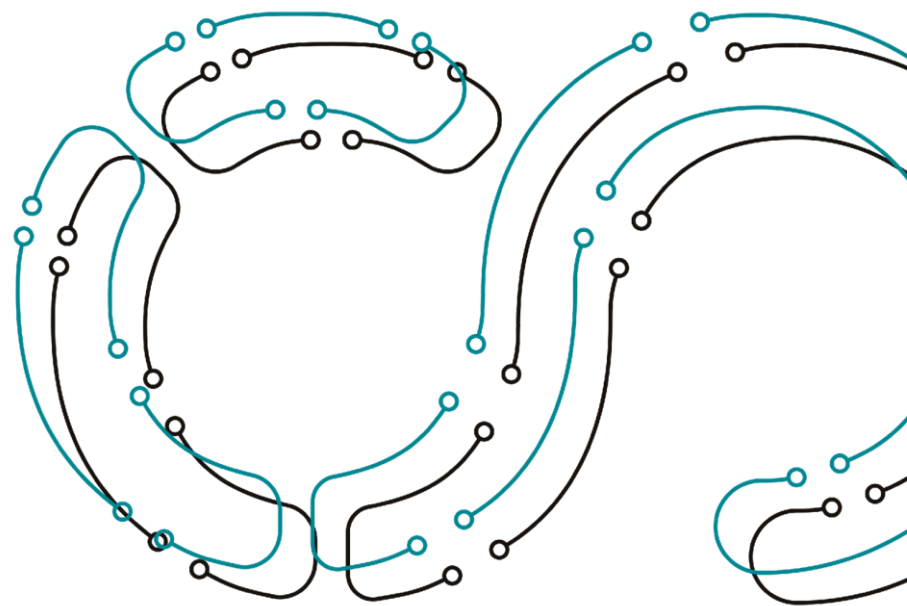
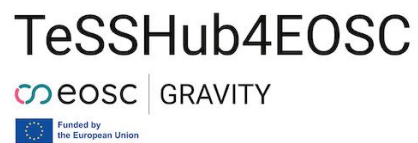


TeSSHUB4EOSC: FAIR training catalogue infrastructure

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TeSSHUB4EOSC: Motivation

Distributed, FAIR-compliant catalogue infrastructure for training

- **Background:** fragmented training resources across EOSC
- Built on the OSCARS mTeSS-X Platform (evolution of TeSS)
- **TeSSHUB4EOSC: EOSC Gravity inter-project**
 - A single, interoperable access point
 - Complements existing discipline-specific catalogues (PaN-Training, ELIXIR)
 - EOSC Nodes and clusters can have "spaces"



Funded by
the European Union



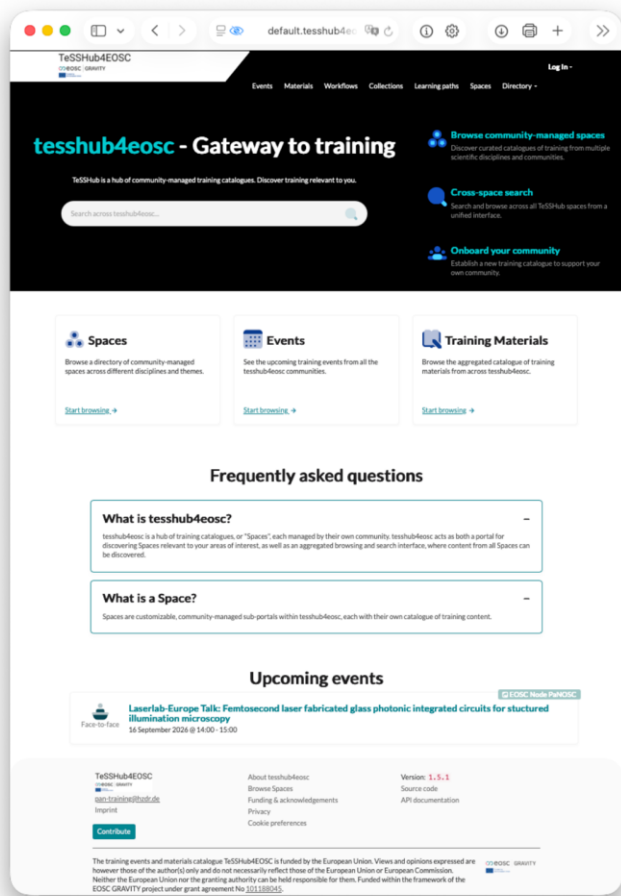
TeSSHUB4EOSC: Outcomes (1)



