



MREŽA ZNANJA

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Engage, Explore, Empower: Community Engagement in the EOSC EU Node

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Engage, Explore, Empower

Community Engagement in the EOSC EU Node

Maja Dolinar, OpenAIRE AMKE

What is the EOSC EU Node?

- A platform created by the European Commission enabling Open Science in Europe.
- Provides federated access to research data, services, and computing resources.
- Supports Open Science principles (FAIR data, open access, reproducibility).
- Built and operated by a consortium of research institutions and service providers.
- Supports researchers, citizen scientists, and Horizon Europe projects.



Who can use EOSC EU Node?

- **Open to all researchers**, not just Horizon Europe projects.
- Accessible for academic institutions, citizen scientists, and public initiatives.
 - Various levels of credits apply!
- Access is free – supported by European Commission funding.
- **Helps projects comply with Open Science and FAIR data requirements.**



Enrich your
Scientific Endeavours



Enter the Gateway
to Open Science

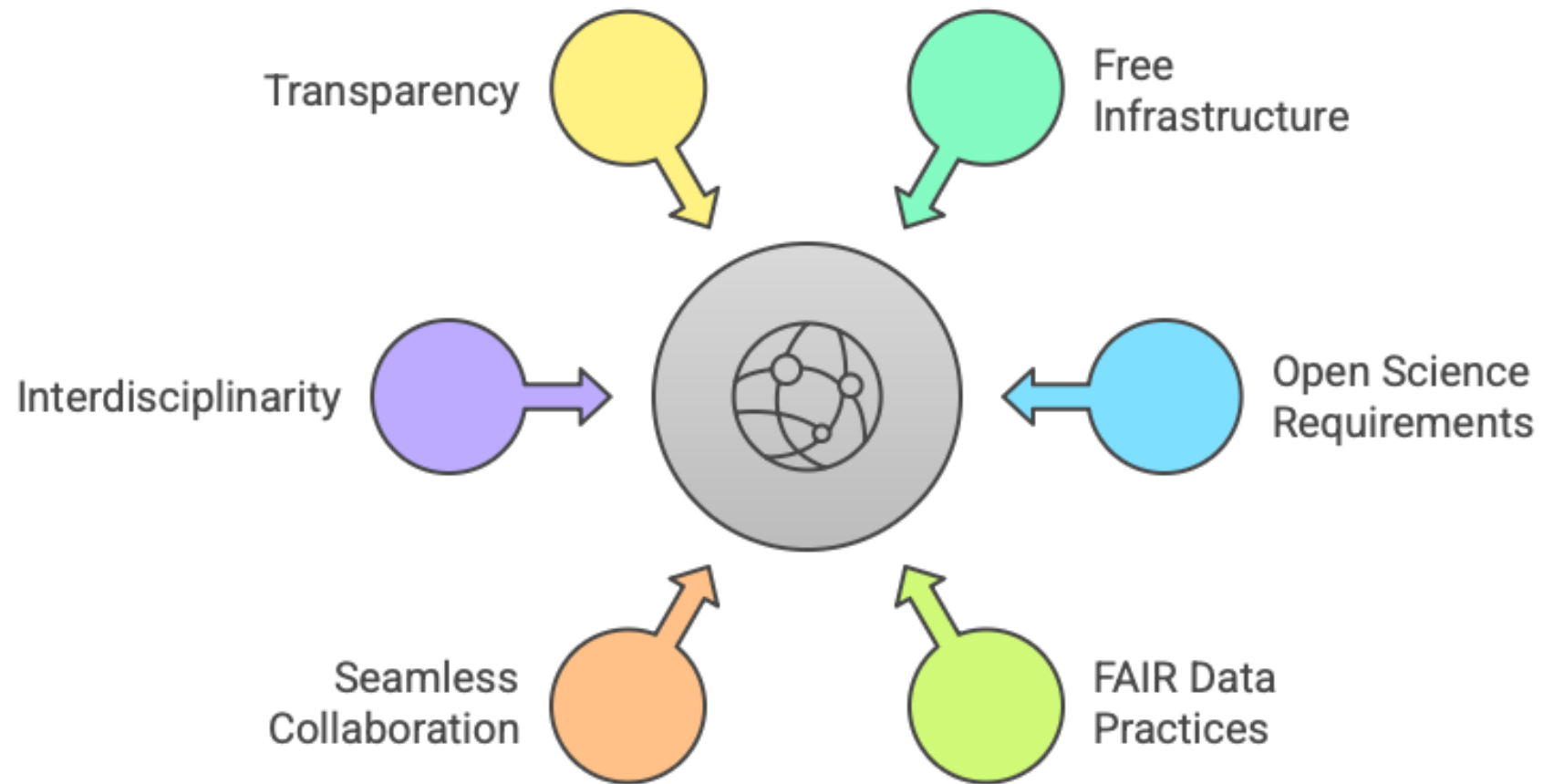


Manage your
Research Workflows

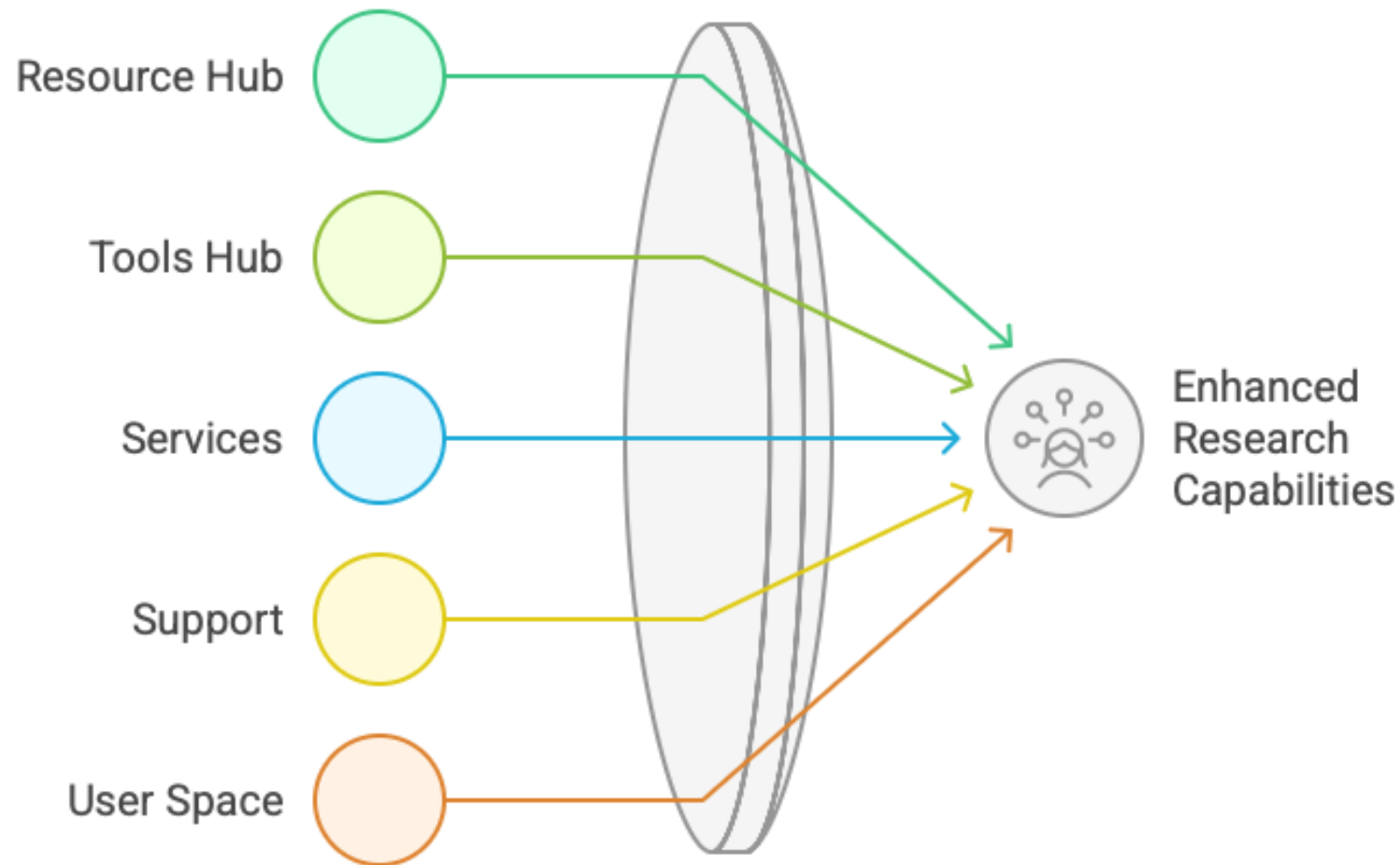


Exchange with
your Peers

Why EOSC EU Node for Horizon Europe?



