

Skiis  
4 eosC

- Skills for the European
- Open Science
- Commons

# FAIR Skills & Principles

WP2 T3

Supporting

eosc



UK Research  
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# Learning Objectives



Describe the FAIR-by-Design instructional design skills

Summarize the FAIR guiding principles

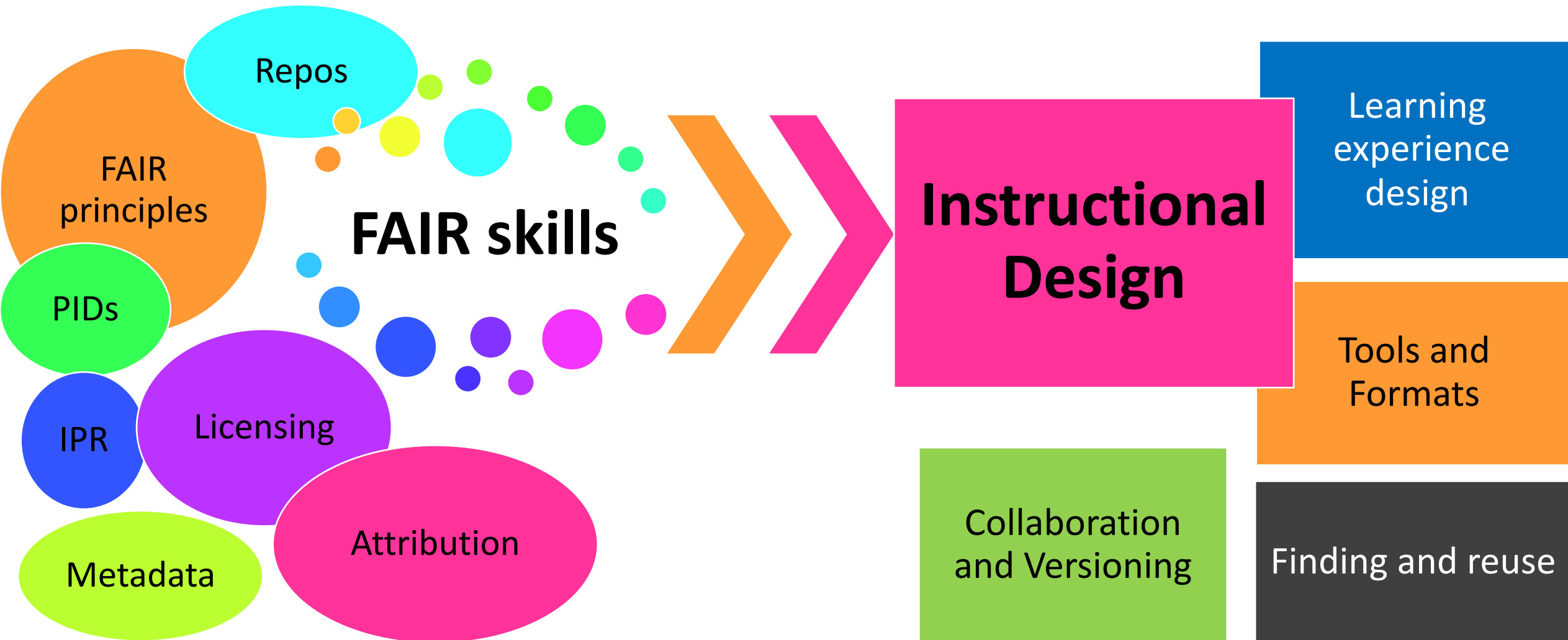
Define FAIR learning objects

Determine FAIRness of learning objects

