



Open Science Training Coordinators

Community of Practice

www.openaire.eu/cop-training

RDM Training & Support catalogue landscape

Open Science FAIR, 21 September 2021, 9.30-11.00 CEST

For introductions we will use menti later, you can already go to the correct location for it: www.menti.com for voting code: **5066 1882**

...sharing, collaborating, contributing, coordinating




Open Science Training Coordinators Community of Practice


www.openaire.eu/cop-training

Owned and driven by members...

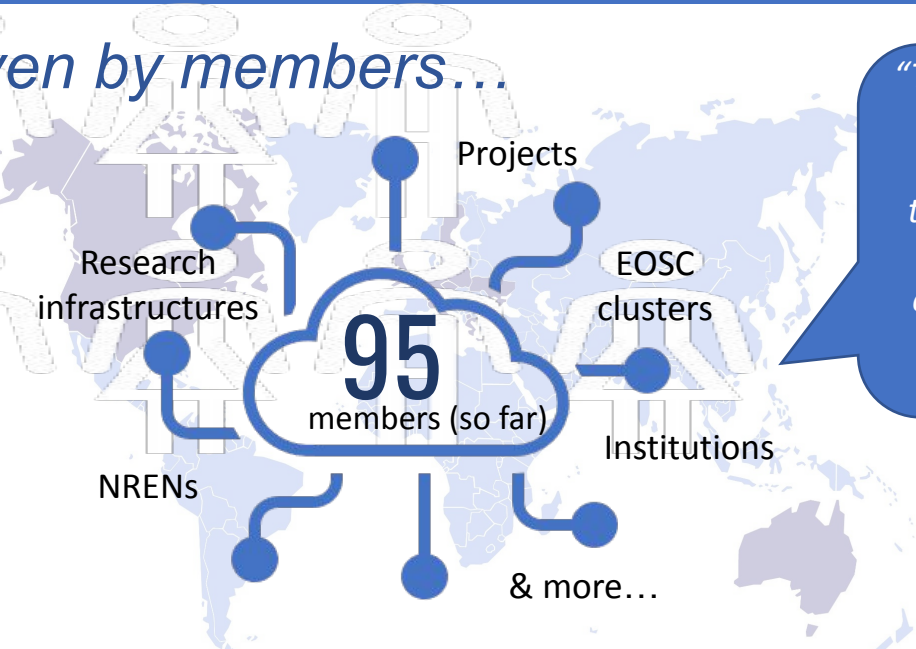
Set up in
2018



Slack channel



Google Group



"The CoP can be regarded as a discipline transcending network of trainers and training organisers. We have built a community. We are exchanging information and best practices."
CoP member, 2020

 **33** monthly meetings **71** pages of notes! **7** events

20+
countries



Open Science Training Coordinators Community of Practice

www.openaire.eu/cop-training

GDPR and training

★★★★★
0.0/5 rating (0 votes)

How to organize GDPR compliant online events

SHARE

Date(s): 28 October 2020

The OpenAIRE Community webinar and collaboration

Prodromos Tsiavos from OpenAIRE provided information about the Consent Information Model (CIM) and how to make sure that your event (registration, how to inform correctly)

Blog post

zenodo

April 3, 2020

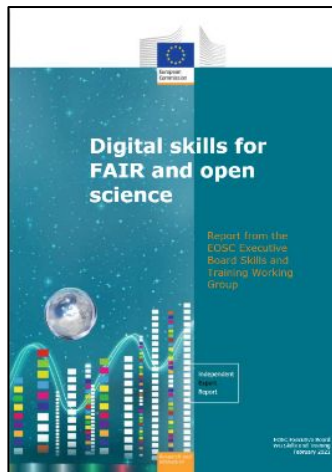
Workshop report "Training in the EOSC"

Marjan Grootveld, Ellen Leenarts, Ilona von Stein, Cees Hof, Giuseppe La Rocca, Iryna Kuchma, Pedro Principe, Alexei Beltserskovsky, Rene Belsa, Thibaud Gayla, Helen Clare, Gerard Coen, Ingrid Dilic, Ilaria Fava, Vincent Favre-Nicolini, Sonja Filiposka, Owen Franck, Celia van Gelder, Felix van Gelderen, Lowri Harris, Maggie Hellstrom, Frans Huigen, Vaaso Kalatzi, Mateusz Kuziak, Frances Maider, Ivan Martin Hernandez, Inna Mikhalikova, Marcin Plocieniak, Pabli Rausser, Eloy Rodriguez, Hugh Shanahan, Erastse Tati-Czifra, Irena Vrpavec, Bvac, Angus Whyne, Tatiana Yankelovich, Katerina Zourou

This document "TrainingInTheEOSC_WorkshopReport_D1_00.pdf" is the output of a three-day workshop on Training in the EOSC, 26-28 February 2020, The Hague, The Netherlands. The workshop was organised by DANS in collaboration with EUDAT, EGI and OpenAIRE. It provides recommendations regarding Rules of Participation for training as well as recommendations regarding practical guidance for training service providers.