Empowering Researchers through EOSC EU Node



Resource Hub

The screenshot shows the 'Resource Hub' page of the European Open Science Cloud - EU Node. At the top, there is a header with the European Commission logo and a 'Log in' button. Below this is a dark blue navigation bar with links for Home, About, Services, Resource Hub (selected), Support, Contributors, News & Events, and User Space. A breadcrumb trail shows 'Home > Resource hub'. A search bar with the placeholder 'Search in all resources' and a 'Search' button is present. Below the search bar is a horizontal menu with categories: All resources (selected), Publications, Data, Software, Other Products, Services, Tools, Training, Data Sources, and Interoperability Guidelines. On the left side, there are filters for 'Access right', 'Scientific domain', and 'Document type'. The main content area shows 'Showing 1 to 20 of 167,544,251 resources' and a 'Relevance' dropdown menu. A featured resource card is displayed with the title 'INTEROPERABILITY GUIDELINE', the year '2023', and the subtitle 'EOSC IF Interoperability Guideline: Access to content via PID'. The card text describes the importance of Open Science and persistent identifiers. The authors are listed as 'EOSC Future WP3 Working Group on Research product Publishing'.

European Commission

Log in

European Open Science Cloud - EU Node

Home About Services Resource Hub Support Contributors News & Events User Space

Home > Resource hub

Advanced Search

Search in all resources Search

All resources Publications Data Software Other Products Services Tools Training Data Sources Interoperability Guidelines

Access right

Scientific domain

Document type

Showing 1 to 20 of 167,544,251 resources

Relevance

INTEROPERABILITY GUIDELINE

Year: 2023

EOSC IF Interoperability Guideline: Access to content via PID

An important aspect of Open Science is the possibility to re-use existing research products (e.g. research data), deposited in repositories and accessible via their persistent identifiers (e.g. handle, doi, ark). However, there is no standard way a service can access the actual content behind persistent identifiers, as these...

Authors EOSC Future WP3 Working Group on Research product Publishing

- Discover ~167M resources
 - OpenAIRE, EC data sources
 - Harvested & indexed
- Resources
 - Publications
 - Data
 - Software
 - Services
 - Data Sources
 - Training
 - Tools

Available Services

File Sync and Share

Your personal cloud storage for collaborative research.

Interactive Notebooks

A shared space for coding and analysis.

Large File Transfer

Fast and secure file transfers.

Virtual Machines

Scalable cloud computing for reliable and reproducible results.


Cloud Container Platform


Simplified Kubernetes for scalable research.

Bulk Data Transfer


Smooth high-volume data transfers.


User Space


 European Commission




EOSC EU Node


 Overview


 Resource Hub


 Tools Hub


SERVICES


 File Sync & Share

 Interactive Notebooks

 Large File Transfer



 Cloud Container Platform

 Virtual Machines

 Bulk Data Transfer

... Other Services

Hello Maja Dolinar
This is the overview of your EOSC EU Node account.

 Welcome to the EOSC EU Node! 

File Sync and Share
You have access to this service
[View Service >](#)

Interactive Notebooks
You have access to this service
[View Service >](#)

Large File Transfer
You have access to this service
[View Service >](#)

Virtual Machines
You have access to this service
[View Service >](#)

Cloud Container Platform
You have access to this service
[View Service >](#)

Bulk Data Transfer
You have access to this service
[View Service >](#)

Credits remaining 1500 / 2000
83 days until next refresh

Notifications [View all](#)
Access expiration Apr 11, 2025, 5:15:19 AM

Favourites [View all](#)
Interoperability • 2021

Maximizing the Research Data Lifecycle with EOSC EU Node

Use Cases:

- A Horizon Europe project can browse **Resource Hub** to find existing datasets to reuse, reducing duplication of effort.
- A research team analyzing climate data can use **Virtual Machines** to store and preprocess satellite images before analysis.
- A bioinformatics researcher can process genomic data in a **secure, cloud-based Jupyter Notebook** without setting up local infrastructure.



