



Best practices for online training: EOOSC Synergy

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EOSC SYNERGY: implementing EOSC at the national level

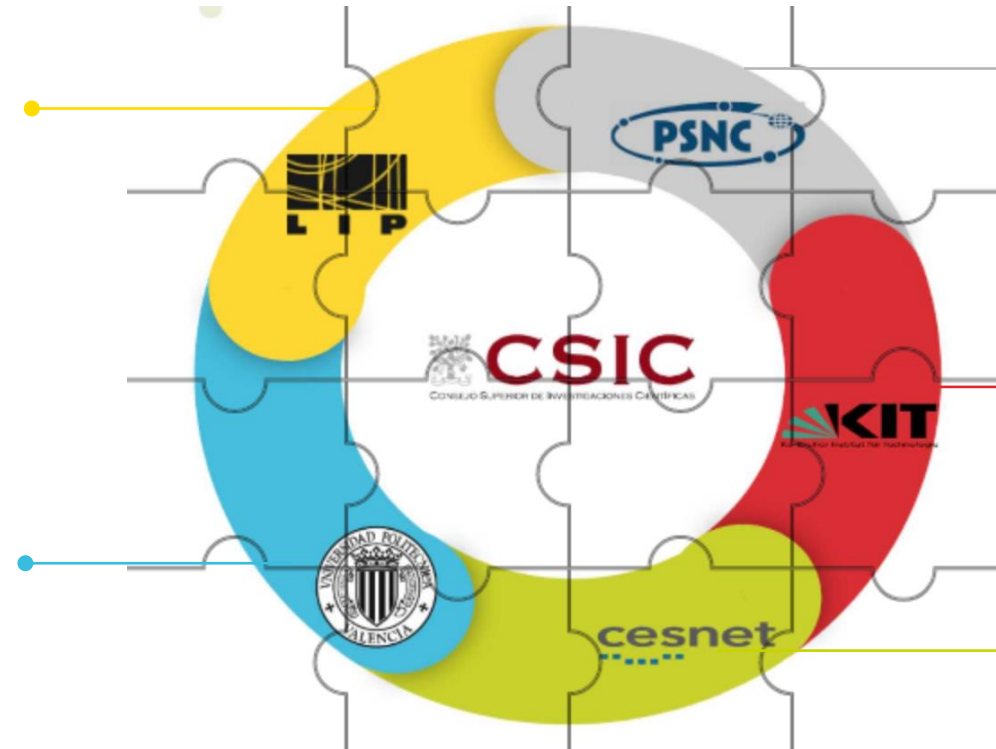


Promoting EOSC High Quality Services

Software quality as a service, FAIRness evaluation and quality certification badges.

Thematic Services Integration

10 thematic services addressing 4 scientific areas (Earth Observation, Environment, Biomedicine and Astrophysics).



Skills development

Environment for online tutorials with a dedicated learning platform, advice on online course creation and delivery, an exemplar course, and a Hackathon as a service platform.

Capacity Expansion at the Infrastructure level

Integration of services and resources from the RIs of the consortium partners.

Alignment at the Policy Level

Collaboration with regional projects on landscaping activities, gap analysis and contribution to EOSC policies.

www.eosc-synergy.eu

Spain, Portugal, UK, Czech Republic, Germany, Slovakia, Poland and the Netherlands

Learn@Synergy platform



An innovative online platform focussing on open tools

Modular set of tools for preparing and conducting tutorials <https://learn.eosc-synergy.eu/>

- **MOOC: Moodle:** production/development instance
- **Videoconference:** based on **eduMEET**
- **Interactive computing:** based on **Jupyter Notebook**
- **Shared drive:** based on **NextCloud**
- **Infrastructure Manager** to create virtual machines and training accounts
- **Hackathon-as-a-service** to facilitate the organisation of hackathons on the EOSC infrastructure and accessible through the EOSC Portal

The screenshot displays the Learn@Synergy platform interface. At the top, there is a navigation bar with links for HOME, GET STARTED, CREATE A COURSE, BROWSE COURSES, USE SERVICES, and ABOUT US. Below this, a section titled "POWERED BY" lists LP (Learner Portal), PIONEER (Pioneer Research & Classroom (BETN)), and Moodle. The main content area features several tool cards, each with a description and a "Get started" button:

