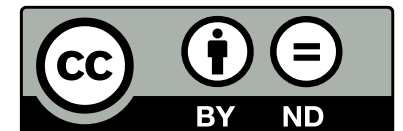




Share your Training Resources on the EOSC Portal

Webinar, 14 September, 14h00 – 15h00 CEST

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





Welcome and Introduction

Shanmugasundaram Venkataraman

Training Officer, OpenAIRE



Agenda

14h – 15h CEST

- **Welcome and Introduction**
 - Participants presentation
 - Housekeeping Rules
- **Presentation of the EOSC Knowledge Hub and Helpdesk**
 - Q&As
- **Training resources onboarding workflow demonstration**
 - Q&As
- **Onboarding via API and Catalogues**
 - Q&As

15h - 16h CEST

- **One-to-one onboarding support (on demand)**



Presentation of the EOOSC Knowledge Hub and Helpdesk

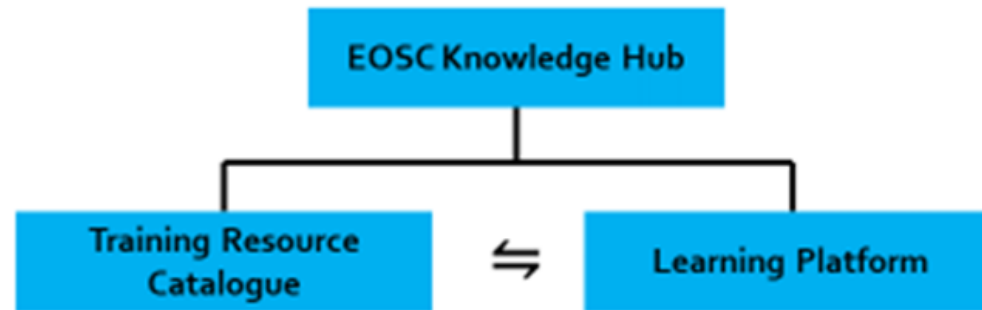
Cosimo Vallo

Training Officer, LifeWatch ERIC



EOSC Knowledge Hub (KH)

The EOSC Knowledge Hub (KH) has two essential components: a training resource catalogue and a learning platform, both intended to support FAIR sharing and reuse of training resources in EOSC.



The EOSC Training Resource Catalogue is a catalogue of training resources pertinent to EOSC, which includes a database, an advanced search interface and landing pages with details for the registered training resources.

The EOSC Learning Platform is a learning management system that hosts training courses, certifications (badges), and a repository populated with openly available training materials.

EOSC KH – Training Resource Catalogue

The Training Resource Catalogue contains the metadata of training resources. It is open to all training resources that fulfil the onboarding procedures and rules of participation of training service providers.

Accessible via EOSC Portal

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

Home Monitoring Status Contact us Login

EUROPEAN OPEN SCIENCE CLOUD

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

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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

- Access Computing and Storage Resource**
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**
Find lessons, courses, videos

More

- [Research Data Management](#)
- [Research Infrastructures](#)
- [Instruments & Equipments](#)
- [Regional & Thematic Projects](#)

Get Inspired

or via the landing page

<https://knowledge-hub.eosc-portal.eu/>

Home Monitoring Status Contact us Login

EUROPEAN OPEN SCIENCE CLOUD

Welcome to the EOSC Knowledge Hub

Platform that helps you gain or expand your knowledge in the field of European Open Science Cloud. Explore our learning platform and find trainings in the provided catalog.

Search in catalogs

Training Resources
Benefit from videos, slides and much more in an open formats

Courses
Get access to learning resources in a range of scientific disciplines.

Learning Paths
Get new skills step-by-step with specially designed learning paths

EUROPEAN OPEN SCIENCE CLOUD

We are the European Open Science Cloud (EOSC), an environment for hosting and processing research data to support EU open science

Browse Marketplace My EOSC Dashboard EOSC Portal Providers Hub

EOSC KH – Training Resource Catalogue Data Model

Characteristics

A training resource could be an activity plan, assessment, assessment item, course/lesson plan, educator curriculum guide, online course, physical learning resource, recorded lesson/course/webinar, supporting document, plan or other resource.