As an additional workshop output the file

Workshop report & recommendations



EOSC Skills & Training WG Report

EOSC Skills & Training WG Recommendations - Training Coordinators CoP mapping to existing activities			
Recommendation	Theme	Activity	Activity
1. Utilise the Framework of Actors in the EOSC Ecosystem in the development of initiatives, skills, training, reward and recognition frameworks and career paths necessary to support further development and mainstreaming of FAIR and open science.	Utilise Framework of Actors	EOSC Association - Task Force Data stewardship curricula and career paths	EOSC Association - Task Force Research careers, recognition and credit
2. Coordinate and align relevant skills curricula and training frameworks by generating a consensus on a core European higher education curriculum to deliver FAIR and open science skills at university level.	Coordination and alignment of curricula	EOSC Future - Task 9.1.2 Cross-domain EOSC Training alignment and EOSC wide training infrastructure (EOSC focus only)	FAIRsFAIR - WP6 FAIR competences
3. Encourage and support the competence centres approach as a framework for increasing coordinated provision of aligned training to support FAIR and open science.	Competence centres	FAIRsFAIR - WP6 Competence Centre and WP7 FAIR data science curricula and professionalisation	EOSC Association - Task Force Upskilling countries to engage in EOSC
4. Facilitate increased integration of FAIR and open science courses with university qualifications	Integration of FAIR & OS into curricula / qualifications	EOSC Synergy - WP6 Task 6.3 Embedding training resources in national education programmes	FAIRsFAIR - WP7 FAIR data science curricula and professionalisation

Mapping member activities to EOSC report recommendations

...sharing, collaborating, contributing, coordinating



Workshop programme

9.30 - 9.40 Welcome by the CoP by Iryna Kuchma, EIFL

9.40 - 10.00 Updates and introductions (Ellen will manage the clock):

- RDA IG ETHRD minimal metadata learning resources focus group by Elizabeth Newbold, STFC
- Terms4FAIRskills by Laura Molloy, CODATA and Allyson Lister, University of Oxford
- Two minute madness on catalogues:
 - EOSC Pillar by Paula Oset Garcia, Ghent University
 - SSHOC Training Discovery Toolkit by Ellen Leenarts, DANS
 - Dariah Campus by Vicky Garnett, DARIAH
 - ELIXIR Training Portal TeSS by Celia van Gelder, DTL/ELIXIR-NL
 - EOSC Future by Lucia Vaira, LifeWatch ERIC

10.00 - 10.55 Challenges and discussions:

- Controlled vocabularies
- Curation process
- Sustainability

Collaborative notes: <https://bit.ly/3hxWNX3>



Mentimeter

- <https://www.menti.com/qztcq9bwbk> or
- www.menti.com and voting code: **5066 1882**





RDA IG ETHRD (Education and Training on handling of research data)

Focus group: Minimal Metadata Enabling Discovery & Findability of Learning Resources

To join the group or for further information see the RDA website:

<https://www.rd-alliance.org/groups/education-and-training-handling-research-data.html>



Challenge the focus group addresses



When looking to learn or upgrade research data skills, what's the best way to discover learning resources that help you do that?

- What are the most important descriptors that you can use to find appropriate learning resources – as a **learner**? -- as a **trainer**? as a **service / infrastructure provider**?
- Can you count on using similar descriptors for learning resources when searching places where they are collected (catalogues, registries, training portals)?

Goals:

- Identify a **minimal set of metadata** descriptors that can be recommended as:
 - Important for resource users from different learning sectors (both formal and informal) and from different perspectives
 - A core set that can adopted by learning resource creators and service providers
- Help to reduce duplication & identify gaps among existing & prospective learning resource service providers



Developing the minimal metadata set

- Initial mapping across different schemas generates a master list of metadata
- Development of user stories: Learners, Trainers, Service Providers, Developers, Funders
- Metadata assessed for relevance to support the user stories
- Community engagement and feedback via RDA Plenaries
- Resulting in a set of 14 elements

Title - The human readable name of the resource.

Abstract / Description - A brief synopsis about or description of the learning resource.

Author(s) - Name of entity(ies) authoring the resource.

Primary Language - Language in which the resource was originally published or made available.

Keyword(s) - Keywords or tags used to describe the resource.

License - A license document that applies to this content, typically indicated by URL

Version Date - Version date for the most recently published or broadcast resource.

URL to Resource - URL that resolves to the learning resource or to a "landing page" for the resource that contains important contextual information including the direct resolvable link to the resource, if applicable. Should be a PID, if possible.

Resource URL Type - Controlled vocabulary designating the persistent identifier schemes used for the resource, e.g., DOI, ARK, Handle.

Target Group (Audience) - Principal users(s) for which the resource was designed.

Learning Resource Type - The predominant type or kind that characterizes the learning resource.

Learning Outcome - Descriptions of what knowledge, skills or abilities a learner should acquire on completion of the resource.

Access Cost - Access cost: Choice stating whether or not there is a fee for use of the resource (CV = Y/N/Maybe with recommendation that further explanation of "Maybe" goes in the Description field for "It depends" or "It changes" explanations).