- ONLINE LEARNING PLATFORM:** Moodle
- VIDEOCONFERENCE:** eduMEET
- INTERACTIVE COMPUTING:** Jupyter
- SHARED DRIVE:** NextCloud
- INFRASTRUCTURE MANAGEMENT:** Infrastructure Manager

Below the tool cards, there is a "Hackathon Manager" section. It includes a user profile for "test_manager" with options for "Change password" and "Log out". The "Hackathons" section has tabs for "Managed", "Participated", and "Other". A table lists the following hackathon:

Name	Manager	Infrastructure	Starts on	Ends on	VMs per user	Created on	Actions
BIFI Hackathon	test_manager	BIFI	March 20, 2021, 8 p.m.	March 21, 2021, 8 p.m.	2	March 22, 2021, 3:52 p.m.	[Add] [Edit] [Delete]

At the bottom, there is a footer with the EOSC SYNERGY logo, the Infrastructure Manager logo, and copyright information: "Copyright © BIFI 2021. Logo made by freepik from www.flaticon.com."

Guidance on creating good online training

- Guidance on analysis, design, content creation and delivery
- Training analysis forms available to guide planning
- Design workshop based on [ABC-LD](#), a well-established methodology
- Our handbook aims to be a companion to the [FOSTER Open Science Training Handbook](#)
- It's a work in progress - we welcome comments and contributions



[FAIRsFAIR-CODATA-RDA data steward workshop series](#)



Open Science Online Training Handbook

DRAFT FOR OPEN CONTRIBUTION

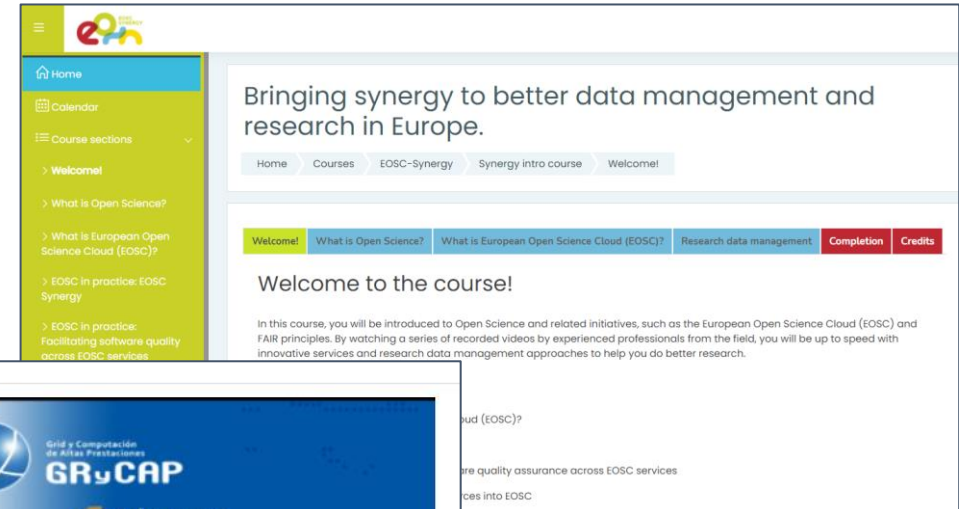
Notes for contributors:

- Please add comments and suggestions throughout this document
- Please add your contact details for future reference and providing credit
- We welcome comments and additions to our core text
- We are particularly interested in adding 'real-life' examples which show the guidance in practice
- The handbook will be made available openly for reuse

