaculture Atlas Spatial Data Repository](#)
[Aquaculture Farming](#)

ARGOS
B2DROP
B2FIND
B2HANDLE
B2SAFE
B2SHARE
B2STAGE
[Biodiversity](#)
[BiOnym](#)
[DataONE Spatial Data Catalog](#)

About **Governance** **Services & Resources**

[EGI Application Store](#)
[EGI ISO 27001 Training](#)
[EGI Notebook](#)
[Elastic Cloud Compute Cluster \(EC3\)](#)
[Embassy Cloud](#)
[ENES Climate Analytics Service](#)
[EODC Data Catalogue Service](#)
[EODC JupyterHub for global Copernicus data](#)
[European Galaxy Server](#)
[Europeana APIs](#)
[FGSF R Studio](#)
[GEO DAB](#)
[GEOSS Web Portal](#)
[GEP - EO Services for Earthquake Response and Landslides Analysis](#)
[GEP - High-Resolution Change Monitoring for the Alpine Region](#)
[Identifiers.org](#)
[INDIGO Identity and Access Management \(IAM\)](#)

<https://catalogue.eosc-portal.eu/browseCategories>


re3data.org
REGISTRY OF RESEARCH DATA REPOSITORIES

 **Search**

[About this service](#) [Suggest](#)

Data Deposit Recommendation Service
for humanities researchers

Find a suitable [digital repository](#) to deposit your research data or to include in your data management plan by answering the questions below

In which country are you based as a researcher?
 

What is your disciplinary field?
 

[Clear selection](#)

<https://ddrs-dev.dariah.eu/ddrs/>



EOSC for research domains: connecting Research Infrastructures to the EOSC



In addition to the national/geographical level of integration, the disciplinary angles are just as important. An example:





Partners: 44

(19 beneficiaries + 25 LTPs)

SSH ESFRI Landmarks and Projects
& international SSH data infrastructures



Objectives:

- creating the social sciences and humanities (**SSH**) part of European Open Science Cloud (**EOSC**)
- maximising **re-use** through **Open Science** and **FAIR** principles (standards, common catalogue, access control, semantic techniques, training)
- interconnecting existing and new infrastructures (clustered cloud infrastructure)
- establishing appropriate **governance model** for SSH-EOSC



Horizon 2020
European Union Funding
for Research & Innovation

Type of action & funding:
Research and Innovation action
(INFRAEOSC-04-2018)

Project website:
www.SSHopencloud.eu

With thanks to Laure Barbot for this slide.

Expected impact



The Social Sciences and Humanities are seamlessly integrated in the European Open Science Cloud



Availability of an EU-wide, easy-to-use SSH Open Marketplace, where tools and data are openly accessible



EU-wide availability of high quality "cloud ready" SSH tools and high quality SSH data



EU-wide availability of trusted and secure access mechanisms for SSH data, conforming to EU legal requirements



State of the art Research Infrastructure in several pilot domains advanced through dedicated SSH data pilots cluster projects

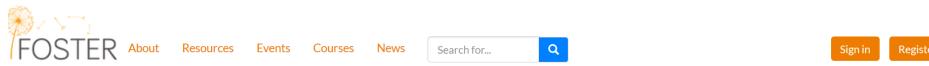


Maximising reuse through Open Science and FAIR principles (standards, common catalogue, access control, semantic techniques, training)

With thanks to Laure Barbot for this slide.

Training and advocacy

Training and advocacy



The FOSTER website features a blue header bar with the FOSTER logo on the left. To the right are links for 'About', 'Resources', 'Events', 'Courses', 'News', a search bar with placeholder 'Search for...', and orange 'Sign in' and 'Register' buttons.

Courses

Are you interested in proposing new courses? Get in touch with us at elearning@fosteropenscience.eu and take a look at our course on "[how to create a course](#)".



Introduction to Responsible Research & Innovation

This introductory course will help you to understand what Responsible Research & Innovation (RRI) means, where it has come from, and why it can introduce an important and beneficial shift in...

Use Open Data in Teaching

In higher education and research, the topics of open science and research data management have gained interest. This module stimulates the use of open research data in teaching, thus f...

Open Science basics for KU Leuven library staff Moderated

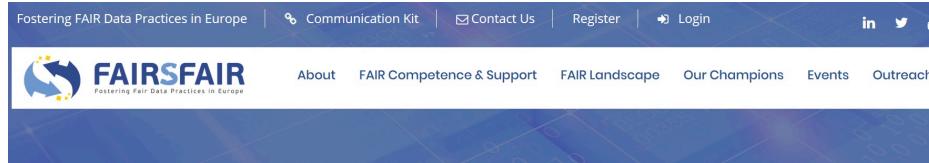
In this course for library staff at KU Leuven, participants will be introduced to the basics of Open Science.

After completion of the course, participants ...

Assessing the FAIRness of Data

In this course you'll learn how to go about assessing the FAIRness of research data using freely accessible tools and resources. This course will:

- introduce you ...



