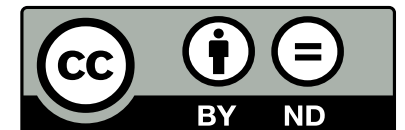


# **EOSC Future Knowledge Hub**

**Open Days 23-25 Nov 2021**

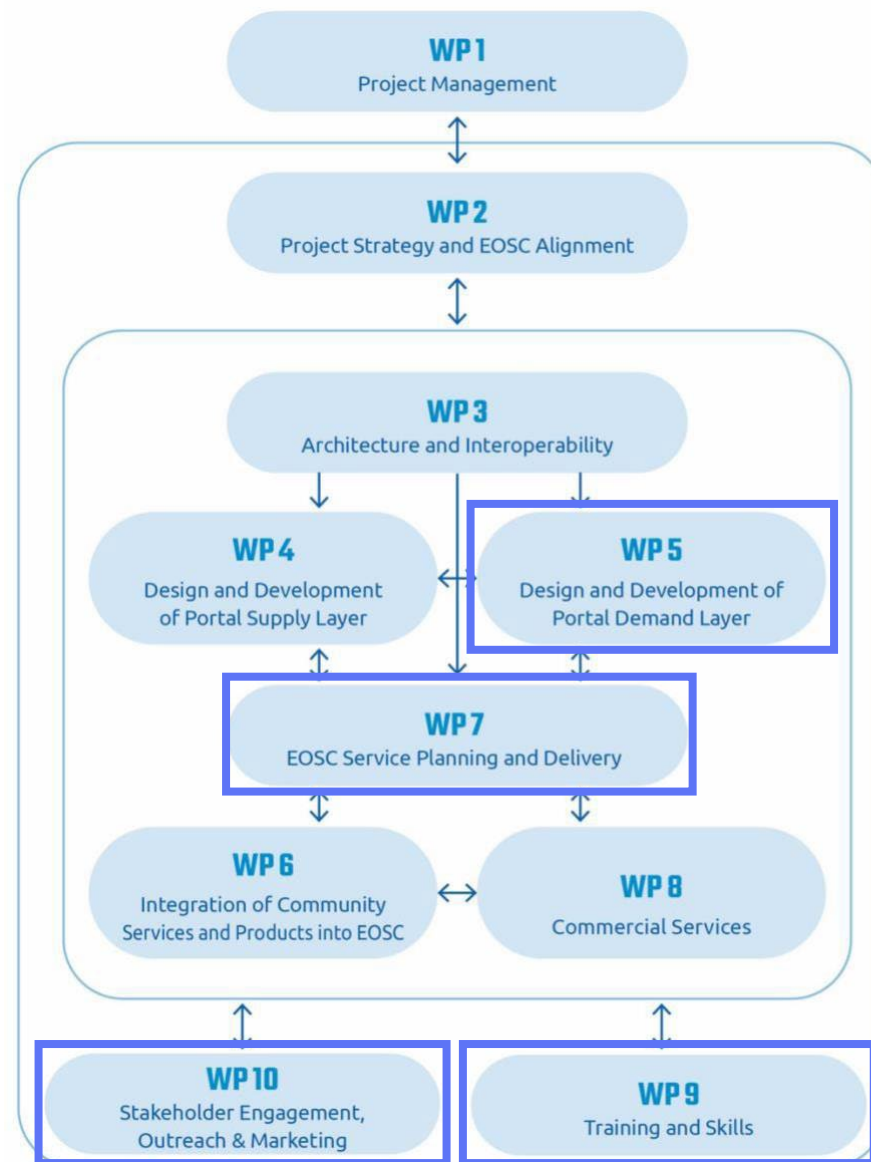
S. Venkataraman

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



# Overview

- Interactions with several other WPs:
  - WP5 – implementation of EOSC KH
  - WP7 – delivery of KH
  - WP10 – alignment and coordination of training activities
  - All WPs – understanding the various activities to better inform training requirements



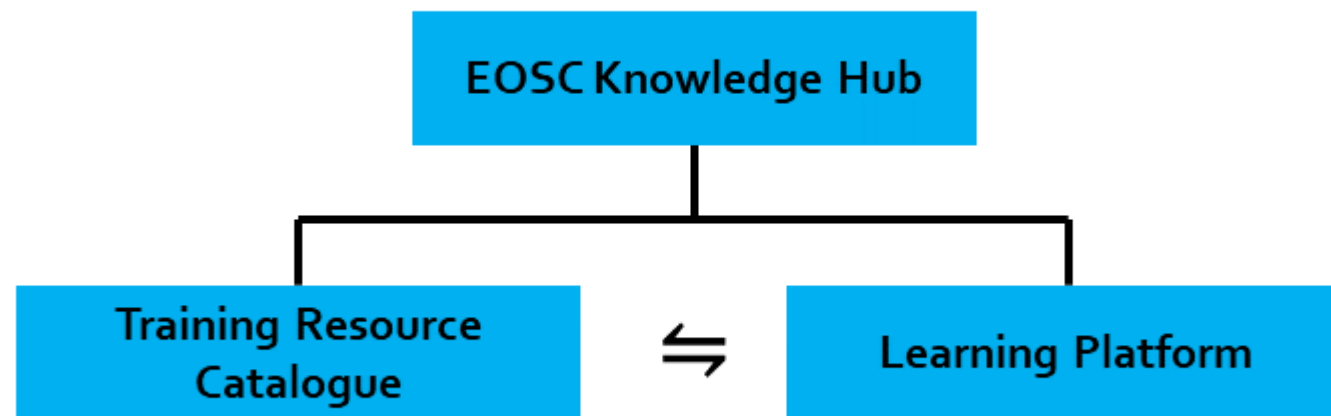
# Work in progress!