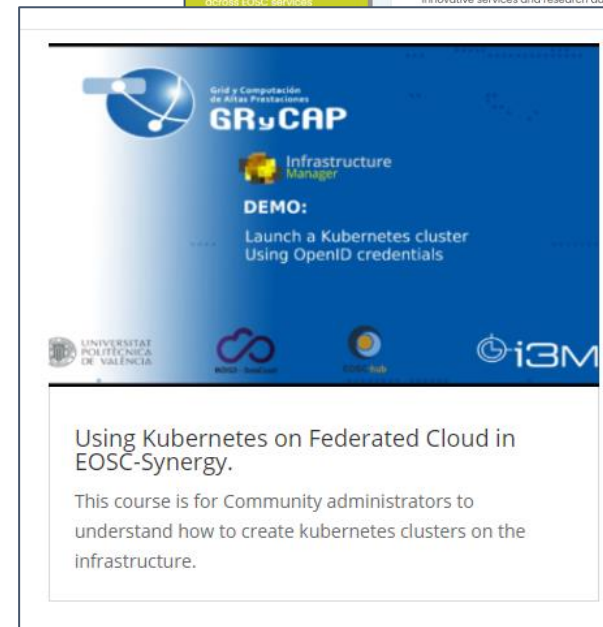
[View and comment on the handbook](#)

Online tutorials and training materials

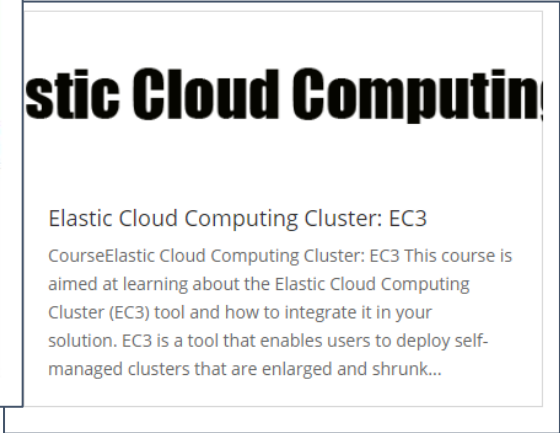
- Advanced tutorials regarding the EOSC-Synergy tools
- Domain specific tutorials regarding thematic services
- A [fully reusable 8 module exemplar course](#) on RDM, FAIR data and open science



The screenshot shows the course landing page for 'Bringing synergy to better data management and research in Europe'. It features a navigation menu on the left with options like Home, Calendar, and Course sections. The main content area includes a breadcrumb trail (Home > Courses > EOSC-Synergy > Synergy intro course > Welcome!) and a progress bar with tabs for 'Welcome!', 'What is Open Science?', 'What is European Open Science Cloud (EOSC)?', 'Research data management', 'Completion', and 'Credits'. The 'Welcome!' tab is active, displaying a welcome message and an introductory paragraph about the course's focus on Open Science and related initiatives.



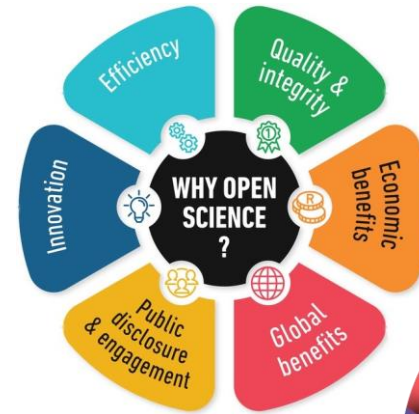
The screenshot shows a video player interface for a demo titled 'Using Kubernetes on Federated Cloud in EOSC-Synergy'. The video content includes the GR@CAP logo, 'Infrastructure Manager', and the text 'DEMO: Launch a Kubernetes cluster Using OpenID credentials'. Logos for 'UNIVERSITAT POLITÈCNICA DE VALÈNCIA', 'EOSC-Synergy', and 'i3M' are visible at the bottom of the video frame.



The screenshot shows a video player interface for a course titled 'Elastic Cloud Computing Cluster: EC3'. The video content includes the text 'Elastic Cloud Computing Cluster: EC3' and 'CourseElastic Cloud Computing Cluster: EC3 This course is aimed at learning about the Elastic Cloud Computing Cluster (EC3) tool and how to integrate it in your solution. EC3 is a tool that enables users to deploy self-managed clusters that are enlarged and shrunk...'