Expertise (Skill) Level - Target skill level in the topic being taught; example values include: beginner, intermediate, advanced.



terms4FAIRskills

Info: <https://terms4fairskills.github.io/>

Contact: terms4fairskills@codata.org

Dr Laura Molloy, CODATA

laura@codata.org

Dr Allyson Lister, FAIRsharing

allyson.lister@oerc.ox.ac.uk / contact@fairsharing.org

On behalf of the terms4FAIRskills community

Open Science Forum, 21 Sep 2021

CC BY-SA 4.0, <https://creativecommons.org/licenses/by-sa/4.0/>

The screenshot displays the 'learning medium' ontology page. The left sidebar shows a class hierarchy starting from 'owl:Thing' and including categories like 'data stewardship activity', 'data stewardship soft skill', 'data stewardship technical concept', and 'role'. The 'learning medium' class is highlighted. The main panel shows the 'learning medium' class with its annotations, including 'rdfs:label', 'definition', 'Created by', 'Creation date', 'Description', 'Equivalent To', 'SubClass Of', and 'Instances'. The 'Description' field contains the text: 'The medium through which learning has been provided. For example, through a course, slides, video presentation, online documentation, wiki pages or others.'

terms4FAIRskills: scope and uses

Training resources for Data Stewards are fragmented. T4FS is a terminology for the *competencies, skills and knowledge* necessary to make data FAIR and to keep it FAIR.

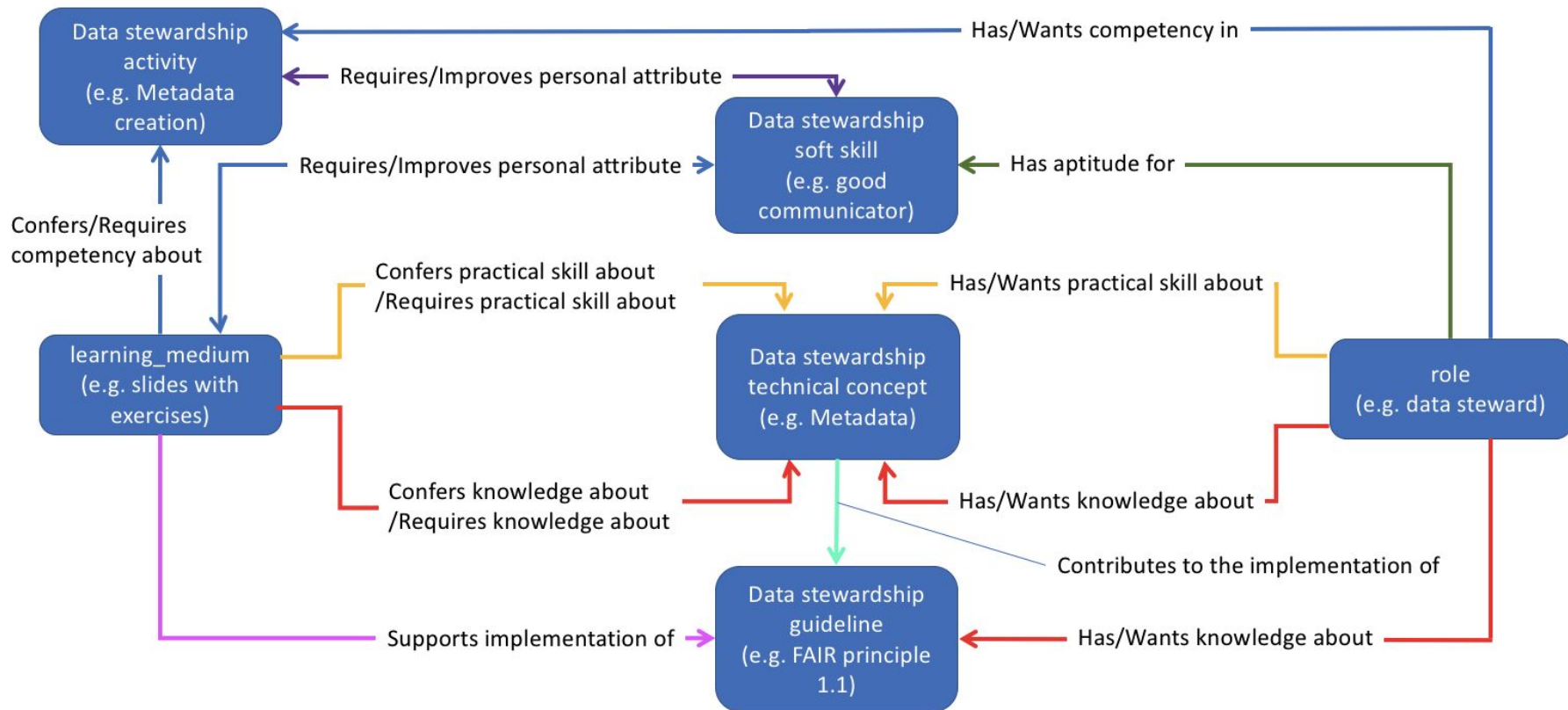
Discovery: facilitate the annotation, search and evaluation of FAIR-enabling materials (e.g. training) and resources

Design: assist the creation and assessment of data stewardship curricula

Training: help trainers who teach FAIR data skills, researchers and others who wish to identify skill gaps in their own skills base / teams

