# FAIR & OPEN

TRAINING

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"

What you expect What you deserve

"

Findable:

Accessible:

nteroperable:





Shared in a findable platform Human and Machine findable Linked to metadata

Accessible:

nteroperable:



### Findable:



Accessible:

How to access (Download and use)

License or clear policy;

**Authentication (when necessary)** 

nteroperable:



Findable:



Accessible:



nteroperable:

Integrated data

Interoperable in different resources

Ideally general format compatible with many resources.







Accessible:



nteroperable:



Reusable:

Can be used/shared

Can be manipulated/processed

Can be analysed

as a whole or partially

#### WHY TO GO FAIR?



# FAIR principles How do you translate for the TRAINING MATERIAL context?



Findable:



Accessible:



nteroperable:







- Registered training
- Assign Unique persistent ID
- Keep in findable platforms
- Use schemas for machine findability









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- Assign Unique persistent ID
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- Define access rules
- Annotate your training materia
- Make metadata available







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- Can be used in different OS
- Possibility to edit and re-use
- Integrate in other resources







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- Can be used in different OS
- Possibility to edit and re-use
- Integrate in other resources



- Can be used/shared
- Can be modified

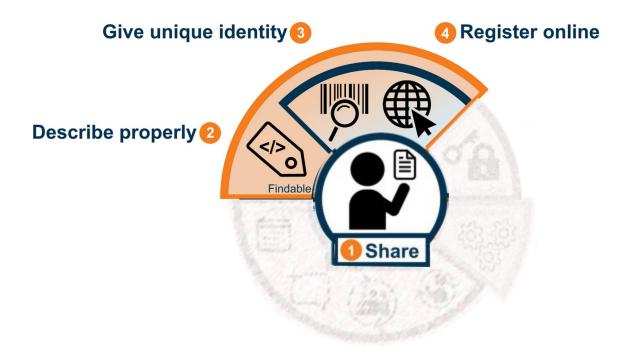
as a whole or partially

### 10 RULES FOR FAIR TRAINING

main goal



Make it findable





Make it findable

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#### Describe properly

Standard metadata annotation

Key words

**Audience** 





Schemas.org





Make it findable

Describe properly

Standard metadata annotation

Key words

Audience





Schemas.org



Give unique ID

Unique & Persistent (PID)

DOI



(digital object identifier)

ORCID (D)



(open research and contributor ID)

#### **PURL**

(persistent uniform resource locator)



Make it findable

**Describe properly** 

Standard metadata annotation

Key words

**Audience** 





Schemas.org



Give unique ID

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(digital object identifier)

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#### **PURL**

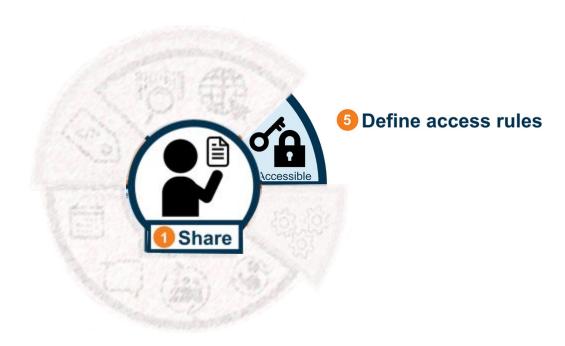
(persistent uniform resource locator)

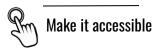
**Describe properly** 



- **Events**
- Material
- **Learning paths**







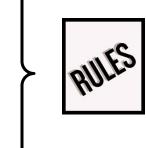
5 Define access rules



- License
- Clear policy
- Statement of use



- Request
- Authentication
- Paid



- Documentation
- Metadata
- Statement of accessibility

### 10 RULES FOR FAIRS TRAINING







#### 6 Mind the Format

- Used in different contexts
- (Re)-use
  - Fine-tune
  - Extend
  - o Edit
- Text material
- Presentations
- Videos
- Others





Make usable for trainees



Make it Reusable

7/8

#### Make reusable



License specifications for (re)-use



- Annotations
- Learning outcomes
- Prerequisites
- etc...



