FAIR-by-design för kursmaterial:

lärdomar och exempel från SciLifeLab

16/12/2025

Ineke Luijten, PhD SciLifeLab Training Hub
Elin Kronander, PhD National Bioinformatics Infrastructure Sweden (NBIS)

SciLifeLab Training Hub

National training

SciLifeLab

Training Hub

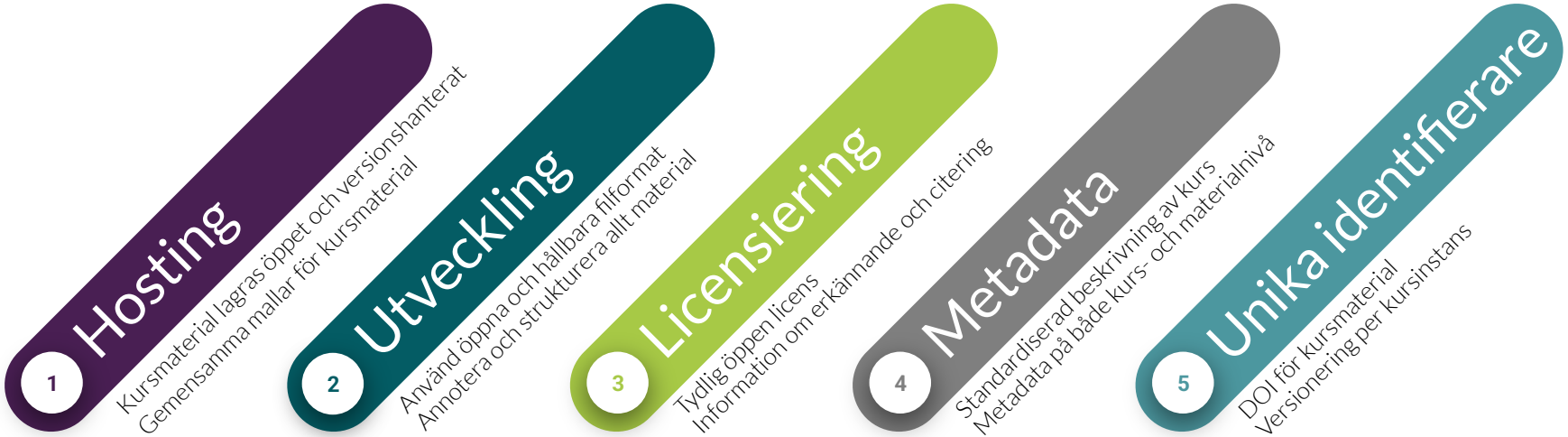
NBIS

ELIXIR

Varför FAIRifiera kursmaterial?

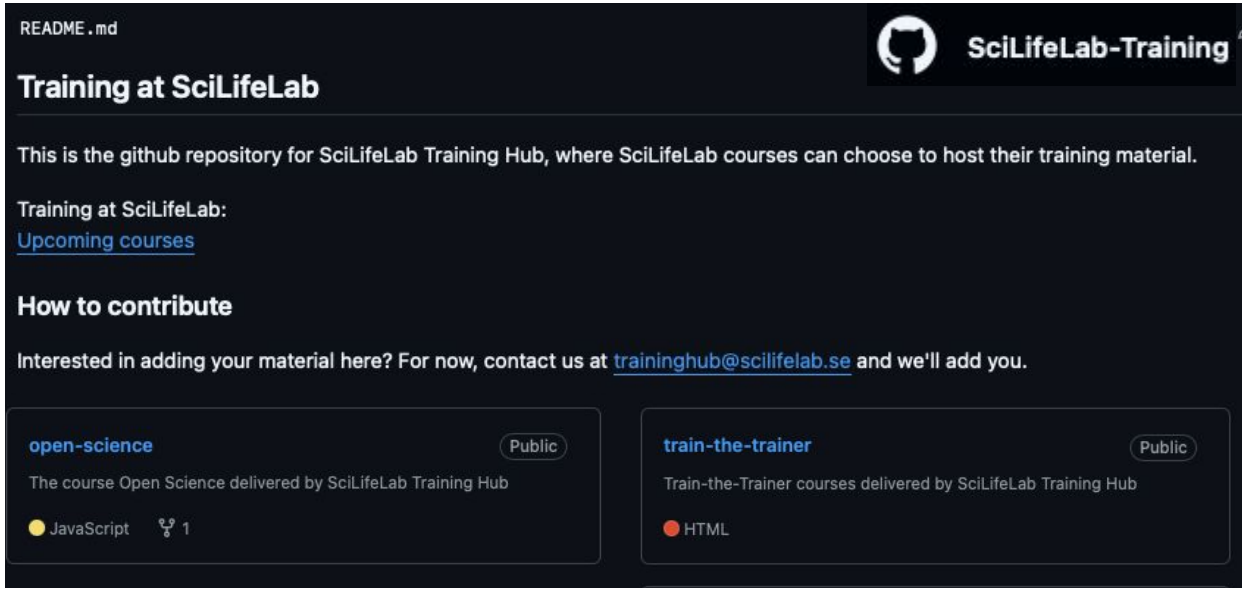
- ➔ Ökad räckvidd och större genomslag
- ➔ Mindre dubbelarbete
- ➔ Fri och kostnadsfri tillgång
- ➔ Anpassningsbart och återanvändbart innehåll

Vad innebär FAIR for kursmaterial?