Maximizing the Research Data Lifecycle with EOSC EU Node

Use Cases:

- *A HE project must comply with Open Access and FAIR principles – EOSC EU Node provides access to trusted repositories, persistent identifiers (DOIs), and metadata-rich datasets, ensuring that research outputs are FAIR.*
- *A HE project coordinator needs to report on data sharing and Open Science practices. EOSC EU Node's integrated metrics dashboard provides insights on dataset usage, downloads, and citations, ensuring compliance with EC reporting requirements.*
- *A social scientist finds economic datasets in Resource Hub and integrates them into new research, ensuring cross-disciplinary collaboration.*



EOSC EU Node supporting Horizon Europe projects

Grants of up to 40,000 credits are available to EC-funded R&I projects

- One grant per project, one-time and non-replenishable
- Usable only during the project's duration
- For project-related needs within the EOSC EU Node
- Credits are added to the *Group Project Wallet*

How to get access:

- Submit a **helpdesk ticket** with following details:
 - EC Grant Number
 - EC Project Officer
 - Group Project ID and Owner
 - Short description of intended use of EOSC EU Node services

EOSC EU Node Learning Center

<https://openplato.eu/eosceunode>



Learning Resources for researchers

For **Researchers**

Tutorials

Quick & step by step guides to help you understand and use the EOSC EU NODE effectively.


[Browse](#)

Courses

Deepen your knowledge and skills in using EOSC EU NODE services and tools.

[Browse](#)


Tutorials for quick understanding



EOSC EU Node Learning Center

Tutorials for Researchers

TUTORIAL
Beginner

**BULK DATA TRANSFER:
INTRODUCTION
FOR RESEARCHERS**

Bulk Data Transfer

Bulk Data Transfer:
Introductory Tutorial

2 Enrolled

TUTORIAL
Beginner


**CLOUD CONTAINER
PLATFORM:
INTRODUCTION FOR
RESEARCHERS**

Cloud Container Platform

Cloud Container Platform:
Introductory Tutorial

2 Enrolled

TUTORIAL
Beginner

**FILE SYNC
& SHARE:
INTRODUCTION FOR
RESEARCHERS**

File Sync & Sharing

File Sync & Share:
Introductory Tutorial

3 Enrolled


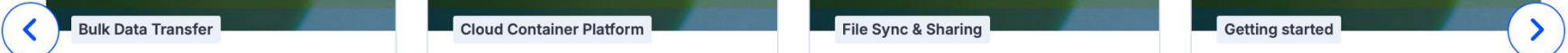
TUTORIAL
Beginner

**HOW TO CREATE
GROUPS:
INTRODUCTION FOR
RESEARCHERS**

Getting started

How to create Groups: Short
Tutorial

2 Enrolled



Courses with optional quizzes



EOSC EU NODE Learning Center

Courses for Researchers

Beginner

HOW TO CREATE A USER ACCOUNT IN EOSC EU NODE

Getting started

How to create a User Account in EOSC EU Node

8 Enrolled

Beginner

HOW TO USE BULK DATA TRANSFER SERVICE: A COMPLETE GUIDE

Bulk Data Transfer

How to Use Bulk Data Transfer Service: A Complete Guide

3 Enrolled

Beginner

HOW TO USE THE CLOUD CONTAINER PLATFORM: A COMPLETE GUIDE

Cloud Container Platform

How to use the Cloud Container Platform: A Complete Guide

3 Enrolled

Beginner

HOW TO USE THE EOSC EU NODE RESOURCE HUB: A COMPLETE GUIDE

Resource Hub

How to use the EOSC EU Node Resource Hub: A Complete Guide

3 Enrolled



Example of a course

Course landing page



How to use the EOSC EU Node Tools Hub: A Complete Guide

Category
Tools Hub

[Course Overview](#) [Course Content](#)

Course Overview

Welcome to this course on how to create a user account in the EOSC EU Node. The EOSC EU Node connects researchers, developers, and institutions across Europe with a wide range of digital services and resources. By creating an account, you will gain access to advanced tools, services, and collaborative spaces to facilitate your research or professional activities. This course will guide you step by step through the process of registering a user account on the EOSC Node, ensuring that you can easily access the available resources and tools.