# Agenda

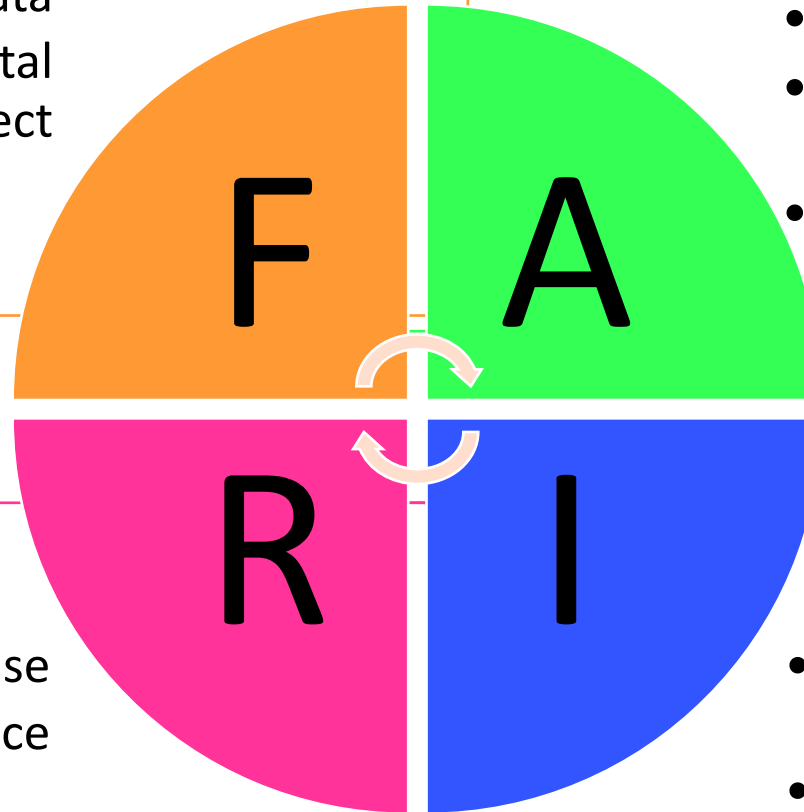


# FAIR Instructional Design Skills



# FAIR Guiding Principles

- object + sufficiently detailed descriptive metadata
- a unique PID points to the digital object

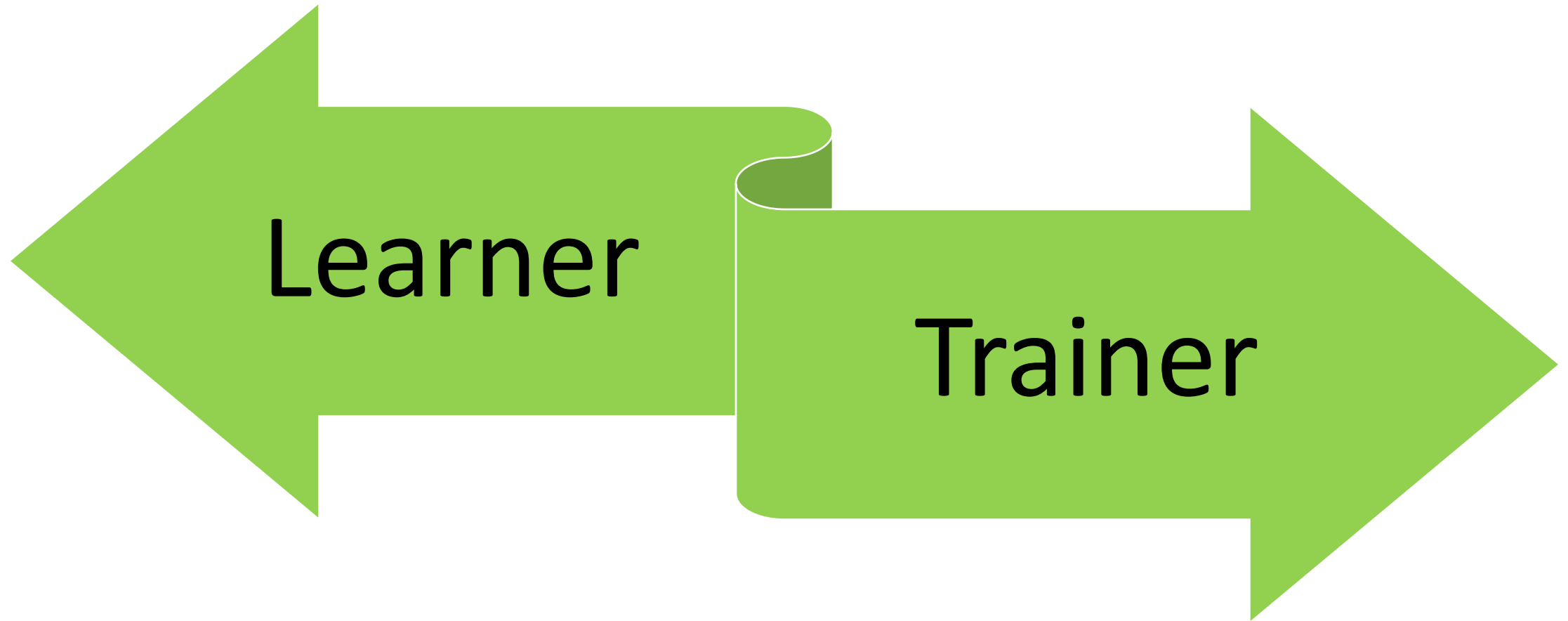


- for humans and machines
- store in a trusted repository
- clear authentication and authorization
- access to the digital object can be restricted, metadata is always open