- Much of what will be described here is high-level overview
- A lot of what will be presented here can be found at the public wiki (<https://wiki.eoscfuture.eu/display/PUBLIC/Training+and+Skills+-+Kowledge+Hub>)






# How everything fits together

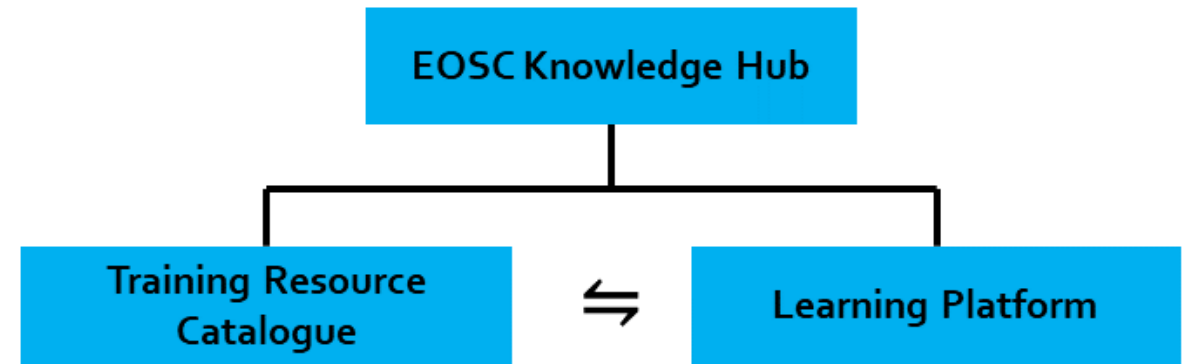






# What is the knowledge hub (KH)?

- Composed of a:
  - Training resource catalogue
  - Learning platform
- Community resource for all things related to EOSC training (and not just EOSC Future!)
- Initial specification completed through a deliverable
- It is aimed at five principal actors:
  - Consumers
  - Providers
  - Facilitators and intermediaries
  - Trainers
  - Project partners



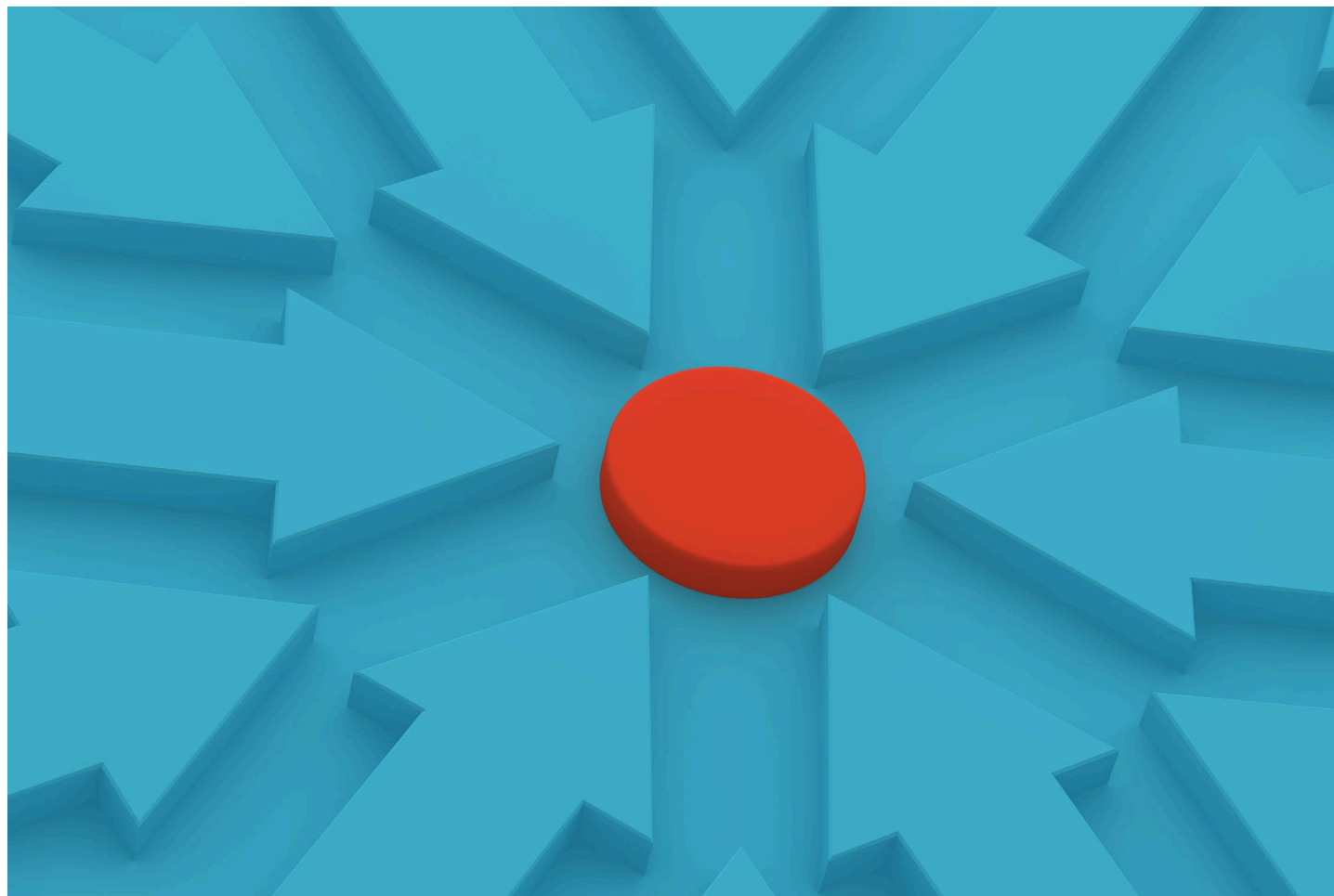
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# The Training Catalogue