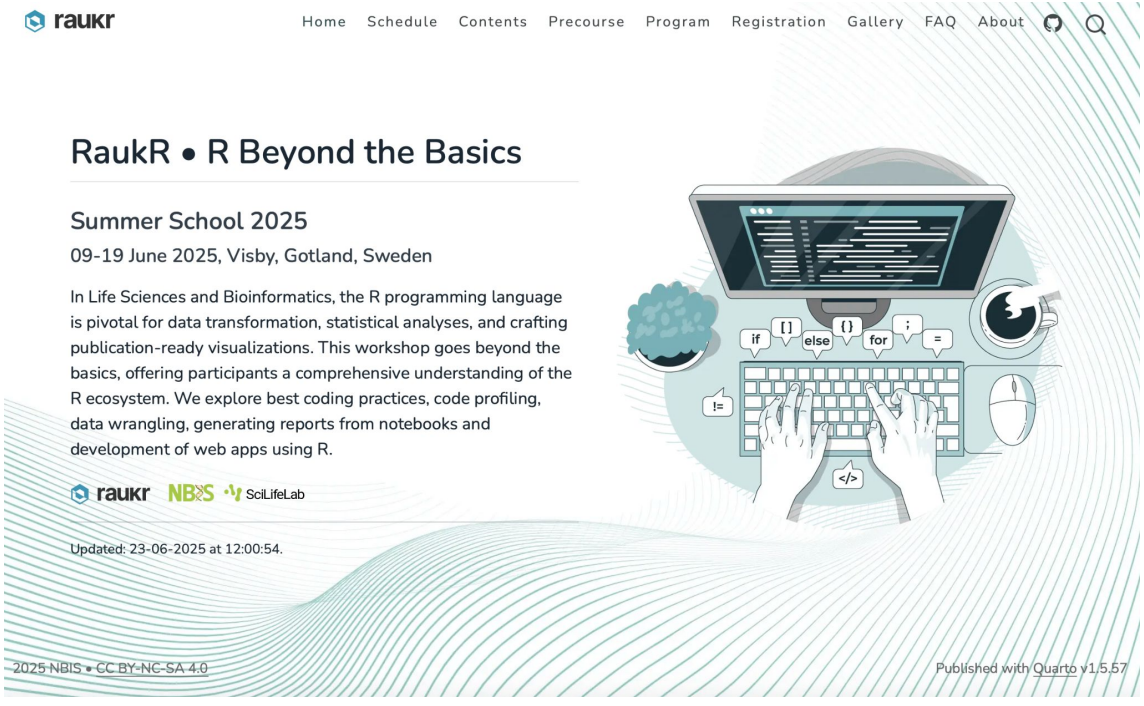
Vårt arbetssätt

1 Hosting



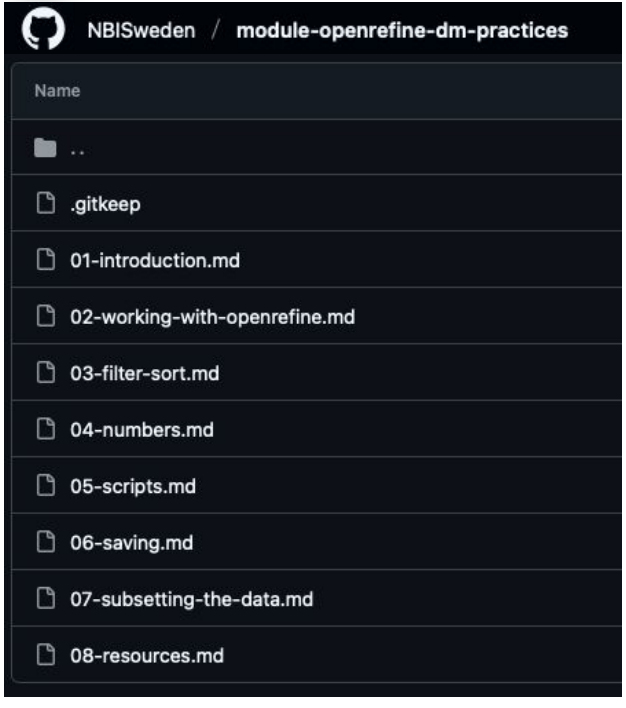
Vårt arbetssätt

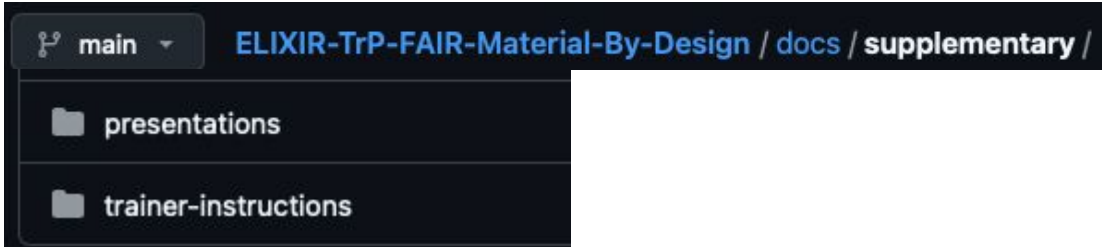
1 Hosting



Vårt arbetssätt

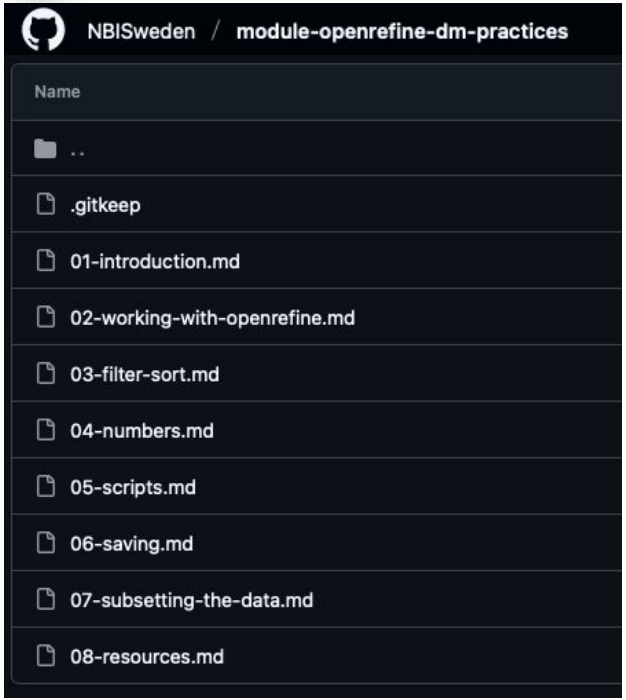
2 Utveckling

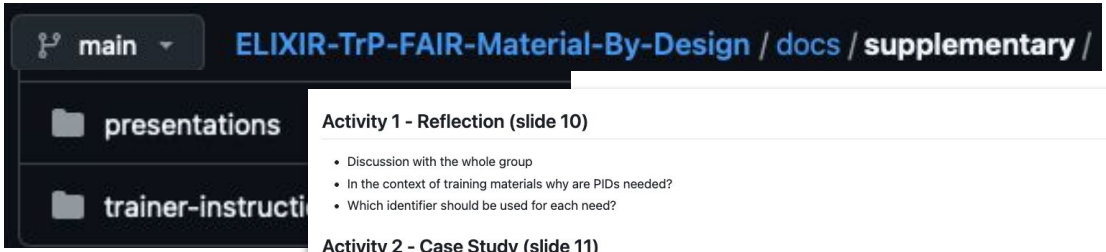




Vårt arbetssätt

2 Utveckling





Activity 1 - Reflection (slide 10)

- Discussion with the whole group
- In the context of training materials why are PIDs needed?
- Which identifier should be used for each need?

Activity 2 - Case Study (slide 11)

- Divide students in 3 groups (or more if needed)
- Assign each group a use case
- Group discussions for 10 minutes
- Plenary discussion for 10 minutes (more time will be needed if you have more groups but if there are 2 groups with the same use case group 1 can summarize the strategy and group 2 can share their pros and cons, then group 1 can be invited to add any additional pros and cons thay discussed)

Instructions to students: You will discuss one use case per group and then share this with the rest of the groups.