- a clear usage license
- accurate information on provenance

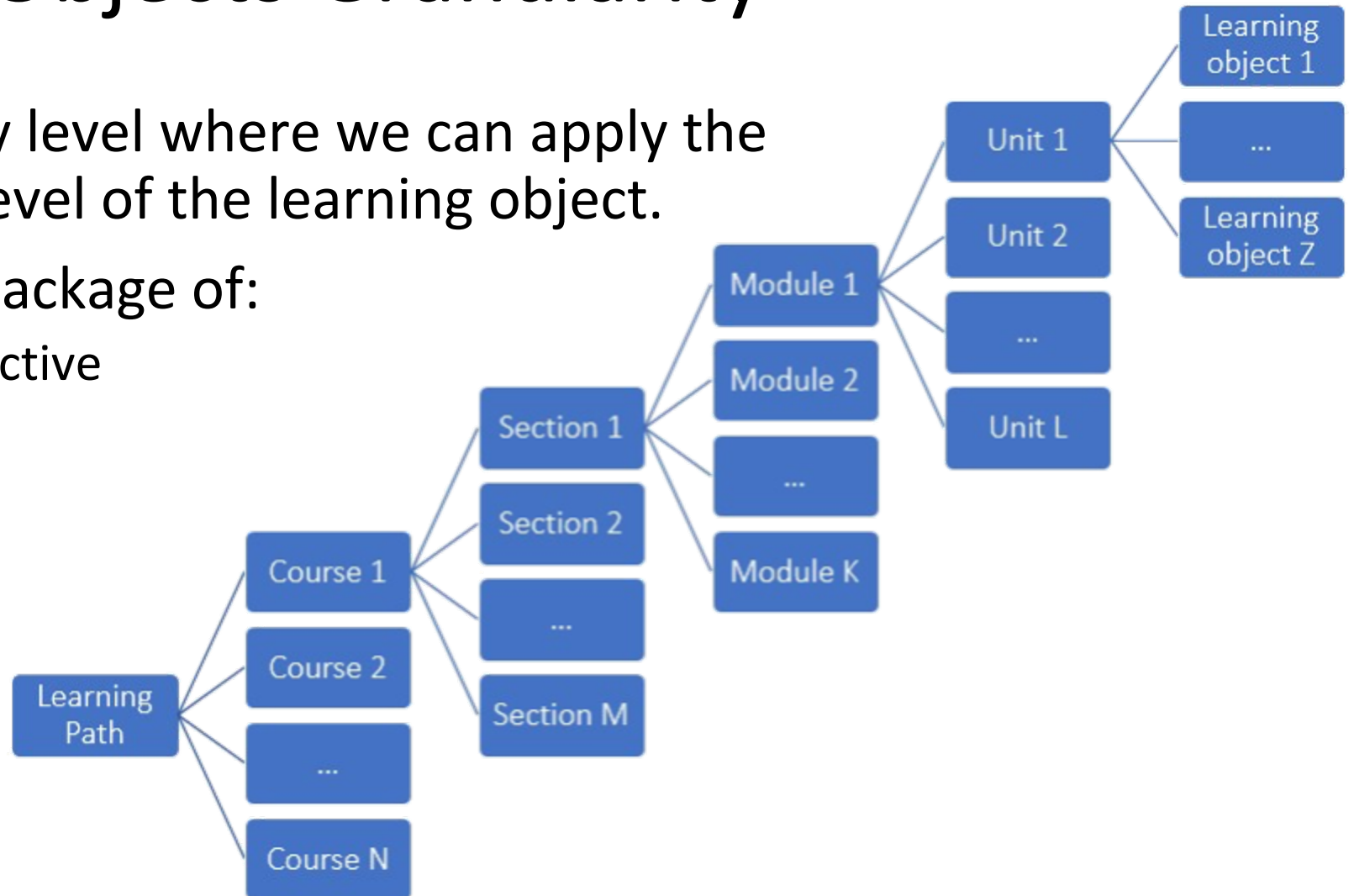
- common metadata schema with agreed-upon controlled vocabularies
- formal, accessible, shared, and broadly applicable language(s) and format(s)