Since a training resource is persistent it cannot be an event (though it can be a record of an event).

A training resource may reference other supporting materials, creative works, tools, etc. that do not themselves meet the definition of training resource.

Data Model

Basic Information						
Code	Attribute Name	Definition	Type	Multiplicity	Required	Public
ETRP.BAI.0	ID	A persistent identifier, a unique reference to the Resource.	ResourceID	1	Mandatory	Yes
ETRP.BAI.1	Title	The human readable name of the training resource.	String (100)	1	Mandatory	Yes
ETRP.BAI.2	Resource Organisation	The name of the organisation that manages or delivers the resource, or that coordinates the Resource delivery in a federated scenario.	ProviderID	1	Mandatory	Yes
ETRP.BAI.3	Resource Providers	The name(s) of (all) the Provider(s) that manage or deliver the Resource in federated scenarios.	ProviderID	Multiple	Optional	Yes
ETRP.BAI.4	Authors	The name of entity(ies) authoring the resource.	String (40)	Multiple	Mandatory	Yes
ETRP.BAI.5	URL to resource	The URL that resolves to the training resource or to a "landing page" for the resource that contains important contextual information including the direct resolvable link to the resource, if applicable.	URL	1	Mandatory	Yes
ETRP.BAI.6	Resource URL type	The designation of identifier scheme used for the resource URL. It represents the type of the URL of the resource, that is the used scheme (e.g., Web Address URL, DOI, ARK, etc.).	Controlled Vocabulary	1	Optional	Yes
ETRP.BAI.7	EOSC related Resource	The name(s) of (all) the EOSC Catalogue/Marketplace registered Resource(s) for which this training resource is referring to (Refer to the EOSC Resource ID when applicable).	ResourceID	Multiple	Optional	Yes
Detailed & access Information						
Code	Attribute Name	Definition	Type	Multiplicity	Required	Public
ETRP.DAI.1	Description	A brief synopsis about or description of the training resource.	String (1000)	1	Recommended	Yes
ETRP.DAI.2	Keywords	The keyword(s) or tag(s) used to describe the resource.	String (100)	Multiple	Recommended	Yes
ETRP.DAI.3	License	A license document that applies to this content, typically indicated by URL.	String (100)	1	Mandatory	Yes
ETRP.DAI.4	Access Rights	The access status of a resource (open, restricted, paid).	Controlled Vocabulary	1	Mandatory	Yes
ETRP.DAI.5	Version	The version date for the most recently published or broadcast resource.	Date	1	Mandatory	Yes

The Data Model defines the training resource profiles and contains the metadata set adopted by EOSC for the onboarding of learning resources in the training catalogue.

<https://wiki.eoscfuture.eu/display/PUBLIC/F.+EOSC+Training+Resource+Profile>

EOSC KH – Learning Platform

Filter



For EOSC Trainers - Module 1: Preparing to Train About EOSC

A train-the-trainer course on preparing to teach about using the European Open Science Cloud (EOSC).

EOSC, Open Science



For EOSC Trainers - Module 2: The EOSC Portal

A train-the-trainer course which will give you an overview of the main functionalities of the EOSC Portal and get you ready to deliver training to your user communities.

Data Preservation, Research Data Management, EOSC, Open Science



For EOSC Trainers - Module 3: Addressing Legal & Ethical Issues

A train-the-trainer course on addressing legal and ethical issues relating to European Open Science Cloud (EOSC) use.

ELSI, EOSC, Open Science



For EOSC Trainers - Module 4: Crafting your own training using EOSC resources

A train-the-trainer course on setting up and delivering your training on EOSC.



For EOSC Trainers - Module 4b: Introducing interactivity in asynchronous training

Welcome to this EOSC Future module designed to introduce trainers to adding interactivity to asynchronous training.