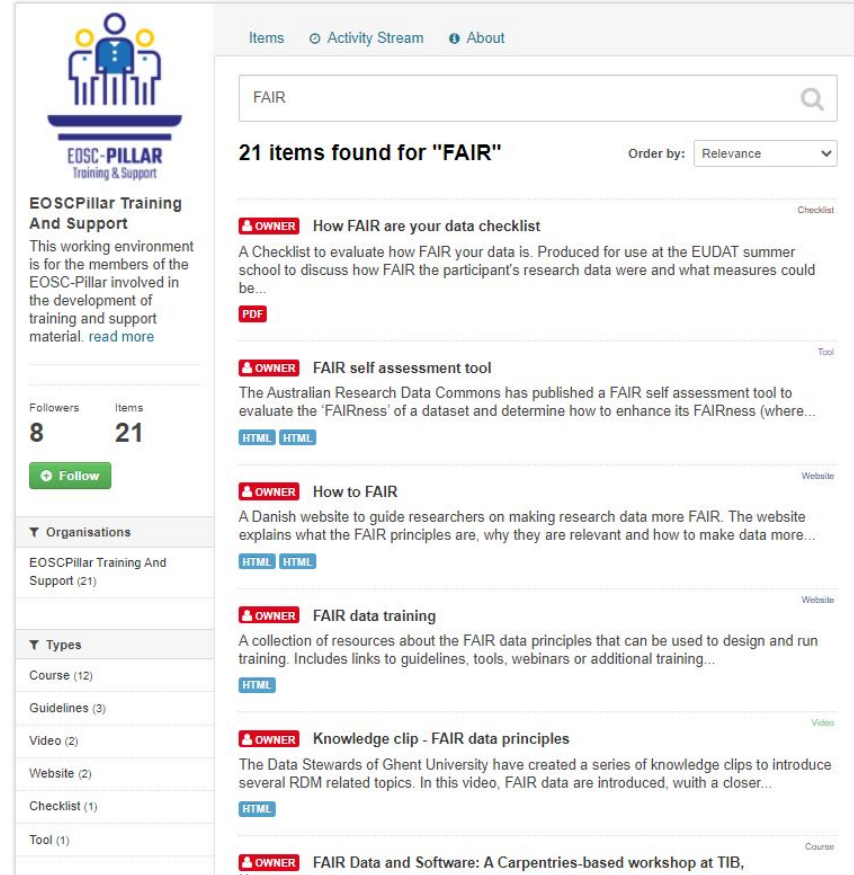
Formalisation: enable the definition of job descriptions and CVs with recognised, structured competencies

terms4FAIRskills: model



EOSC-Pillar

- To curate RDM training and support materials and make them findable
- We are not the producers of the training material
- Based on our work and experiences as new data stewards team:
 - We look for resources & make them visible by publishing metadata + link to original source (several resources / URLs allowed per record)
 - Through feedback of community in EOSC-Pillar and in Flanders
- Both generic & discipline specific materials
- Any stage of research data lifecycle
- Training AND support materials



The screenshot displays the EOSC-Pillar Training & Support community interface. On the left, the organization's logo and name are shown, along with a description of its mission and a 'Follow' button. Below this, a list of categories and their item counts is provided:

Organisations	Types
EOSCPillar Training And Support (21)	Course (12)
	Guidelines (3)
	Video (2)
	Website (2)
	Checklist (1)
	Tool (1)

The main content area shows search results for 'FAIR', with 21 items found. The search bar contains 'FAIR' and the results are ordered by 'Relevance'. The first item is 'How FAIR are your data checklist', a checklist produced for use at the EUDAT summer school. The second item is 'FAIR self assessment tool', a tool published by the Australian Research Data Commons. The third item is 'How to FAIR', a website from Denmark. The fourth item is 'FAIR data training', a collection of resources. The fifth item is 'Knowledge clip - FAIR data principles', a video from Ghent University. The sixth item is 'FAIR Data and Software: A Carpentries-based workshop at TIB'.

SSH Training Discovery Toolkit

The SSH Training Discovery Toolkit provides an inventory of training materials relevant for the Social Sciences and Humanities. Use the search bar to discover materials or browse through the collections. The filters will help you identify your area of interest.

Search entities

Displaying 1 - 35 of 35

Item	Source of item	Title	Description
	Copyright Guide at the University of Sussex	A copyright game of snakes and ladders	The aim of the game, as with the traditional snakes and ladders, is to be the first player to reach the finish square, 100, by moving across
	UK Copyright Literacy	Copyright the Card Game Online	Introduction to copyright law and the relationship between licitices and copyright exceptions. The four 'suits' in the game are: - Copyright works
	DigCurV - Digital Curator Vocational Education Europe Project	CURATE! The Digital Curator Game	The CURATE game is designed to be used as an exercise that prompts players to put themselves into digital project scenarios in order to address issues and challenges that arise when institutions en
	DANS Training	DANS Data Game	DANS has developed a game especially for researchers: the DANS Data Game. The game gives an impression of the research data landscape and was specially produced for the 15th anniversary of DANS.
	IIF - International Image Interoperability Framework	David Rumsey MapTab	A IIF powered, Chrome extension that displays a random map from the David Rumsey Map Collection everytime you open a new tab in your browser. Built using Leaflet-IIF and React.js.
	Erasmus University Rotterdam	Dilemma Game	Like in any profession, scientists are frequently faced with dilemmas. Can I exclude particular observations from my research?
	Open Education Resources	Game jam	A Game jam is an organised event where a group of people gather with the intention of creating a full game - from conception to completion - in a pre-determined, short period of time.
	School of Simulation and Visualisation at The Glasgow School of Art	How to Fail Your PhD	How to Fail Your Research Degree was created to deliver knowledge and understanding of research processes and techniques, within the context of a postgraduate training programme at Glasgow School o

Entity type

- Item (20)
- Source (15)

Collections

- Training Discovery Toolkit (35)