# EOSC Training Catalogue

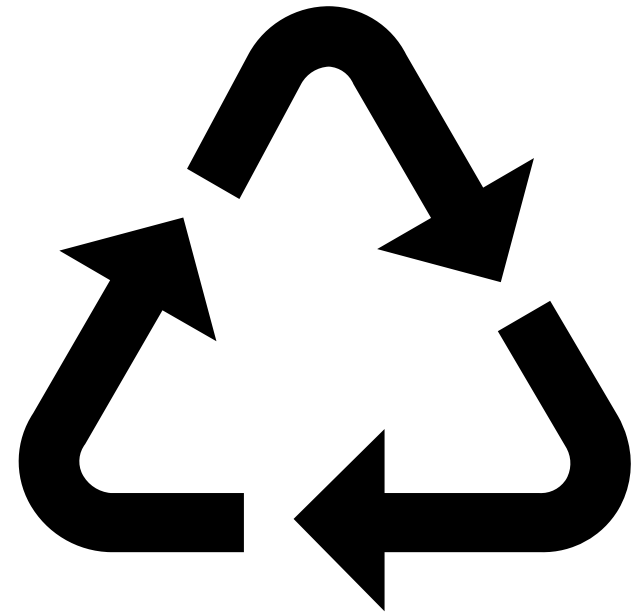
- Why is it needed?
  - Centralised resource – a “catalogue of catalogues”
  - Bring together disparate and scattered materials
  - Users can also upload their materials (as long as they comply with RoP!)
  - Curation is also a factor and a push to make materials FAIR





# EOSC Training Catalogue

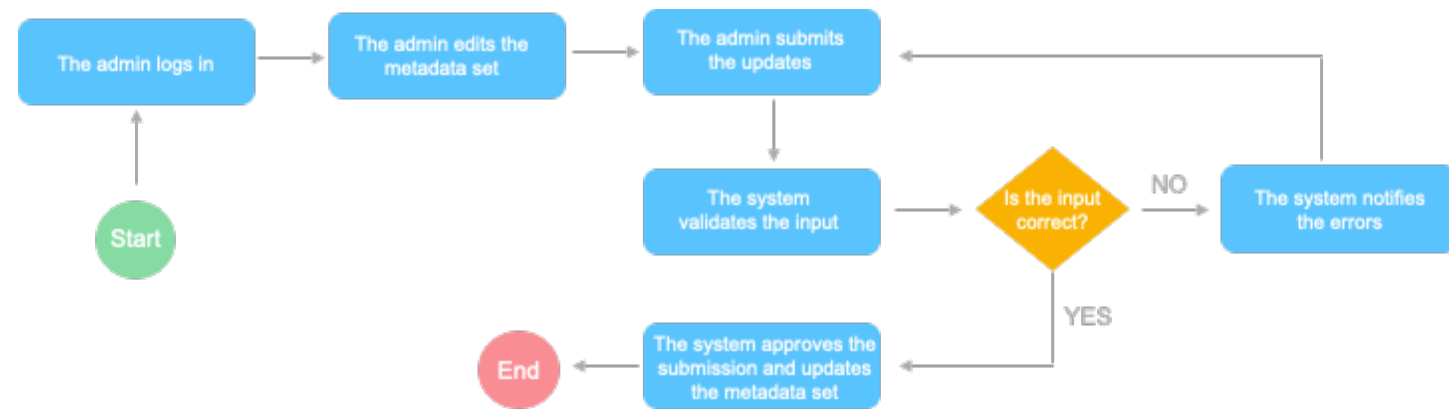
- We want to reuse existing materials as much as possible!
- (Fill in gaps in provision where necessary?)
- Some pilot material identified such as [EOSC-Pillar](#), [TeSS](#), [SSHOC](#), [DARIAH](#)