For EOSC Trainers - Module 1: Preparing to Train About EOSC



A train-the-trainer course on preparing to teach about using the European Open Science Cloud (EOSC).

Category

EOSC Trainers

Learning Outcome(s)

Learning outcomes

The module will prepare you to:

- present/illustrate the main elements, principles and standards that constitute the foundation of the EOSC Future project approach.
- be confident in identifying resources to help teach and answer questions about EOSC.
- engage with other EOSC trainers through discussion to facilitate networking and good practice sharing.

Program

Welcome to this train-the-trainer course on preparing to teach about using the European Open Science Cloud (EOSC). This course will give you an overview of the evolving EOSC and get you ready to guide discussions and deliver training in your own institution.

This module is intended for trainers who will include EOSC subjects in their training and is disciplinarily agnostic and applicable to trainers working with a range of stakeholder groups and has been adapted from a synchronous workshop that was originally run on 21st-24th November 2022 as part of the EOSC Future project training programme.

Course structure

The content within the course will take you 4 - 6 hours to work through. For each lesson we have provided a range of enrichment reading that you can use to broaden your knowledge of EOSC, as well as to refresh your understanding of key topics that feed into these issues influencing EOSC design and deployment.



EOSC KH – Learning Platform

Home

Catalog / For EOSC Trainers - Module 1: Preparing to Train About EOSC

For EOSC Trainers - Module 1: Preparing to Train About EOSC



A train-the-trainer course on preparing to teach about using the European Open Science Cloud (EOSC).

Category

EOSC Trainers

Learning Outcome(s)

Program

Keywords

Primary language

Target groups (Audience)

Licence

Authors

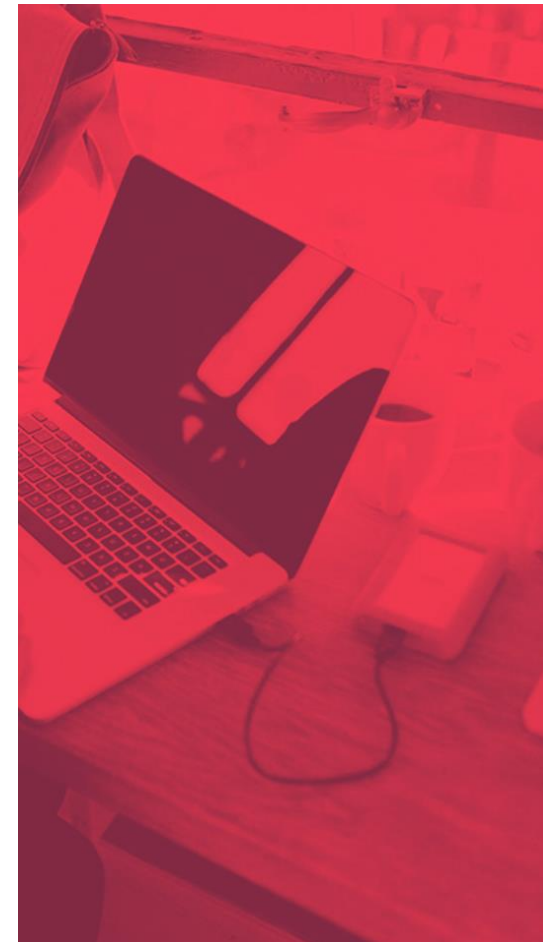
Learning resource types

Next course dates

Create account

By creating an account and enrolling on a course you can track your progress and earn a statement of participation.

LOGIN OR CREATE AN ACCOUNT HERE



Username

Password

Log in

Lost password?

Dear User, please note that this login will be temporary, and we will soon migrate to **EOSC AAI**. Due to this, it is **strongly advised** that you use an email address that will also be valid through **EOSC AAI** which will allow seamless transfer of your OpenPlato account.