Organisation

- Consejo Superior de Investigaciones Científicas (1)
- Cranfield University Library Services (1)
- Danmarks Tekniske Universitet (1)
- GABRIEL ERIC (1)
- IASA Archiving and networked Services (DANS) (1)
- Digital Preservation Coalition (1)
- Digital Renaissance Foundation (1)
- Erasmus University Rotterdam (1)
- Fundacio Centre de Reglacio Geometrica (1)
- GDS - Learning Institute for the Social Sciences (1)

Intended audience

Show more

- Inventory reusable training materials
- Generic and discipline specific
- Faceted search
- Created in Drupal
- Data model based on SSH marketplace
- Curation by team
- Input and feedback by the Training Community, Train-the-trainer bootcamps

A continuously updated toolkit of easy to find, effective, and (often) ready-to-go training materials sourced and carefully curated by SSH training experts for fellow trainers and the SSH community at large.

The Training Discovery Toolkit is a work in progress and currently offers more than 70 separate items from 40 recognised sources on a multitude of topics.

Resource Types

Educational materials for trainers on didactics

Games to stimulate interaction during training sessions

Multimedia resources to teach researchers about Open Science

How you use it

Type in your search topic

Refine your search

FILTER BY

- Entity type
- Collections
- Intended audience
- Language
- Source of item
- Curated topic
- Discipline
- Format

Select the item

GDPR in Research

First call guidelines, examples and questions to help you design your own course. Includes the Spanish and the German version. (1) Includes whether your data are considered personal or not. Language: English

License: CC BY-NC-ND 4.0

Intended audience: Researchers/Student

Language: English

Source of item: Curated topic

Discipline: Law

Format: PDF

Created tools: Version data management Full data

Last updated: 2020-03-06

Access path: <https://www.erasmus.nl/collections/gdpr-in-research/>

Source of item: UK Data Service Manager Data

Access your Resource

Accessing GDPR in research

1. Log in to your account

2. Go to the collection page

3. Select the item you want to access

4. Click on the item title

5. Click on the 'Access' button

6. The item will be added to your cart

7. Click on the 'Checkout' button

8. The item will be added to your account

STEP 1 STEP 2 STEP 3 STEP 4

Thanks to feedback from users and the SSH Training Community who quality test our resources at Train-the-Trainer Bootcamps, the Training Discovery Toolkit is constantly updated and improved. We also plan to align our metadata model with other training registries, and to integrate the Toolkit into the SSH and EOSC Marketplaces.

Get involved

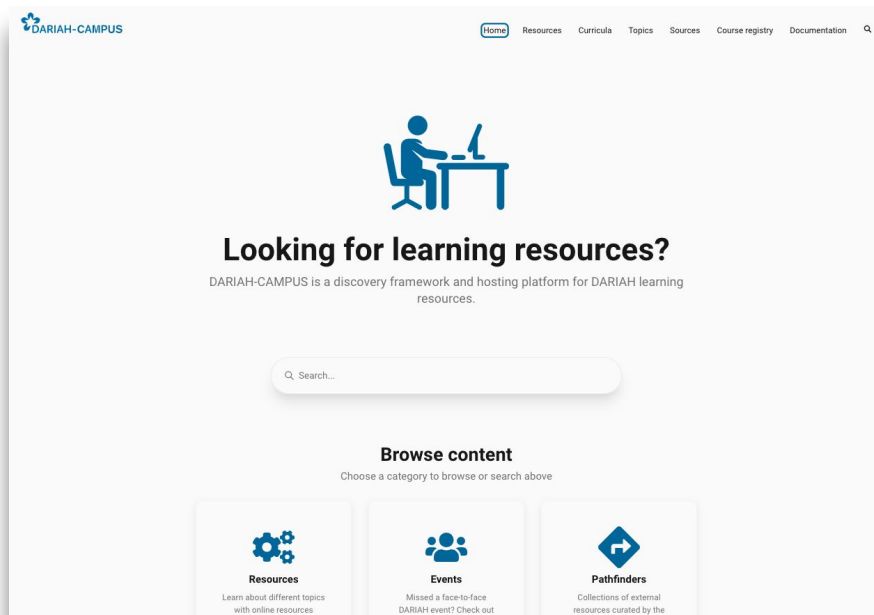


Join our SSH Training Community to engage with other trainers, contribute your materials and build more together!

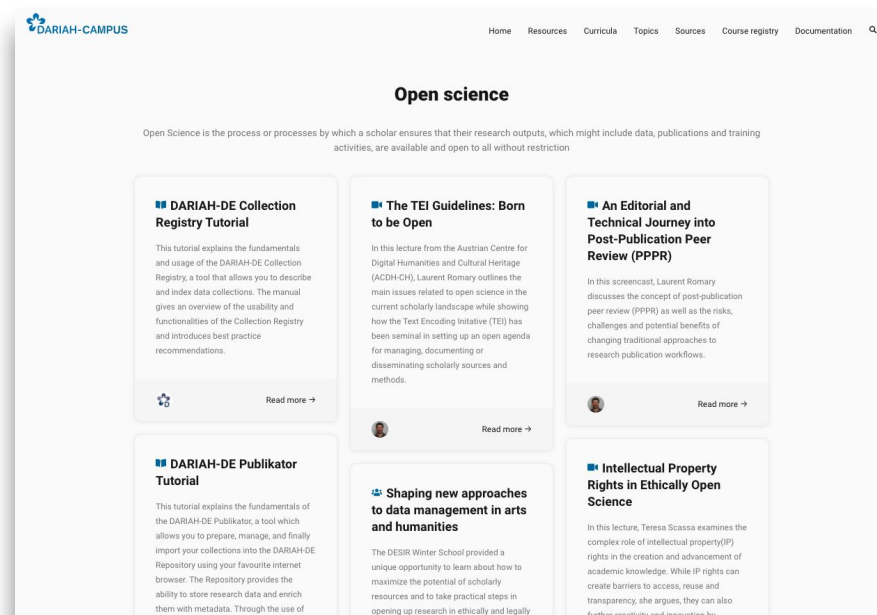
Contact us with your suggestions at <https://forms.gle/RKgwYUcDMg5yhZ36>