# Some examples of training catalogue user flows...

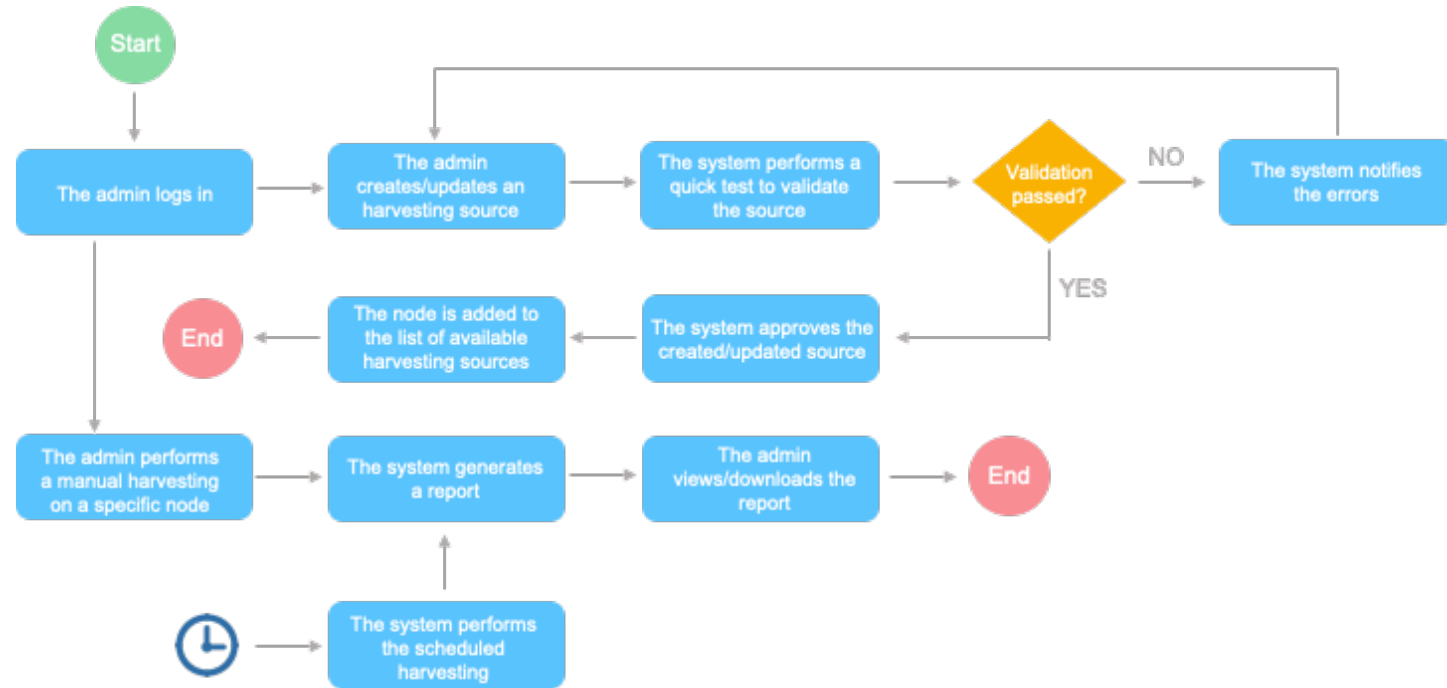
## Catalogue (1): Metadata specification

- Admins will be able to cross reference the minimum metadata requirements
- The system will allow validation of the input