Create new account

Login via SAML2

Access as a guest

English (en)

Cookies notice





EOSC KH - Helpdesk

<https://eosc-portal.eu/contact-us>

N.B. For any questions/issues on onboarding training resources, please contact the EOSC Portal Onboarding Team contact (EPOT) at onboarding@eosc-portal.eu

The screenshot shows the 'Support' page of the EOSC Portal. At the top, there is a navigation menu with links for 'About EOSC', 'Browse Marketplace', 'Providers Hub', 'Monitoring', 'Status', and 'Contact us'. Below this is a secondary menu with 'About', 'Get Inspired', 'Funding', 'News & Events', and 'Documents & Policies'. A search bar is present with the text 'Search...' and a dropdown menu set to 'Marketplace'. The main heading is 'Support', followed by a paragraph: 'If you have a general question about using the EOSC Portal, please don't hesitate to contact us with the form below. Otherwise, you can also consult the following pages:'. Below this are two bullet points: 'See if your question was already addressed in the [Frequently Asked Questions](#)' and 'For other technical questions, please use the [Helpdesk](#)'. A blue button labeled 'Contact us' is positioned above the form. The form itself has the following fields: 'Name' (with placeholder 'Your Name'), 'Email' (with placeholder 'Your Email'), 'Subject' (with placeholder 'My subject'), and 'Message' (with placeholder 'Your Message...'). At the bottom of the form is a checkbox for 'Accept EOSC Helpdesk [Data Privacy Policy](#) & [Acceptable Use Policy](#)' and a blue button labeled 'Send message'.



Training resources onboarding workflow demonstration

André Vieira, Pedro Príncipe

University of Minho, EOSC Portal Onboarding Team, EOSC-Future



Common inclusion criteria

- **Providers must first be onboarded as an EOSC Provider** before being able to onboard resources
 - If your organisation is not yet onboarded as a Provider in the EOSC portal, please find the **detailed information on [how to become an EOSC Provider](#)** at and become a Provider at <https://providers.eosc-portal.eu/becomeAProvider>
- **The resource to be onboarded is targeted to EOSC** and EOSC communities
 - a. E.g.: related to open science, research data management, and how to use EOSC resources.
- For federated or jointly provided resources, the resource onboarding must be done by the coordinating or lead provider (i.e. the coordinating or lead provider is the “Resource organisation” in the resource profile).
- The resource provider commits to maintain resource descriptions up-to-date
- **Resource profile information must be provided in English (the metadata)**



Inclusion criteria to onboard Training Resources

- **All mandatory metadata is provided**; all copyright, usage conditions, access constraints, licensing are declared; and all sources are credited when pre-existing resources are reused.
- Specify the learning outcomes, resource type, content resource type, and estimated duration.
- Be in one of the European language(s) (the resource).
- Incorporate information about the expected level of training and expertise to be achieved and required qualifications to access the training resource.
- Comply with the FAIR principles, open and reproducible science practices.
- Provide information about the resource's provenance.
- Be periodically updated and include the date of the last update to prevent outdated content.
- Ensure preservation (e.g. resources are deposited in a repository/platform that can ensure that they are accessible for a reasonable (3-5 years) period of time, preferably in trusted repositories with a long-term preservation policy). EOSC does not offer long-term preservation.

[Detailed inclusion criteria](#)



Training Resources onboarding

Two options to onboard Training Resources:

- a) **via a web interface** for each Resource individually, or
- b) **via the Portal API**

Notes:

- The first resource of the Provider must be entered using the web interface.
- EPOT (EOSC Portal Onboarding Team) reviews this registration before approving the new resource.
 - This step establishes the quality and interoperability of the first resource that the Provider wishes to onboard. This also establishes that the Provider understands what will be needed to ensure the desired quality and interoperability for additional resources that might be onboarded to EOSC.
- Subsequent resources are automatically published.

Onboarding procedure via a web interface

Contact Us Portal Home Catalogue & Marketplace **Providers Dashboard** Providers Documentation User Logout

1 About Statistics For Providers For Catalogues For EPOT

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](#).

Starting with the latest release of the Service profile (v4.0), the Terms of Service and Privacy Policy have become mandatory for registered EOSC Services. Services that did not comply have been deactivated.