DARIAH-Campus (campus.dariah.eu)



The screenshot shows the homepage of the DARIAH-CAMPUS website. At the top left is the logo 'DARIAH-CAMPUS'. The navigation menu includes 'Home', 'Resources', 'Curricula', 'Topics', 'Sources', 'Course registry', and 'Documentation'. The main heading is 'Looking for learning resources?' with a subtext: 'DARIAH-CAMPUS is a discovery framework and hosting platform for DARIAH learning resources.' Below this is a search bar with the placeholder text 'Search...'. A 'Browse content' section follows, with the instruction 'Choose a category to browse or search above'. Three categories are listed: 'Resources' (Learn about different topics with online resources), 'Events' (Missed a face-to-face DARIAH event? Check out), and 'Pathfinders' (Collections of external resources curated by the).



The screenshot shows the 'Open science' page on the DARIAH-CAMPUS website. The page title is 'Open science'. The introductory text states: 'Open Science is the process or processes by which a scholar ensures that their research outputs, which might include data, publications and training activities, are available and open to all without restriction'. The page features six article cards, each with a title, a brief description, and a 'Read more' link. The articles are: 1. 'DARIAH-DE Collection Registry Tutorial' (explains fundamentals and usage of the registry tool), 2. 'The TEI Guidelines: Born to be Open' (lecture by Laurent Romary on TEI and open science), 3. 'An Editorial and Technical Journey into Post-Publication Peer Review (PPPR)' (discusses PPRP concept and benefits), 4. 'DARIAH-DE Publikator Tutorial' (explains the fundamentals of the Publikator tool), 5. 'Shaping new approaches to data management in arts and humanities' (lecture by Teresa Scassa on IP rights), and 6. 'Intellectual Property Rights in Ethically Open Science' (examines the role of IP rights in academic knowledge).

Find out more here: <https://tinyurl.com/DARIAHCampusOpen>

The ELIXIR Training Portal - TeSS



- TeSS is a **registry** to aggregate and disseminate **training events and materials**
 - September 2021: 1519 training materials, 128 upcoming events, > 12000 past events
 - also linked to the ELIXIR RDMKit (<https://rdmkit.elixir-europe.org/>)
- majority scraped automatically
 - via dedicated scrapers and via Bioschemas
- > 70 training content providers (not only ELIXIR Nodes!)
 - ELIXIR Nodes & their institutes, Carpentries, Coursera, Galaxy, PRACE, EMBL-ABR (Australia)
 - Interest in TeSS from EOSCHub, EOSCPilot, EOSC-Life, EJP-RD, Australian Research Data Commons (DreSA Portal will be launched soon!)
 - TeSS / ELIXIR Training aims to become an EOSC Training Provider
- TeSS currently uses EDAM ontology and is in the process of implementing terms4fairskills
 - ELIXIR Training is a terms4fairskills use case

Home / Materials / Research Data Management in Life Sciences

Content provider

VIB BIOINFORMATICS CORE

Provider of Bioinformatics and software training, plus informatics services and resource management support.

Node

elixir BELGIUM

Research Data Management in Life Sciences

<https://osf.io/tpvgv/>

The content provided via this link was used in the training on 9 and 10 November 2020 organized by Ghent University and Elxir Belgium and VIB in collaboration with Interreg Vlaanderen-Nederland: <https://training.vib.be/all-trainings/research-data-management-life-sciences>

Scientific topics: Data management

Resource type: Presentation, Vignette, Video

Target audience: Life Science Researchers

Difficulty level: Beginner

License: Creative Commons Attribution Share-Alike 4.0

Authors: Alexander Botki, Laura Standaert, Tuur Muyldermans, Hanne Elsen, Paula Oseti, Thomas Van de Velde, Flora D'Anna, Nils Paerels, Gert Deil Herder, Jan Lammiertyn

DOI: <https://osf.io/tpvgv>

Related training materials:

- Research Data Management in Life Sciences (ended)

Home / Events / Research Data Management in Life Sciences

Content provider

VIB BIOINFORMATICS CORE

Provider of Bioinformatics and software training, plus informatics services and resource management support.

Node

elixir BELGIUM

Research Data Management in Life Sciences

<https://training.vib.be/product/211>

Organizer: VIB Bioinformatics Core

Start: Monday, 09 November 2020 @ 09:00

End: Tuesday, 10 November 2020 @ 00:00

Description:

Upon completion of this course, participants should have an understanding of what Research Data Management is, and why it is important in academic research. They should have an understanding of the FAIR data principles, and how they can make data more FAIR. They should be able to successfully manage all types of research data and to document both the research itself, as well as the data in a comprehensive way.