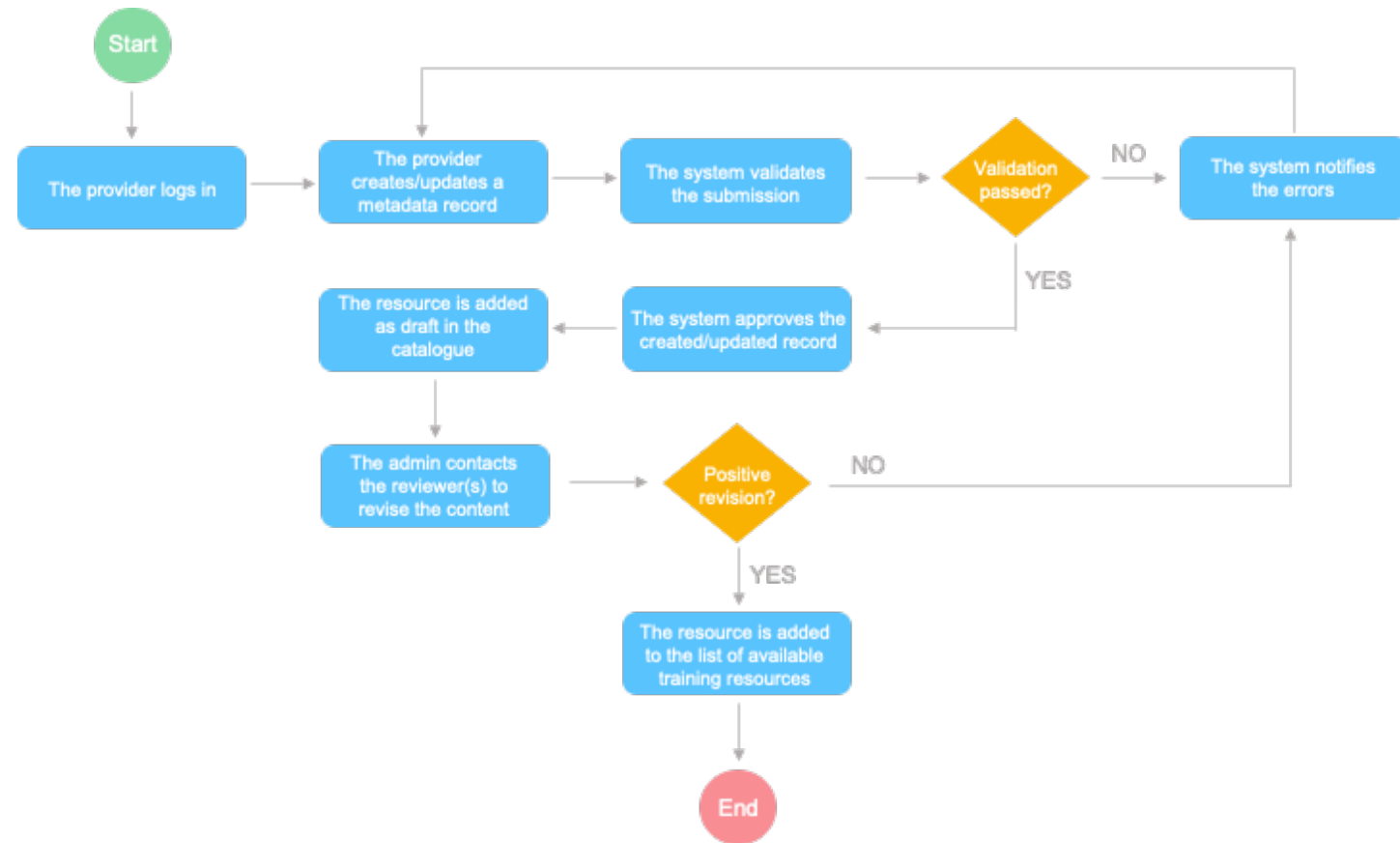
## Catalogue (2): Automated aggregation

- RoP compliant resources are curated by an admin
- System tests a subset of the resources for validation
- Manual harvesting possible too or scheduled automated harvesting

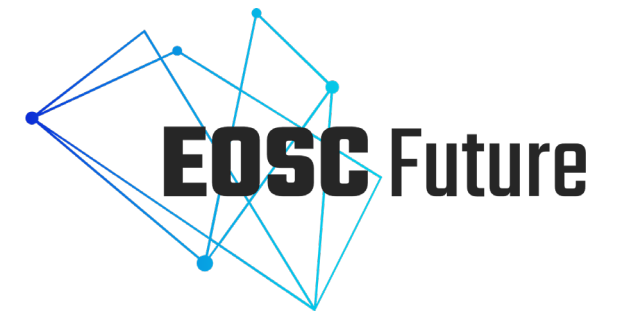
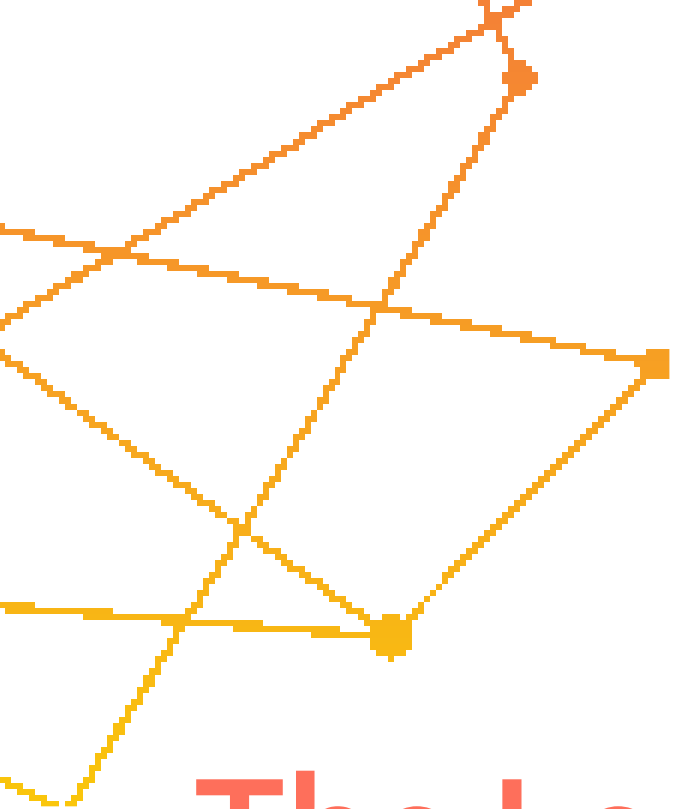


## Catalogue (3): Manual content creation

- For providers that don't have a training catalogue – they can manually create metadata following minimum metadata standards
- System validates new records
- Review step following this before inclusion in training catalogue