The FAIRsFAIR website has a dark blue header bar with the FAIRsFAIR logo on the left. To the right are links for 'About', 'FAIR Competence & Support', 'FAIR Landscape', 'Our Champions', 'Events', and 'Outreach'. Social media icons for LinkedIn, Twitter, and YouTube are also present.

Webinars

[Home / Webinars](#)

A series of webinars for information, training and support: free of cost and open to all



The OpenAIRE website features a blue header bar with the OpenAIRE logo on the left. To the right are links for 'SERVICES', 'SUPPORT', 'OPEN SCIENCE IN EUROPE', 'ABOUT', a search icon, and 'SIGN IN'.

Research data management training materials



Supporting and facilitating your research data management

Looking for training materials on research data management? Check out the [EUDAT training programme](#) and [Research data management open training materials collection](#) curated by Laura Molloy on [Zenodo](#).

EUDAT

EUDAT training programme: The EUDAT collaborative data infrastructure is a European e-infrastructure of integrated data services and resources to support the full research data life cycle, covering both access and deposit, from informal data sharing to long-term archiving, and addressing identification, discoverability and computability of both long-tail and big data. The EUDAT training programme helps research communities, individual researchers and scientists, as well as system administrators, infrastructures and data centers, to fully exploit these services and understand how to benefit from them. The training includes [workshops](#) and online materials for self-study, which range from [slide decks](#) to [eTraining materials](#) on [GitHub](#). Webinars are another popular channel, and EUDAT is very pleased to continue the series of [joint OpenAIRE-EUDAT webinars](#) that we started last year. Interested in a EUDAT workshop for your research community? Contact [EUDAT](#) to find out more.



GO FAIR at the Open Science FAIR

"CO-OPERAS"
Implementation Network
wins best poster during the EOSC-hub Week 2019

POSTED ON 23 APRIL 2019

Congratulations to Elena Giglia, Head of the Open Access Office at the...

[READ MORE](#)

Data management advocacy at DARIAH

- Beyond and above FAIR
- Addressing disciplinary needs
- Critical assessment of the landscape: what is missing?
- Being responsive to EU data policies
- The Heritage Data Reuse Charter
- DARIAH Research Data Management WG

DARIAH Pathfinder to Data Management Best Practices in the Humanities

Written by Erzsébet Tóth-Czifra
May, 03 2019

Source: DARIAH Pathfinders, DARIAH
Topics: Data management



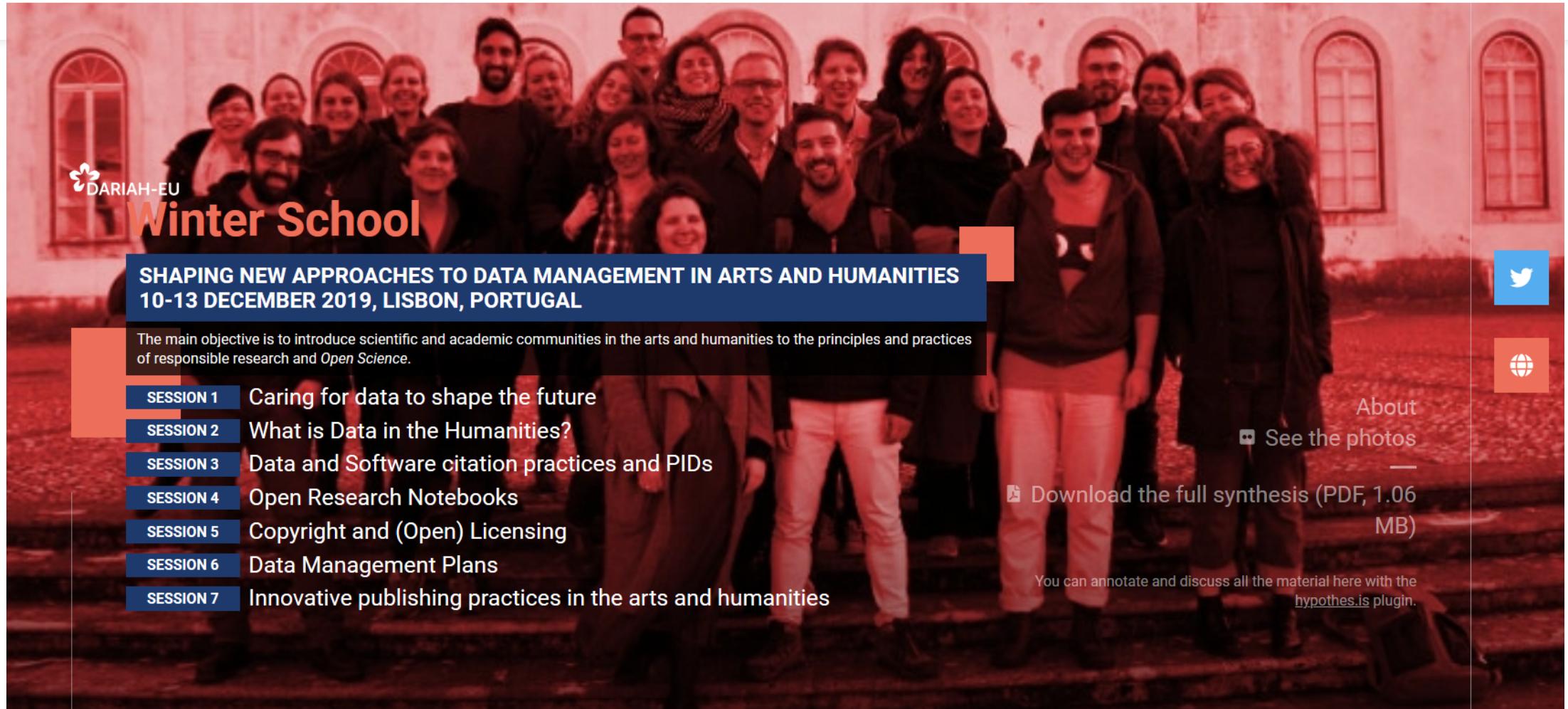
1. Why research data management?