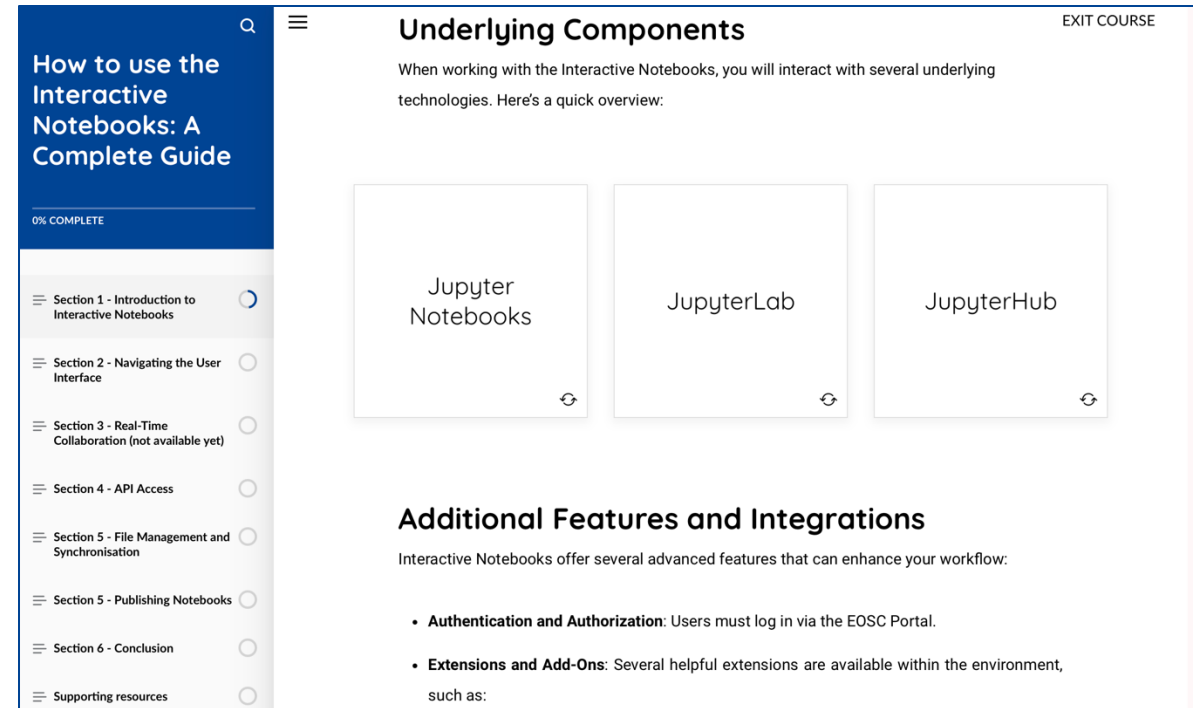
EOSC EU NODE

HOW TO USE THE EU NODE TOOLS HUB: A COMPLETE GUIDE

Enrol Now

- Updated 30 Jun 2023
- Lessons
- Enrolled
- Language English
- Skill Level Beginner

Entering a course



How to use the Interactive Notebooks: A Complete Guide

0% COMPLETE

- Section 1 - Introduction to Interactive Notebooks
- Section 2 - Navigating the User Interface
- Section 3 - Real-Time Collaboration (not available yet)
- Section 4 - API Access
- Section 5 - File Management and Synchronisation
- Section 5 - Publishing Notebooks
- Section 6 - Conclusion
- Supporting resources

Underlying Components

When working with the Interactive Notebooks, you will interact with several underlying technologies. Here's a quick overview:

- Jupyter Notebooks
- JupyterLab
- JupyterHub

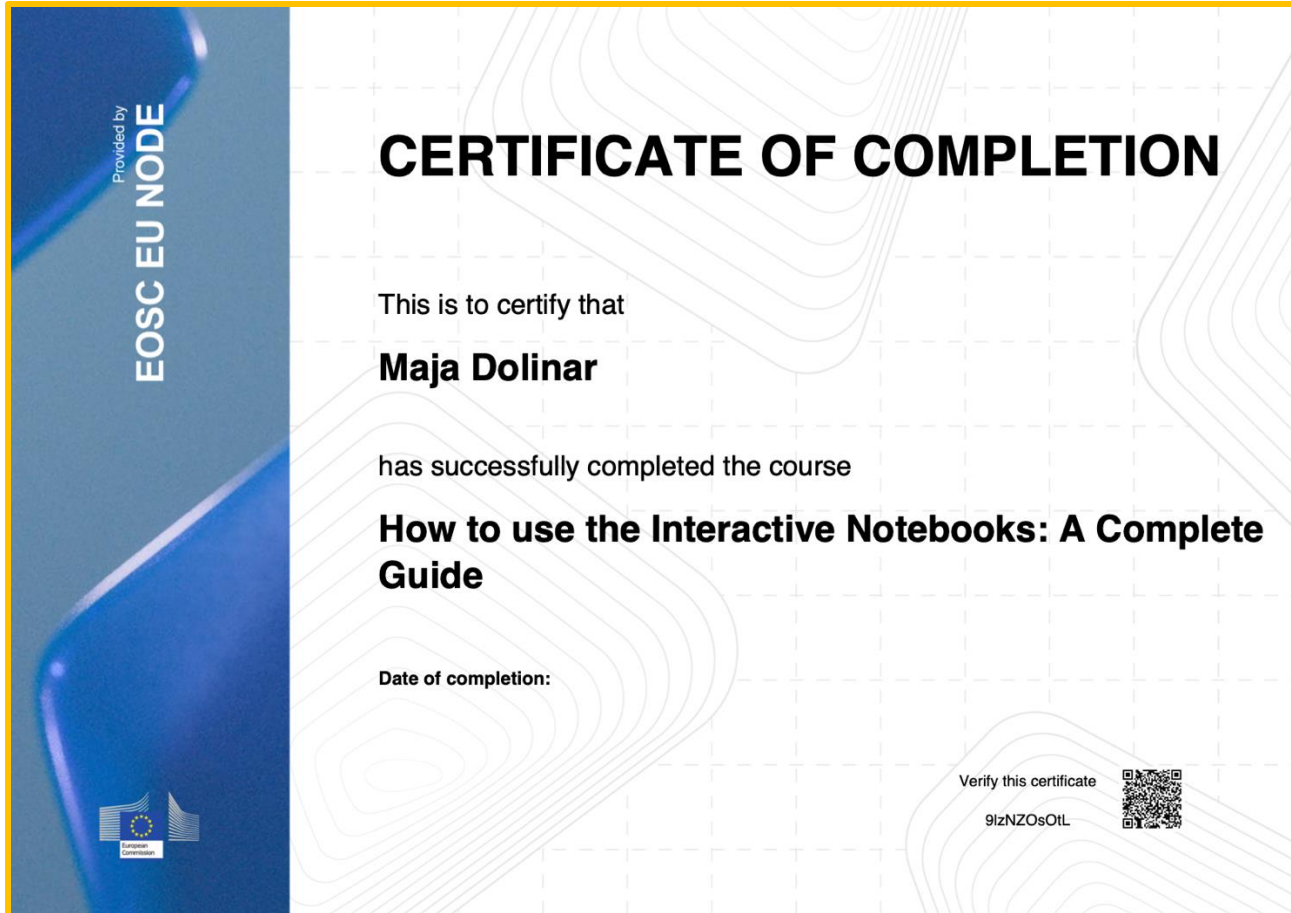
Additional Features and Integrations

Interactive Notebooks offer several advanced features that can enhance your workflow:

- Authentication and Authorization:** Users must log in via the EOSC Portal.
- Extensions and Add-Ons:** Several helpful extensions are available within the environment, such as:

EXIT COURSE

Certification and Badges



- a robust certification and badges system designed to showcase progress and commitment to Open Science and data management best practices
- complete a course to earn official **certificate** that verifies your participation and knowledge in Open Science

EOSC EU Node Research Practitioner Badge



Complete a dedicated learning path to earn the EOSC EU Node Research Practitioner badge.

The badge demonstrates foundational competence in navigating and using the EOSC EU Node to support research activities.

Start Learning about the EOSC EU Node



- Visit the EOSC EU Node Learning Center
- Enroll in a tutorial or a course
- Begin collecting certificates and badges that make your Open Science journey visible and impactful
- Share your certificates and badges on your CV, LinkedIn, or professional portfolio to highlight your dedication to advancing Open Science.

<https://openplato.eu/eosceunode>

Explore EU Node Services Fact Sheets

Bulk Data Transfer	Cloud Container Platform	File Sync & Share
		

Explore EU Node Services Fact Sheets

Interactive Notebooks	Large File Transfer	Virtual Machines
		

Explore the EOSC EU Node Now

Discover resources, use the services, and
see how it can power your research.

Visit our
website



Explore our
services

EOSC EU Node

A European platform and information gateway to explore, engage, and enrich your research collaborations.