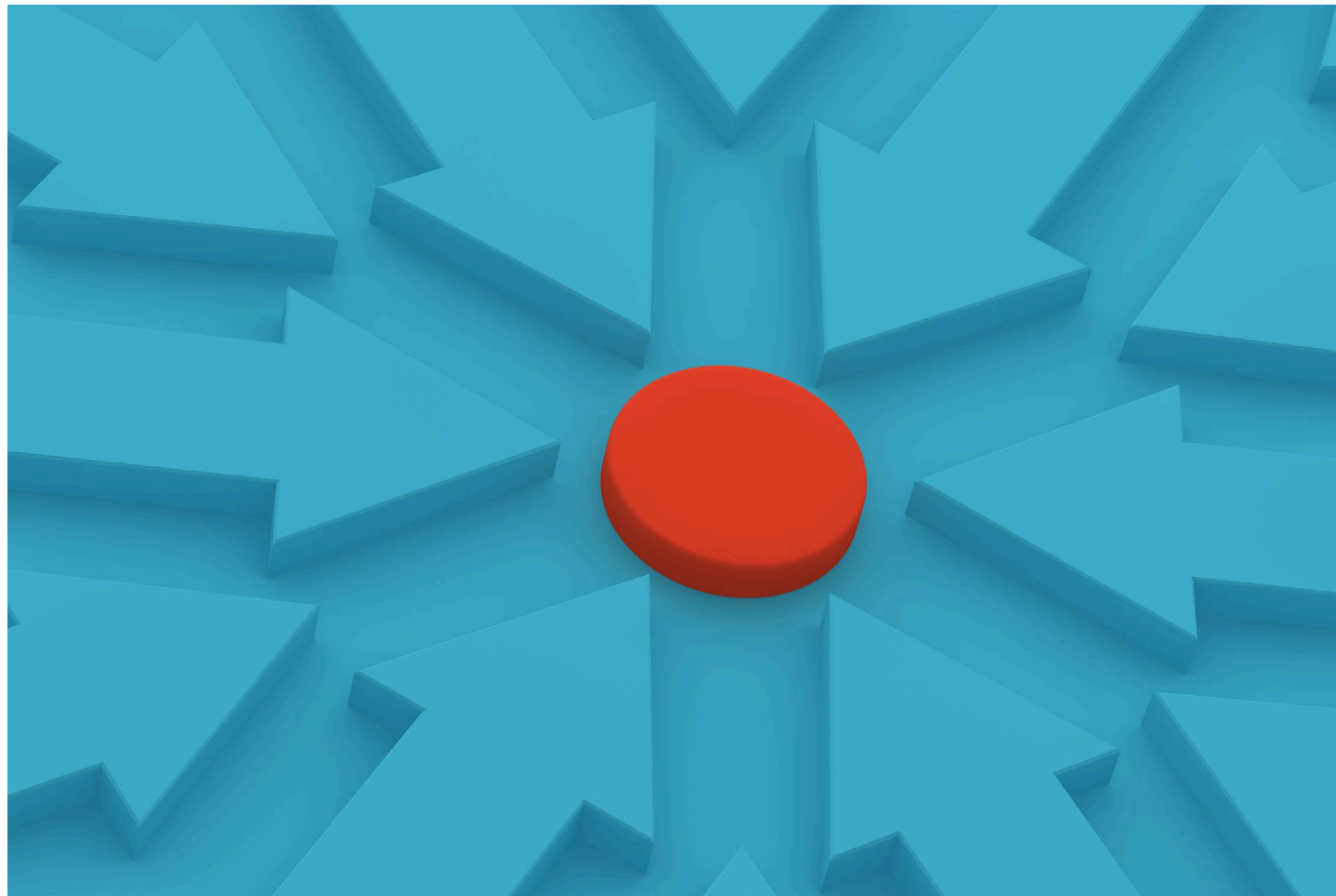


# The Learning Platform



# EOSC Training Platform

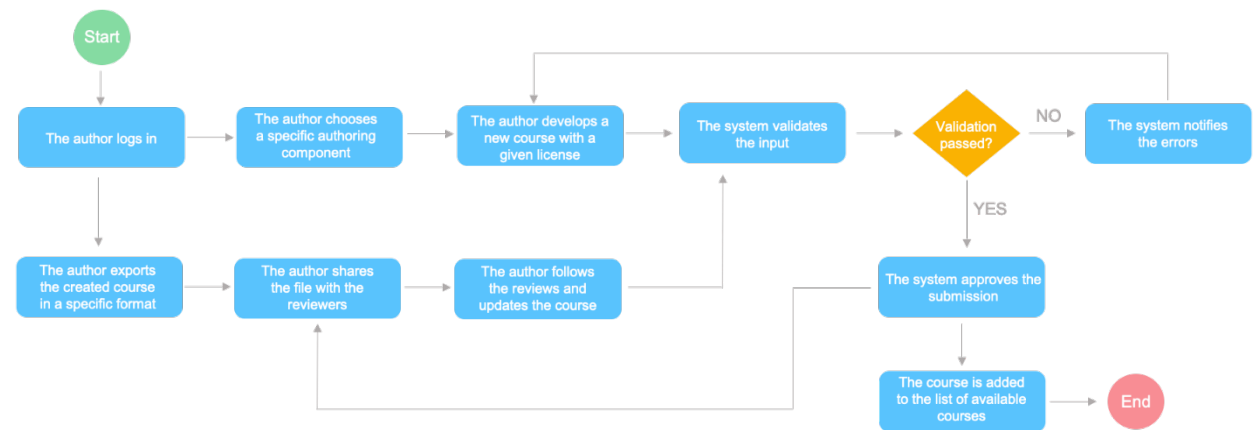
- Why is it needed?
  - Centralised resource – a learning management system (LMS) e.g. Moodle
  - Create courses and curricula with learning outcomes
  - Curation is also a factor and a push to make materials FAIR