Systematically planning how you will collect, document, organize, manage, share and preserve your data has many benefits. It helps to build a common framework of understanding with your

TABLE OF CONTENTS

1. Why research data management?
2. Data in the Humanities
3. The devil is in the context: a processual view on data curation
4. Sharing your data
 - 4.1. Cite to be cited!
 - 4.2. Be aware of your licensing options
 - 4.3. A case study: different levels of being an open scholar
5. A recipe for your research project: the Data Management Plan
6. Data in publications and data as publications

Shaping new approaches to data management in arts and humanities

A group photograph of approximately 25 people, mostly young adults, standing in two rows outdoors. They are dressed in casual attire, with some wearing jackets and scarves. The background shows a building with arched windows and a stone wall.

DARIAH-EU

Winter School

SHAPING NEW APPROACHES TO DATA MANAGEMENT IN ARTS AND HUMANITIES
10-13 DECEMBER 2019, LISBON, PORTUGAL

The main objective is to introduce scientific and academic communities in the arts and humanities to the principles and practices of responsible research and *Open Science*.

SESSION 1 Caring for data to shape the future
SESSION 2 What is Data in the Humanities?
SESSION 3 Data and Software citation practices and PIDs
SESSION 4 Open Research Notebooks
SESSION 5 Copyright and (Open) Licensing
SESSION 6 Data Management Plans
SESSION 7 Innovative publishing practices in the arts and humanities

About

See the photos

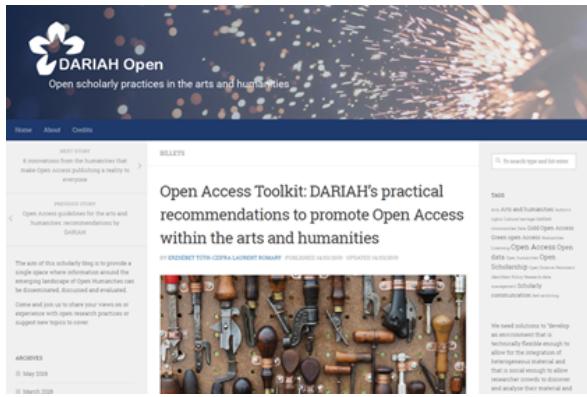
Download the full synthesis (PDF, 1.06 MB)

You can annotate and discuss all the material here with the [hypothes.is](#) plugin.

[Twitter icon](#)

[Globe icon](#)

Ready, set, explore, reuse!



Dariah Open blog
<https://openmethods.dariah.eu/>

A screenshot of the Dariah Campus homepage. The header features the Dariah-Campus logo and navigation links for Resources, Topics, Sources, Course Registry, and About. Below the header is a large search bar with a magnifying glass icon. A blue icon of a person sitting at a desk with a computer monitor is centered above the text "Looking for learning resources?". The text explains that Dariah-Campus is a discovery framework and hosting platform for Dariah learning resources, currently in beta. There's also a "Browse content" section with a "Search..." input field.

Dariah Campus
<https://campus.dariah.eu/>

A screenshot of the Standardization Survival Kit (SSK) homepage. The header features the SSK logo and navigation links for HOME, EXPLORE, CONTRIBUTE, LEARN MORE, and PARTHENOS. There's also a "Log in" button and a language switcher. The main content area has a teal header with the text "Standardization Survival Kit". Below the header, there are three buttons: "Browse scenarios", "Add a new scenario", and "About the SSK". To the left, there's a brief description of the SSK as a collection of research use case scenarios illustrating best practices in Digital Humanities and Heritage research.

The Standardization Survival Kit
<http://ssk.huma-num.fr/#/>