#### **Annotation of:**

- Audience
- Level
- Prerequisites
- Key words
- Version
- Authors
- Etc ...



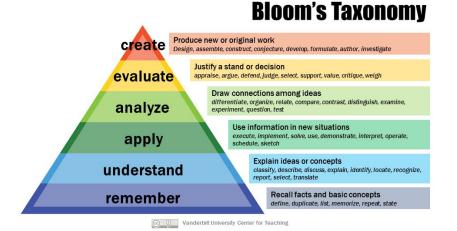
#### Annotate your slides

Slides need to be understandable without your presence















License specifications for (re)-use



- **Annotations**
- Learning outcomes
- **Prerequisites** 
  - etc...



Make it Reusable

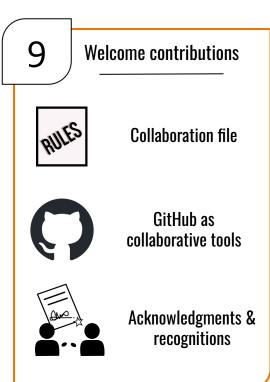




License specifications for (re)-use



- Annotations
- Learning outcomes
- Prerequisites
- etc...





Make it Reusable

Make reusable



License specifications for (re)-use



- **Annotations**
- **Learning outcomes**



**Welcome contributions** 



**Collaboration file** 



GitHub as collaborative tools



**Acknowledgments &** recognitions

10 Keep up to date



- **Trends**
- **Features**
- Resources version
- Etc ...

### All that is FAIR is OPEN and vice-versa

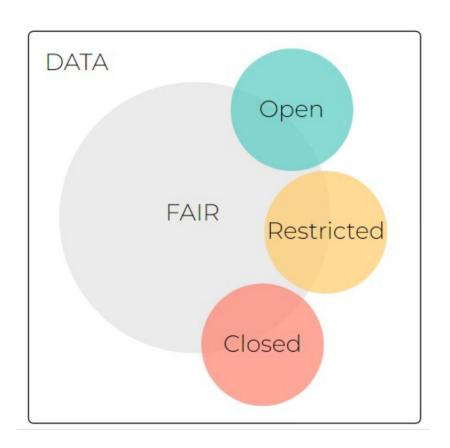


### **OPEN SCIENCE**

- Open and transparent access broad public
- Aiming reproducibility and re-use









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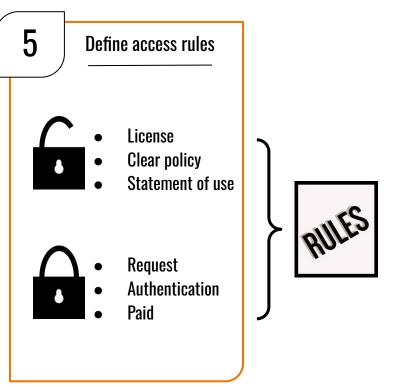
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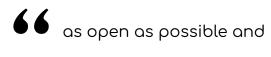
- Can be used in different OS
- Possibility to edit and re-use
- Integrate in other resources



- Can be used/shared
- Can be modified







as close as necessary.



- Author unknown-

### COURSE PROJECT: Create a FAIR 5 min training material

Your training challenges for the next sessions:

- Final goal:
  - Creating a FAIR material
  - Creating a 2 min course on a topic of your choice
  - Peaching this FAIR course material in the end of the course
    - 2 min to peach the course
    - 3 min to peach how you have achieved being FAIR
      - Show where you host the material

- Your course should have by the end of the workshop:
  - Documentation for training
  - Annotation of training material
  - Choosing a hosting system for the material
  - Defining Authorship
  - Including illustration
  - Make a FAIR video
  - Annotate metadata
  - Giving unique identifiers

### LET'S GET STARTED