If you have any questions or comments, please contact help@eosc-portal.eu

A single platform for providers to onboard their organization into EOSC portal, register and manage their resources and catalogue

Onboarding of Resources

Self service, Workflow based

Learn more

Provider Dashboard

Gain full control of your resources in the catalogue

Learn more 2

- 1) Access to the **EOSC Providers Portal** at <https://providers.eosc-portal.eu/home> and **login**.
- 2) Access the **Providers Dashboard** by selecting the menu **"Providers Dashboard"** (1) or the button **"Learn more"** (2) in the box "Provider Dashboard".

Home > My Providers

Show: Approved Pending Rejected Incomplete

Approved

4.2 Go to Dashboard

View Services

View Datasources

Add new Service

Add new Datasource

3 Provider's name

Provider Status: Approved
First Service Status: Approved

Update Provider

4.1 More

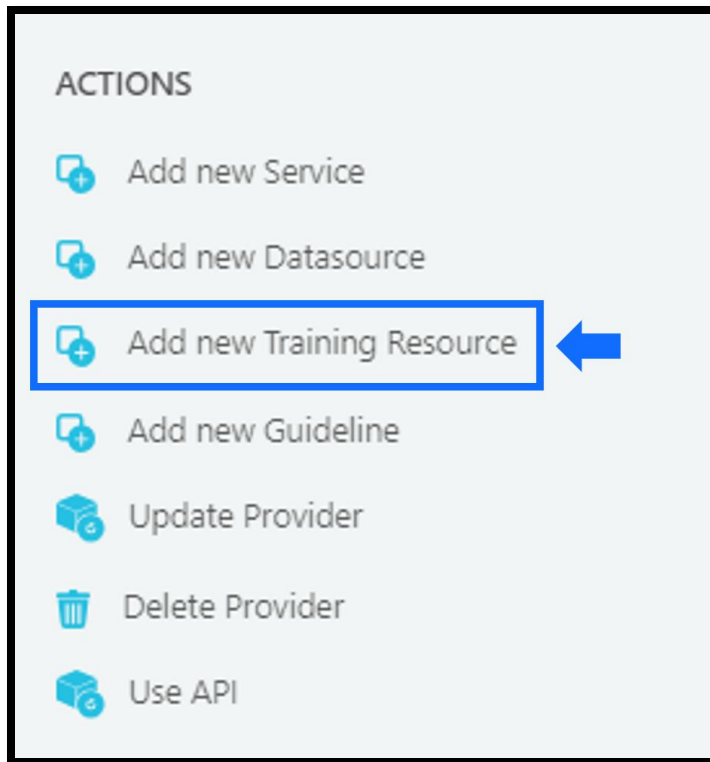
- 2.1) Then, click on the **Provider's name** (3) or select the option **"More"** (4.1) and **"Go to Dashboard"** (4.2).

Onboarding procedure via a web interface

3) Once in the Provider Dashboard, go to the left side menu, and select the option “Add new Training Resource” in the “Actions” section.

4) Then a set of metadata fields needs to be filled in to complete the **Training Resource Profile**.

<https://wiki.eoscfuture.eu/display/PUBLIC/F.+EOSC+Training+Resource+Profile#F.EOSCTrainingResourceProfile>



A screenshot of the 'Add New Training Resource' web form. The form is titled 'Add New Training Resource' and shows the 'Training Resource Profile' section. The 'Basic' information block is selected, and the 'Title (*)' field is visible. A progress bar at the bottom indicates 1 of 6 steps completed (24%).

Home > Add Training Resource

Add New Training Resource

Training Resource Name

Fields with (*) are mandatory and must be completed in order to save this form. Leaving optional fields blank will remove the relevant heading from the published resource/provider profile.

Do you need help? Provide feedback

Training Resource Profile Information Blocks

- 1. Basic * 3*
- 2. Detailed & Access * 3*
- 3. Learning * 3*
- 4. Availability * 2*
- 5. Classification * 1*
- 6. Contact * 1*

*Required fields

1 of 6

24%

Title (*)

The human readable name of the learning resource.