Keywords: publish and share data, create preservation documentation, migrate data to best format, create user documentation, establish copyright, cite data sources, manage and store data, describe and document data, capture data with metadata, explore existing data resources, plan consent for sharing, plan data management, design research

Related training materials:

- Reproducible data analysis with RStudio, github and Rmarkdown
- Data security and encryption
- Validation and intellectual properties in research data management
- Preserve, publish and share your data
- Reusing existing data
- FAIRify your data: data documentation and metadata
- Organizing your data: structure and versioning
- Data Management Plans
- Privacy and GDPR in the research life cycle
- Research Data Management: Trends and requirements
- Introduction to Research Data Management and the data life cycle
- Research Data Management in Life Sciences

<https://tess.elixir-europe.org>
<https://elixir-europe.org/>

EOSC Future Training Catalogue

Main goals of WP9 – Training and skills:

- support FAIR sharing and reuse of training resources in EOSC
- build synergies (we don't need to start from scratch and we cannot do this alone) with other projects, clusters, research infrastructures nodes, associations, in order to benefit from other similar initiatives to avoid duplication of effort and focusing on interoperability, service offering, and data provision.



by co-designing and co-creating with the broader community

Target audience - our users can be divided into:

- EOSC Consumers (individual researchers; research communities; citizen scientists; commercial entities like private companies)
- EOSC Providers (infrastructure training managers; trainers)
- EOSC Facilitators (research administrators; research funders and policy makers; librarians)



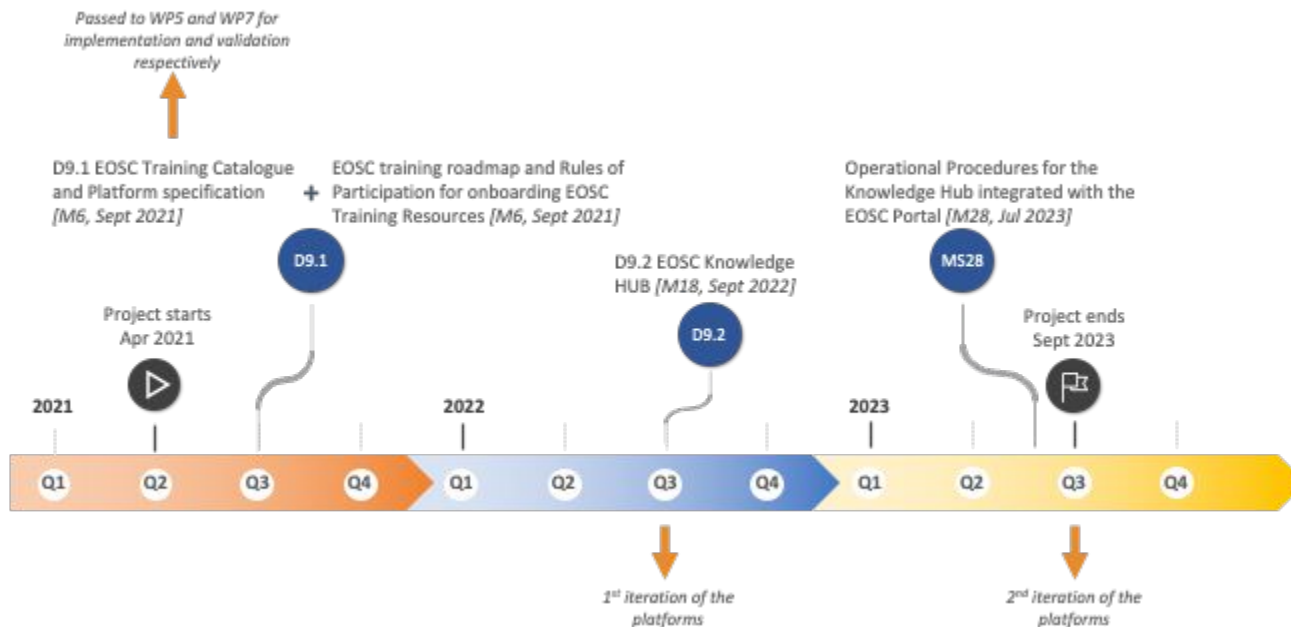
EOSC Future Training Catalogue

Main functionalities of the EOSC Training Catalogue:

- basic and advanced browse and search interface (GUI and APIs);
- display of landing pages for included training resources;
- definition and management of a training resource metadata set (flexibility of the metadata set starting from results of the RDA Minimal Metadata for Learning Resources WG);
- metadata harvesting from other catalogues and external portals;
- manual content creation (for providers that do not have a catalogue);
- review process (community-validated quality criteria for training resources will be defined);
- versioning;
- feedback mechanisms;
- link with the EOSC Training Platform.