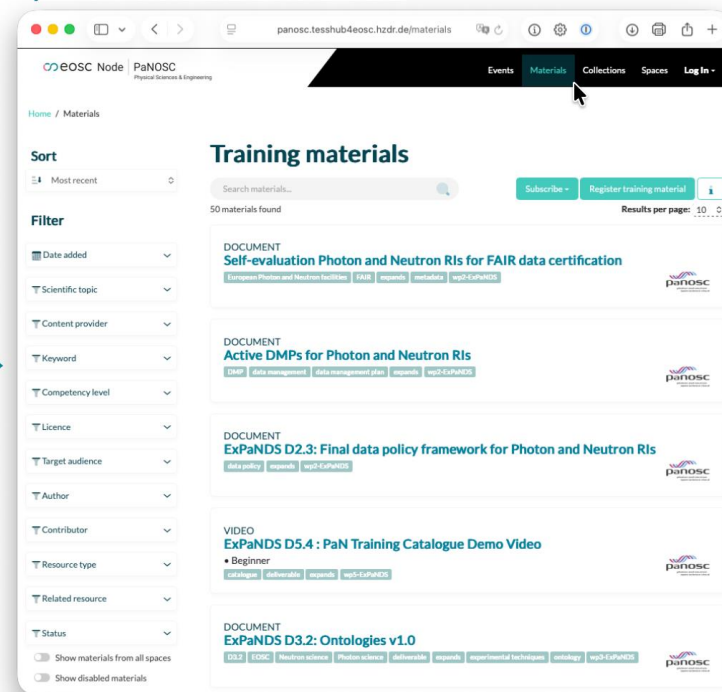
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Easily create spaces for training materials and events for EOSC Nodes





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Training Metadata (OAI-PMH)

Metadata is provided via a standardised interface and a defined set of metadata fields

Dublin Core	Can filter at TeSS exchange	Filter comment	TeSS Material property	TeSS Event property	Minimum metadata model 2026 Material
dc:type	matches		Resource type(s)	Event Type	Learning Resource Type
dc:title	matches		Title	Title	Title
dc:identifier	matches, prefix		URL	URL	URL, to Resource
dc:description	matches, content		Description	Description	Abstract/Description
dc:publisher			Contact	Contact	
dc:creator		Should add	Authors	Organizer	Author(s)
dc:subject	matches		Keywords	Keywords	Keyword(s)
dc:date			Date created	Start	Date Created
dc:date		Could add	Date modified	End	Date Modified
dc:contributor		Should add (with Author)	Contributors	Contributors	Contributor(s)* [see Author(s)]
dc:rights	matches		Licence		Licence
dc:identifier	matches		DOI	Identifier	DOI
	matches		Target audiences	Target audiences	
			Learning objectives	Learning objective	
	matches		Competency level		
7		Could add	Cost basis	Cost basis	
dc:language		Must extend	ALanguage	INLanguage	Primary Language
dc:subject		Must add	Scientific Topics	Scientific Topics	Scientific Topic(s) / Field(s) of Research
			Status		
			Version		
7		Should add	Content Provider	Content Provider	Content Provider