# Some examples of learning platform user flows...

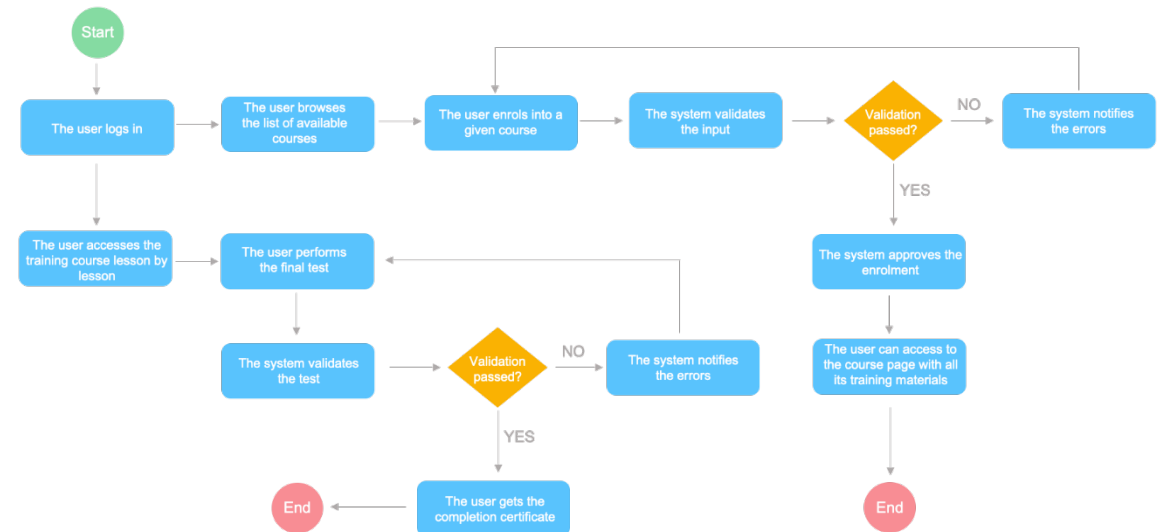
# Learning platform (1): Publishing capabilities

- Authoring tool – create interactive content in a variety of formats (e.g. PPT, PDF, HTML, etc)
- Targeted at course authors and instructional designers
- User can create content but not everyone will have access due to licences
- Content will undergo review process



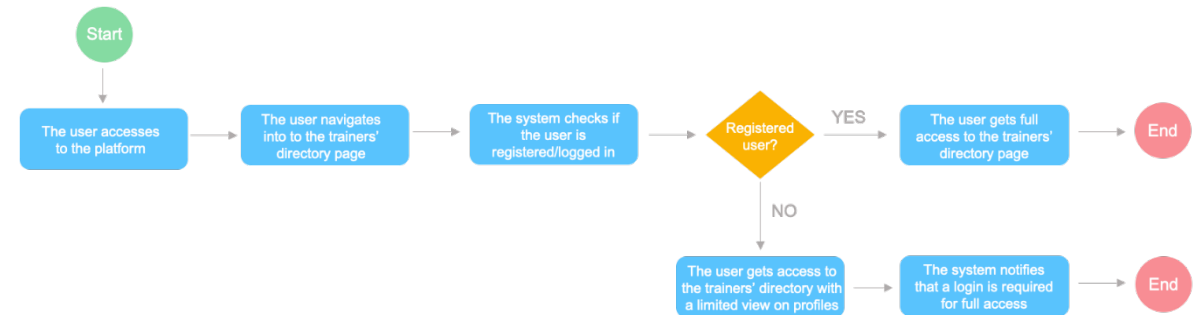
## Learning platform (2): User access

- Targeted at learners (users)
- Guided through a course from intro through lessons to eventual test(s) and completion certificate
- Will require user to login



## Learning platform (3): Access to trainers directory

- Targeted at registered users and admins
- Can view directory of trainers and their info (personal data, background, expertise, experiences, courses developed, contact details, etc.)
- Non-registered users will also have limited access