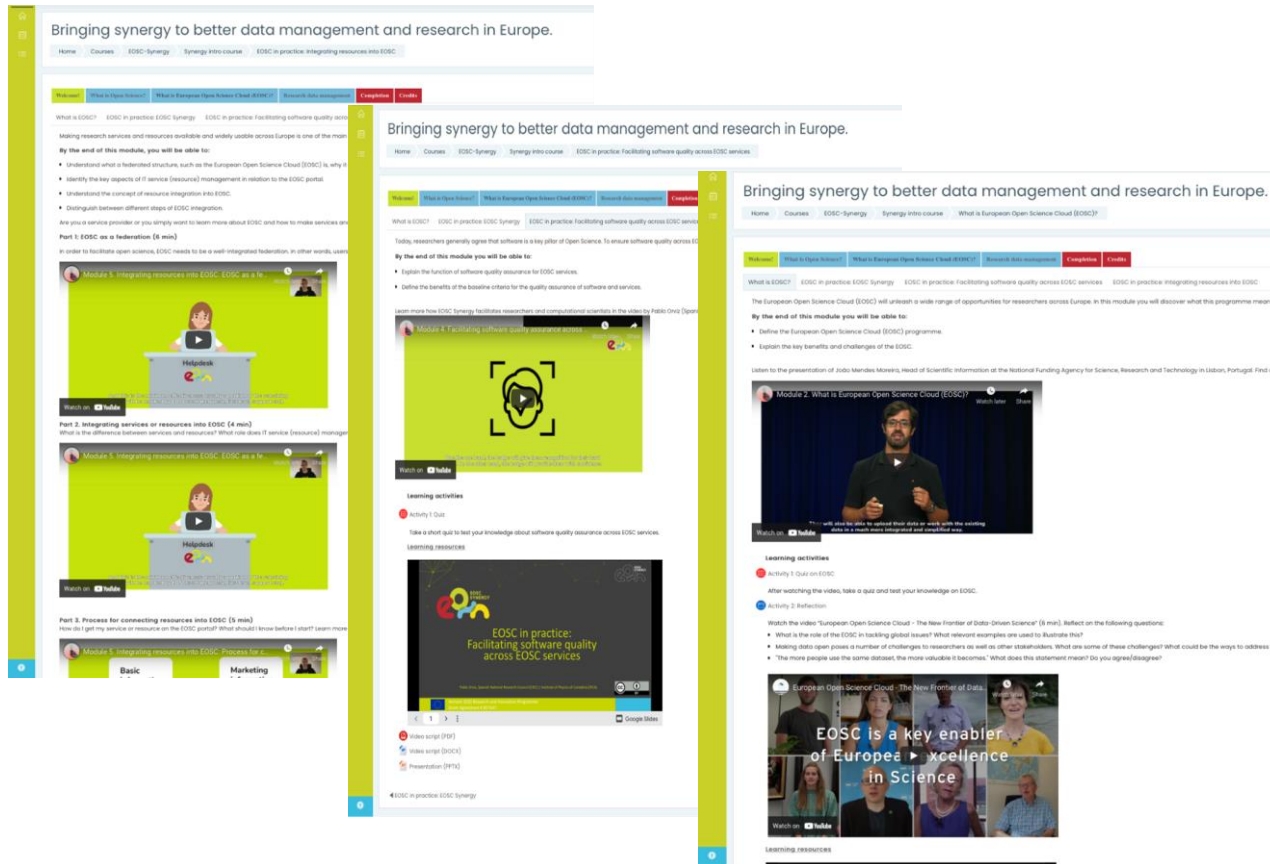
Bringing synergy to better data management and research in Europe

- Provide a **basic understanding** of EOSC and Open Science in relation to the EOSC Synergy project.
- Familiarise with **key concepts and practical tools** for FAIR data and data management.
- Raise **awareness on best practices in research data management** and equip users with **practical tools** to embrace these practices.



Try out now: <https://bit.ly/3lAuyrU>

Bringing synergy to better data management and research in Europe



- 8 introductory modules
- Open Science, EOSC, RDM
- Video material
- Learning activities & resources
- Interactive
- Self-paced
- Reusable content

Try out now: <https://bit.ly/3lAuyrU>

Materials in Zenodo: <https://bit.ly/3zAgFyT>

Thank you

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