# FAIR Learning Objects Perspective



# FAIR Learning Objects Granularity

- The highest granularity level where we can apply the FAIR principles is the level of the learning object.
- A **learning object** is a package of:
  - ✓ concrete learning objective
  - ✓ lesson plan
  - ✓ lesson content
  - ✓ one or more activities
  - ✓ assessment
  - ✓ facilitation guide



# FAIR Learning Objects ...



Contain learning content and information on tools and implementation resources

Have an explicit learning objective

Tend to be, but are not necessarily, small or granular in nature

Tend to be, but are not necessarily, disassociated from context

Are stored in a repository

Are described using a metadata specification

Are findable by searching a catalogue

Are interoperable in that they can be used in multiple learning environments

Are reusable by both other instructors and learners

Can be repurposed for different learning contexts

Are composable into aggregates

# FAIRness of learning resources

## Analyse the URL...

- Is it FAIR for learners?
- Is it FAIR for trainers?

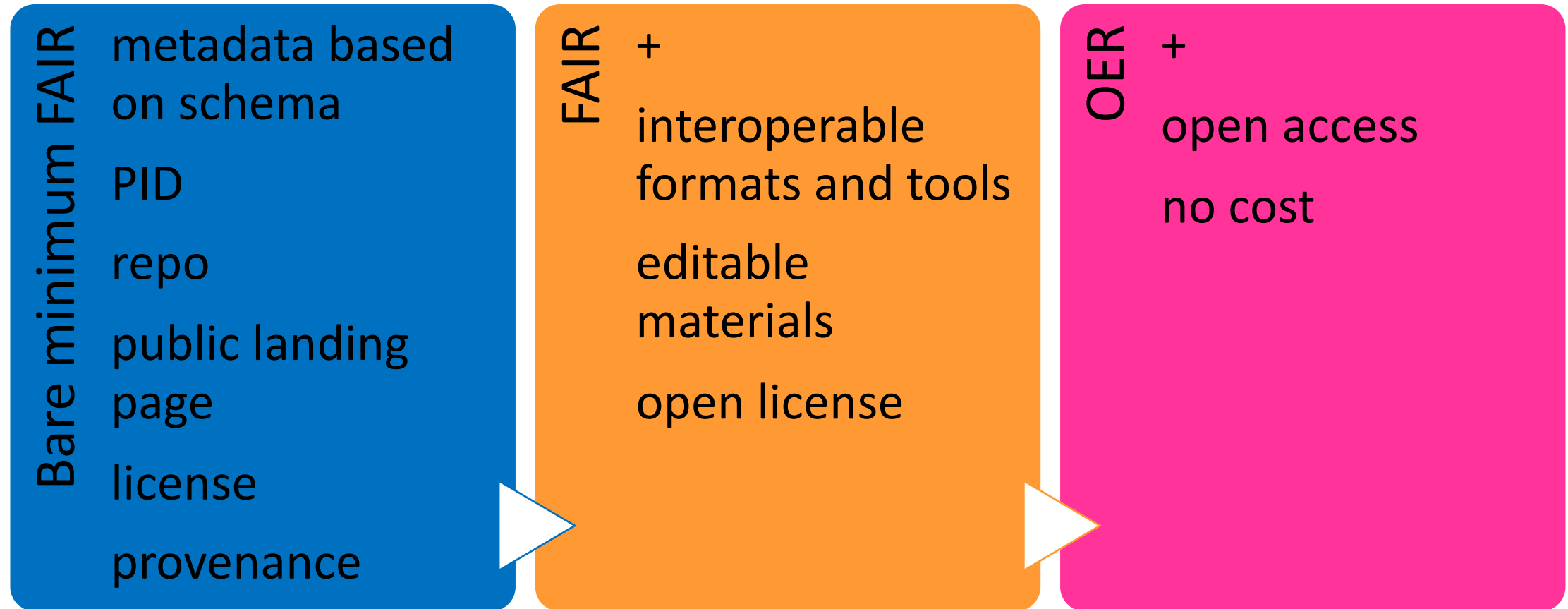
# FAIRness of learning resources cont.

What information is missing to make the material FAIR?

On what granularity level have you assessed the FAIRness?

What type of detailed information is needed so that you can perform a real FAIR assessment?

# FAIRness levels



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Supporting



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# Thank you!

## Any questions before we continue?

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