Suggested length is 100 characters

Resource Organisation (*)

The name of the organisation that manages or delivers the resource, or that coordinates the Resource delivery in a federated scenario.

Onboarding procedure via a web interface

Once the form is completed (1) and passes all automatic checks (2), it can be submitted (3).

When the form is submitted, you will be asked if additional Resources will be onboarded. If yes, repeat the steps 3 and 4, otherwise the process is concluded.

The screenshot displays the 'Add New Training Resource' web interface. At the top, there is a breadcrumb trail 'Home > Add Training Resource' and a blue header bar with the title 'Add New Training Resource' and a 'Submit' button. Below the header, the text 'Training resource name (unsaved changes)' is visible. A note states: 'Fields with (*) are mandatory and must be completed in order to save this form. Leaving optional fields blank will remove the relevant heading from the published resource/provider profile.' A 'Do you need help?' link and a 'Provide feedback' button are also present.

The main content area is titled 'Training Resource Profile Information Blocks' and contains a list of six sections, each with a status indicator (a green checkmark in a circle):

1. Basic *
2. Detailed & Access *
3. Learning *
4. Availability *
5. Classification *
6. Contact *

A blue box highlights the '6. Contact *' section, which is the current step. A blue arrow points down to the '6. Contact *' section, labeled with a circled '2'. A blue arrow points down to the '6. Contact *' section, labeled with a circled '1'. A progress bar at the bottom shows '6 of 6' and '100%' completion.

The 'Contact (*)' section contains two mandatory fields:

- First Name (*)**: First Name of the Resource's main contact person/Resource manager. The input field contains the text 'Name'. A note below the field states 'Suggested length is 20 characters'.
- Last Name (*)**: Last Name of the Resource's main contact person/Resource manager.

Onboarding procedure via a web interface

Live demonstration

Home > Add Training Resource

Add New Training Resource

Training Resource Name

Fields with (*) are mandatory and must be completed in order to save this form. Leaving optional fields blank will remove the relevant he...

Training Resource Profile

Information Blocks

- 1. Basic * 3*
- 2. Detailed & Access * 3*
- 3. Learning * 3*
- 4. Availability * 2*
- 5. Classification * 1*
- 6. Contact * 1*

*Required fields

1 of 6

24%

Title (*)

The human readable name of the learning resource.

Suggested length is 100 characters

Resource Organisation (*)

The name of the organisation that manages or delivers the resource, or that coordinates the Resource delivery in a federated scenario.





Support & Guidance

How to onboard Training Resources into the EOSC Marketplace

Step-by-step guide

Table of contents

- Preliminary notes
- Inclusion criteria to onboard Training Resources
 - a) Common inclusion criteria
 - b) Additional inclusion criteria to onboard a training resource
- Step-by-step guidance to onboard Training Resources
 - a) Onboarding procedure via a web interface for each Resource individually
 - b) Onboarding procedure via the Portal API
- Revision and publication of the new onboarded Resources

<https://wiki.eoscfuture.eu/display/PUBLIC/Step-by-step+guide%3A+How+to+onboard+Training+Resources+into+the+EOSC+Marketplace>

EOSC Providers Hub

A single place for Providers to learn:

- Why and how to become an EOSC Provider
- How to register and manage resources so they are available in the EOSC Marketplace, and
- Access related documentation, training and support.

<https://eoscfuture.eu/eosc-providers-hub>

[Benefits of Becoming a Provider](#)

[How to become an EOSC Provider](#)

[How to Become an EOSC Provider - An Overview](#)

[Instructions to onboard Providers and Services to EOSC](#)

[What are EOSC resources?](#)

[How does the EOSC Catalogue and Marketplace work?](#)

[What are EOSC Profiles?](#)

[Provider statistics](#)

[Resource statistics](#)

[Adding value to already onboarded resources](#)



Onboarding via API and Catalogues

Milica Ševkušić

Project Coordinator, Open Access Programme, EIFL



EOSC Portal Open API

1. Onboarding resources (esp. if there are many)
2. Updating resources
3. Onboarding catalogues

Community Resource Catalogue is an external catalogue including multiple resources. If the community catalogue complies with the inclusion criteria, the resources contained in it can be made visible in the EOSC Marketplace.