Metadata Schema

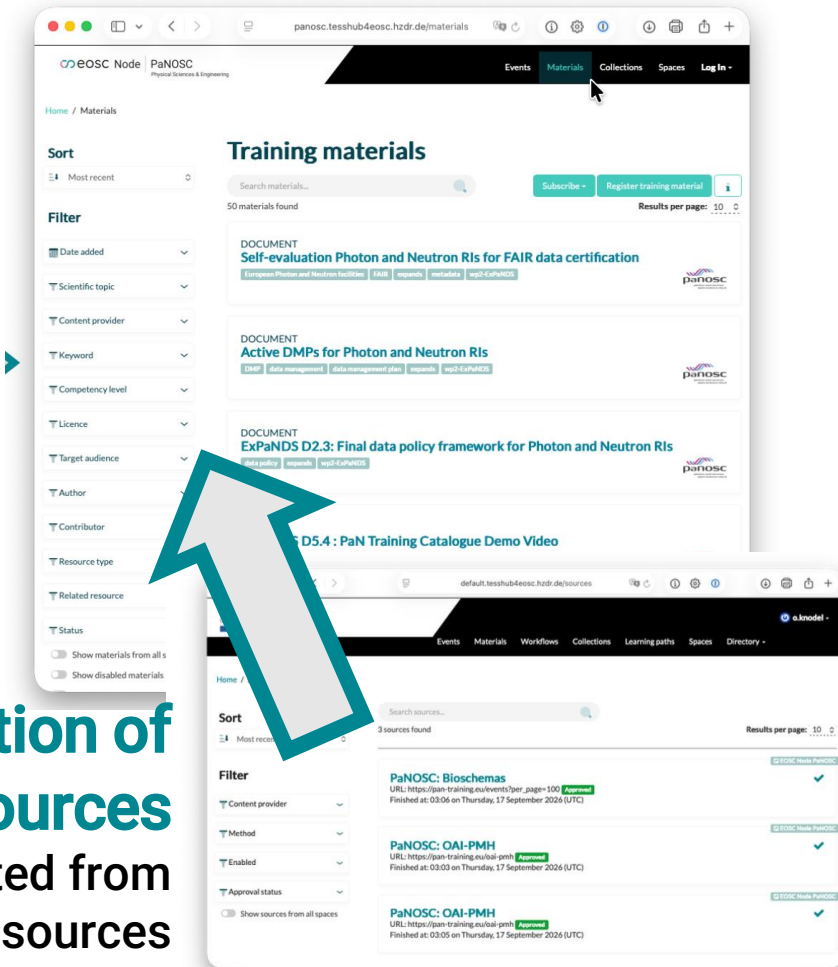
**In consultation with the EOSC
Working Group on Training &
Competencies**



Definition of Metadata Sources

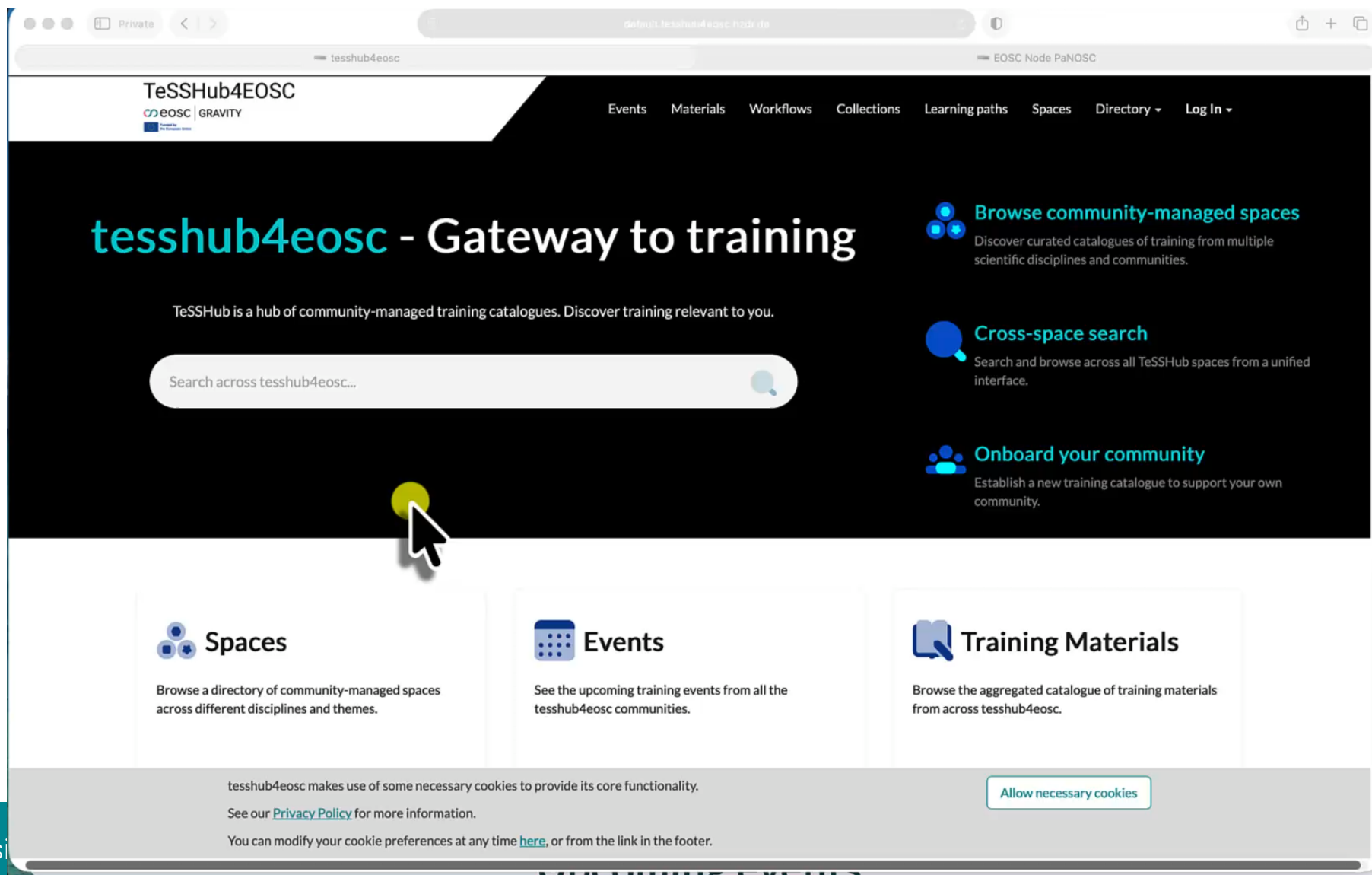
Metadata is collected from configurable third-party sources