EOSC Future Training Catalogue

Timeline



Catalogue challenge: controlled vocabularies

Challenges identified by the Catalogue Providers

- Hard to find/select suitable CVs e.g. resource type, keywords, topics/tags
 - domain specific versus domain-agnostic (Experienced by ELIXIR TeSS)
 - choose proper CVs: Ensure that Catalogue users know where (catalogues) and how (CVs) to search
 - when are new/emerging CVs mature enough to implement
- Lack of community agreement
 - experienced by EOSC-Pillar, SSHOC TDT
 - question: Who gets to decide for a for a specific CV for a specific catalogue?
- For an established catalogue: Adding or changing CV is a challenge
 - Curation and/or mapping needed (Experienced by SSHOC TDT, ELIXIR TeSS)
- Ensure interoperability between your catalogue and the rest of the catalogue ecosystem

Challenge topic: controlled vocabularies

- EOSC-Pillar:
 - FAIR4S Framework: skills group (~ lifecycle stage, less intuitive), target group (-> EOSC actors?)
 - Domain / discipline: re3data.org (-> [FAIRsharing Subjects Ontology](#)? Extends and enhances the re3data.org hierarchy)
 - Other (e.g. ISO for languages and countries)
 - Aim: terms4FAIRskills. Participated in “annotate-a-thon”.
- SSHOC Training Discovery Toolkit:
 - Our catalogue was based on an existing collection, challenge of adding or changing CV once you established the catalogue
 - Curation of lists you introduced yourself can be a burden
- EOSC Future:
 - The catalogue will re-use of RDA WG solutions trying to avoid customised codelists as much as possible and to use common and standardised CVs

Challenge topic: controlled vocabularies

- DARIAH-Campus:
 - EOSC- based categories
 - GitHub-based data files with pre-determined tags
 - Drop-down lists on CMS to control tags applied

- ELIXIR Training Portal TeSS:
 - uses BioSchemas
 - domain/discipline specific & domain agnostic (EDAM & terms4fairskills)
 - challenge: terms4fairskills not complete/finalized yet
 - TeSS aiming to incorporate both since we want to annotate our trainings with both CVs
 - ELIXIR Training is use case for terms4fairskills
 - participated in several terms4fairskills annotatethons
 - held two ELIXIR dedicated mini annotatethons to test suitability of the CVs

Catalogue challenge: data model

- Lack of community agreement, or requirements for EOSC (EOSC-Pillar, SSHOC TDT)
- EOSC-Pillar:
 - CKAN. Metadata profile: common metadata + item specific metadata (field name, field type, mandatory, controlled vocabularies, validation rules...)
 - Interoperable with other systems, e.g. DCAT and OAI-PMH
 - Metadata based on FAIRsFAIR D6.2 Initial Core Competence Centre Structures.
 - Other: report from the EOSC Skills and Training WG, RDA Metadata Standards Catalog WG
- SSHOC Training Discovery Toolkit
 - Challenge of changing the data model once you established the catalogue
 - Guidelines and the work from the RDA-ETHRD were still under development (and is evolving) → How do you remain flexible to adjust to new developments?
 - Not interoperable yet.
- EOSC Future
 - The metadata set of the training resources will be based on the RDA WG and will be flexible to reflect the future developments

Catalogue challenge: Curation process

- No systematic approach (EOSC-Pillar, SSHOC TDT, TeSS), but desired
- Small curation team, limited time (EOSC-Pillar, SSHOC TDT)
- Expertise & bias
 - E.g. (EOSC Pillar): Over-representation of generic or domain-agnostic resources; difficulty to judge quality of discipline specific content.
- Need for curation / quality evaluation criteria: collaborative work?
 - Establish contribution workflows, increase catalogue contributors or size of curation team
- No funding for curation or updating after the end of the project
 - Need for automatic expire date?

Catalogue challenge: Curation process

- ELIXIR Training Portal TeSS
 - TeSS is a registry: Number of materials is huge and from many different providers. Only control about our “own”(ELIXIR) training materials (from 23 countries).
 - No clear process implemented yet but long on wishlist
 - For 2022 funding to work out the process. First step: Curate on a higher level (e.g. Collections (e.g. on a topic, or for a specific Community)).
- DARIAH-Campus
 - Contributions made in first instance via an ‘issue’ form on GitHub
 - Topics organised by use of ‘tags’
 - ‘Sources’ organised into ‘channels’ for multiple resources from single contributors
 - Curricula organised content into courses
 - GitHub provides structure and framework
- EOSC Future:
 - community-validated quality criteria for training resources
 - review process among the functionalities of the catalogue → redactional workflow until the end of the project

Catalogue challenge: sustainability

- EOSC-Pillar:
 - mass export and import possibilities
 - curation after project end
- SSHOC Training Discovery Toolkit
 - no funding for curation or maintenance after the project → responsibility problem: the catalogue is a (EOSC!) project output, who is responsible after?
 - difficult to transfer as new initiatives are also often project-based and have their own targets
 - lack of vision on how catalogues should integrate across projects
- EOSC Future
 - it is built upon the work of previous EOSC projects and EOSC Association (EOSC Sustainability WG) → long-term sustainability
 - community-validated quality criteria for training resources (re-use of RDA solutions in the EOSC context)
 - harvesting from authoritative and validated sources → it allows high autonomy
 - just started → still have 3 years to figure it out and to provide recommendations for sustainability

Catalogue challenge: Sustainability

- ELIXIR Training Portal TeSS
 - TeSS originated as ELIXIR-UK Node Service
 - From 2022 on it will become an ELIXIR Infrastructure Service, (limited) funding by ELIXIR Core Funding
 - Moving to co-development by several Nodes
 - Dividing “technical” task and “training” tasks
- DARIAH-Campus
 - ‘ERIC’ status ensures longevity
 - CHALLENGE - What to do with project resources that become obsolete?
 - DARIAH-Campus Reuse Charter ensures good practice in data management and reuse
 - <https://campus.dariah.eu/docs/reuse-charter>