- [NI4OS Catalogue](#)
- [SSHOC Marketplace](#)
- Pilot training catalogues ([ELIXIR TeSS](#), [SSH Training Discovery Toolkit](#), [DARIAH Campus](#), [EOSC-Pillar Gateway](#))



EOOSC Portal Open API documentation

- Using command line or other HTTP request generation tools to interact with the EOOSC Portal programmatically
- EOOSC Portal Open API: <https://providers.eosc-portal.eu/openapi>

Show/Hide | List Operations | Expand Operations

public-service-controller : Public Service Controller

public-training-resource-controller : Public Training Resource Controller

resource-extras-controller : Resource Extras Controller

resource-interopability-record-controller : Resource Interoperability Record Controller

service-controller : Operations for Services

service-extensions-controller : Service Extensions Controller

training-resource-controller : Operations for Training Resources Show/Hide | List Operations | Expand Operations

Method	Endpoint	Description
POST	/trainingResource	Creates a new TrainingResource.
PUT	/trainingResource	Updates the TrainingResource assigned the given id with the given TrainingResource, keeping a version of revisions.
GET	/trainingResource/all	Filter a list of Training Resources based on a set of filters or get a list of all Training Resources in the Catalogue.
GET	/trainingResource/by/{field}	Get all Training Resources in the catalogue organized by an attribute, e.g. get Training Resources organized in categories.
PUT	/trainingResource/suspend	Suspends a specific Training Resource.
POST	/trainingResource/validate	Validates the Training Resource without actually changing the repository.
GET	/trainingResource/{id}	Get the most current version of a specific Training Resource, providing the Resource id.




training-resource-controller : Operations for Training Resources

POST /trainingResource

Response Class (Status 200)
OK

Model | Example Value

```
{
  "id": "(required on PUT only)",
  "title": "string",
  "resourceOrganisation": "string",
  "resourceProviders": [
    "string"
  ]
}
```

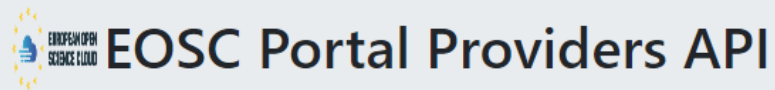
future.eu  @EOSCFuture  EOSCfuture 



Obtain the API token

- Go to <https://aai.eosc-portal.eu/providers-api/> (opens in a new tab)
- authorize the webpage to read your account details to obtain new access and refresh tokens (log in using an academic or social account)

EOSC Portal Providers API



This service requires the following permissions for your account:

read your user identifier (openid)

read your email address (email)

read your basic profile info (profile)

Authorise

Preparing the training resource description and validating it

- Go to <https://providers.eosc-portal.eu/openapi>
- Prepare the training resource description according to the [EOSC Training Resource Profile](#) by calling the API's POST /trainingResource/validate method.

POST /trainingResource/validate Validates the Training Resource without actually changing the repository.

Response Class (Status 200)
boolean

Response Content Type:

Parameters

Parameter	Value	Description	Parameter Type	Data Type
trainingResource	(required)	trainingResource	body	Model

Parameter content type:

```
{
  "id": "(required on PUT only)",
  "title": "string",
  "resourceOrganisation": "string",
  "resourceProviders": [
    "string"
  ],
  "authors": [
    "string"
  ],
  "url": "https://example.com",
  ...
}
```

Response Messages

HTTP Status Code	Reason	Response Model	Headers
------------------	--------	----------------	---------

Adding the training resource to the EOSC Marketplace

- call the POST/trainingResource method to add the new Resources in the EOSC Marketplace
- Multiple resources can be added using the same procedure

training-resource-controller : Operations for Training Resources Show/Hide List Operations Expand Operations

POST /trainingResource Creates a new TrainingResource.