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tesshub4eosc.eu – see it in action (**administrator view**)



The screenshot shows the TeSSH4EOSC administrator interface. At the top, there's a navigation bar with links: Events, Materials, Workflows, Collections, Learning paths, Spaces, Directory, and Log In. The main header features the TeSSH4EOSC logo and the text "Gateway to training". Below this, a search bar is present with the placeholder text "Search across tesshub4eosc...". To the right of the search bar, there are three featured sections: "Browse community-managed spaces" (Discover curated catalogues of training from multiple scientific disciplines and communities), "Cross-space search" (Search and browse across all TeSSH spaces from a unified interface), and "Onboard your community" (Establish a new training catalogue to support your own community). Below these, there are three more sections: "Spaces" (Browse a directory of community-managed spaces across different disciplines and themes), "Events" (See the upcoming training events from all the tesshub4eosc communities), and "Training Materials" (Browse the aggregated catalogue of training materials from across tesshub4eosc). At the bottom, there's a cookie consent banner that says "tesshub4eosc makes use of some necessary cookies to provide its core functionality. See our [Privacy Policy](#) for more information. You can modify your cookie preferences at any time [here](#), or from the link in the footer." with an "Allow necessary cookies" button.

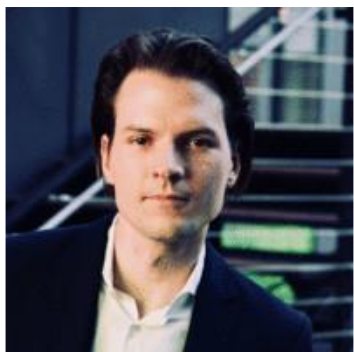
Directly strengthens the EOSC Federation

- **Lowers technical barrier for Nodes**
 - **Possible future option to advance EOSC strategic objectives**
 - **Curated, standardised metadata for EOSC Catalogue**
-
- **Lessons from the pilot**
 - **Open-source architecture enables incremental adoption**
 - **Roadmap for embedding TeSSHUB**

The TeSSH4EOSC team

Thanks to:

- EOSC Training & Competencies WG
- mTeSS-X Focus Group
- Gravity project: PATH2EOSCUK
- Nodes: PaNOSC, LSC, CERN, EUDAT



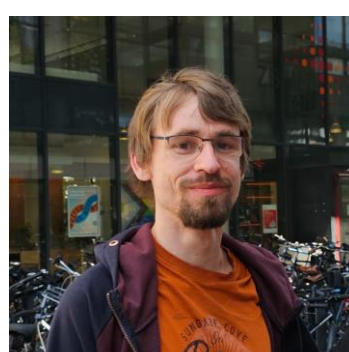
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Co-Lead, HZDR



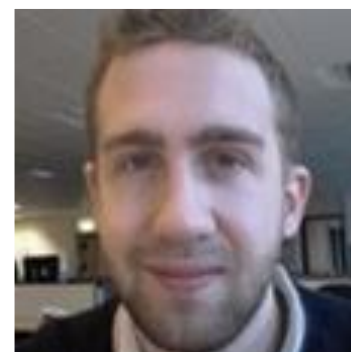
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