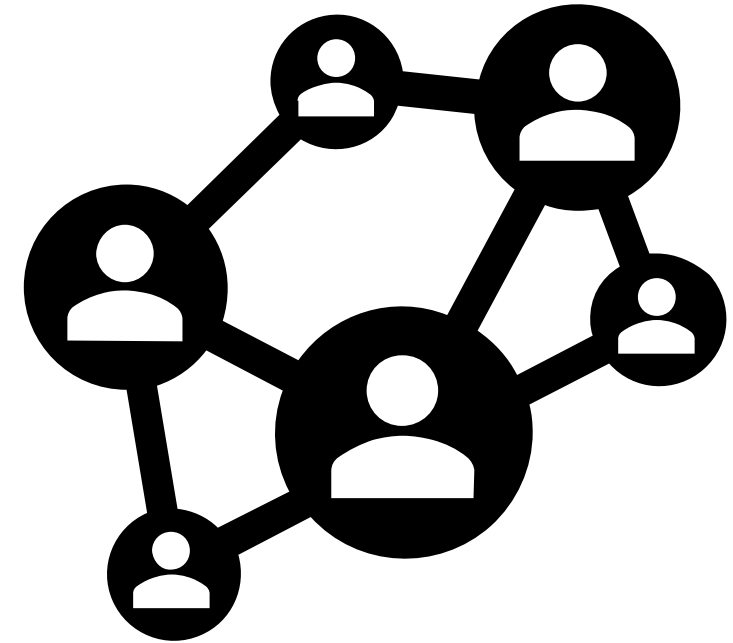
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# RoP and minimal metadata



# Rules of Participation (RoP) for training resources

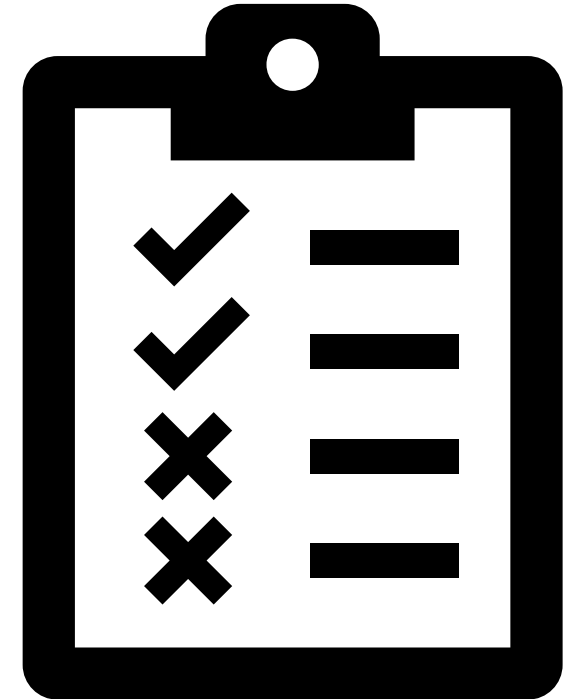
- RoP already exists at EOSC level (<https://eosc-portal.eu/for-providers>) and no special provisions necessary for training providers
- Training regarded as a service just like other listed services
- Resources need to meet a set of minimum requirements? – as described in the minimum metadata standards





# RDA ETHRD IG Minimal Metadata for Learning Resources

- From the [RDA interest group](#) work
- 14 fields identified:
  - 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.
  - Licence - A licence 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 characterises 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.



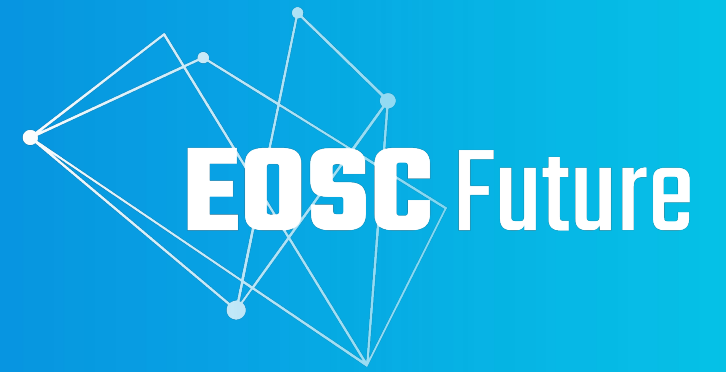


# Release plan

- Catalogue:
  - First beta by M14
  - Second beta by M16
  - Production release by M18
- Learning platform:
  - First beta by M16
  - Second beta by M18
  - Production release by M20 with following updates



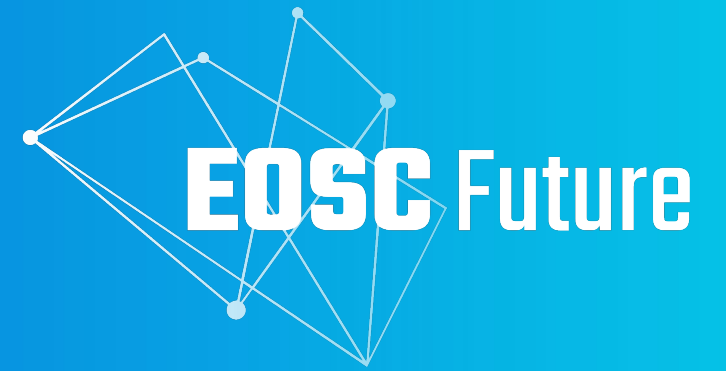




# Thank you for your attention

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# Get in touch

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