Response Class (Status 200)
OK

Model | Example Value

```
{
  "id": "(required on PUT only)",
  "title": "string",
  "resourceOrganisation": "string",
  "resourceProviders": [
    "string"
  ],
  "authors": [
    "string"
  ],
}
```

Response Content Type

Parameters

Parameter	Value	Description	Parameter Type	Data Type
trainingResource	(required)	trainingResource	body	Model Example Value

Parameter content type:

```
{
  "id": "(required on PUT only)",
  "title": "string",
  "resourceOrganisation": "string",
  "resourceProviders": [
    "string"
  ],
}
```



Inclusion criteria for catalogues

1. Have a documented and methodical approach for the validation of information about resources included in the catalogue.
2. Ensure that records are kept up-to-date and that providers are prepared to correct errors detected in the onboarding process.
3. Onboard and synchronise records with the EOSC Marketplace.
4. Ensure that policies across catalogues are consistent
5. Follow the [EOSC Security Operational Baseline](#)
6. Send an [EOSC Catalogue Onboarding Agreement](#) to declare conformance to the inclusion criteria (the catalogue owner sends an email to the EOSC Portal Onboarding Team).



Onboarding community catalogues

1. Onboard the Catalogue Operator (as a provider); has to be approved by EPOT
2. Onboard the catalogue; has to be approved by EPOT
3. Onboard all or some resources using the API (indicate the Catalogue ID)

catalogue-controller : Catalogue Controller Show/Hide List Operations Expand Operations

PUT	/catalogue	Updates a specific Catalogue
GET	/catalogue/all	Get a list of all Catalogues in the Portal.
POST	/catalogue/{catalogueId}/datasource	Creates a new Datasource for the specific Catalogue.
PUT	/catalogue/{catalogueId}/datasource	Updates the Datasource of the specific Catalogue.
DELETE	/catalogue/{catalogueId}/datasource/{id}	Deletes the Datasource of the specific Catalogue with the given id.
GET	/catalogue/{catalogueId}/datasource/{resourceId}	Returns the Datasource of the specific Catalogue with the given id.
POST	/catalogue/{catalogueId}/interoperabilityRecord	Creates a new Interoperability Record for the specific Catalogue.
PUT	/catalogue/{catalogueId}/interoperabilityRecord	Updates the Interoperability Record of the specific Catalogue.
DELETE	/catalogue/{catalogueId}/interoperabilityRecord/{id}	Deletes the Interoperability Record of the specific Catalogue with the given id.
GET	/catalogue/{catalogueId}/interoperabilityRecord/{interoperabilityRecordId}	Returns the Interoperability Record of the specific Catalogue with the given id.
POST	/catalogue/{catalogueId}/provider	Creates a new Provider for the specific Catalogue.



Thank you for your attention

The EOOSC Future project is co-funded by the
European Union Horizon Programme call
INFRAEOOSC-03-2020, Grant Agreement 101017536



Updating information about training resources and providers

- Call the PUT /trainingResource method to update services.
- Call the PUT /provider method to update providers.

PUT /trainingResource Updates the TrainingResource assigned the given id with the given TrainingResource, keeping a version of revisions.

Response Class (Status 200)
OK

Model | Example Value

```
{}
"url": "https://example.com",
"urlType": "string",
"eosRelatedServices": [
  "string"
],
"description": "string",
"keywords": [
  "string"
],
"license": "string",
```

Response Content Type:

Parameters

Parameter	Value	Description	Parameter Type	Data Type
trainingResource	(required)	trainingResource	body	Model Example Value

Parameter content type:

```
{
  "id": "(required on PUT only)",
  "title": "string",
  "resourceOrganisation": "string",
  "resourceProviders": [
    "string"
  ],
  "authors": [
    "string"
  ],
```



One-to-one onboarding support (on demand)

15h - 16h CEST