- Assign someone to take notes in the shared document
- Read the use case and discuss benefits and drawbacks of the strategy used inyour use case
- Write down short summary of the strategy and the pros and

Preparations:

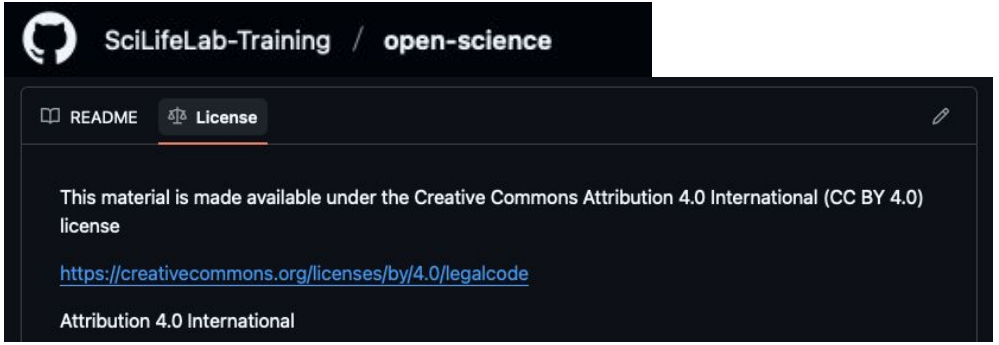
- In the collaborative notes document: Link to the use cases, sections for each group to write in

Activity 3 - Reflection (slide 15)

- Individual reflection that might be left as an "after the course homework" depending on time.
- If this is taught in a context where several ppl are from the same team or organisation it might be useful to do this as a group discussion.

Vårt arbetssätt

3 Licensiering



SciLifeLab **Open Science in the Swedish context**

Author(s): Elin Kronander

License: CC BY 4.0

DOI: https://doi.org/10.17044/scilifelab.29352653.v2

Citation: Kronander, E. (2025). *Open Science in the Swedish context - Open Science in the project lifecycle: access and reuse.* NBIS. DOI: 10.17044/scilifelab.29352653.v2

Download: View in Google Slides I Make a Copy

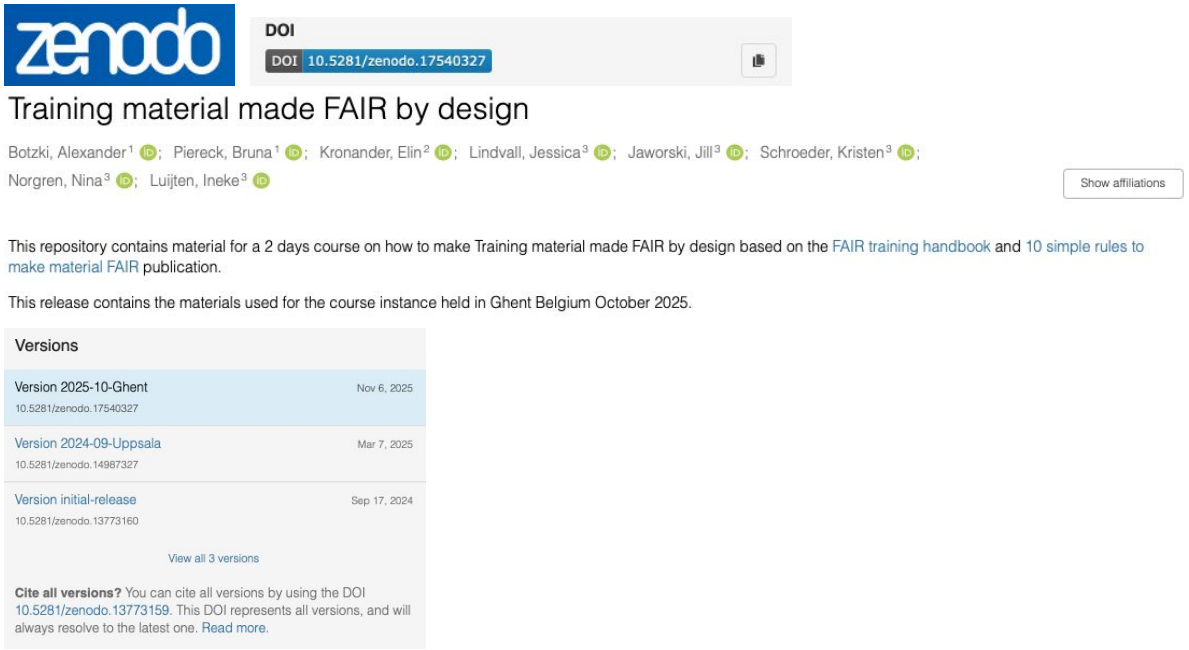
Vårt arbetssätt

4 Metadata

Type	Heading	BioSchema property	What to include
Descriptive	Title	name	Human readable title of the OER
	Description/abstract	description / abstract	A brief synopsis/description of the OER
	Language	inLanguage	Language in which the OER was originally made available
	Authors	Author / creator	Author(s) name(s), affiliation(s) and ORCID(s)
Access	URL to OER	URL	URL that resolves to the OER or to a landing page for the OER that contains important contextual information including the direct resolvable link to the resource.
	DOI	identifier	DOI assigned to the OER
Educational	Learning outcomes	teaches	Description(s) of what knowledge, skills or abilities a learner should acquire on completion of the resource (SMARTIE format)
	Structure and duration	timeRequired	Description of the structure of the materials and setting in which to deliver them, including the time allocated to each part (lectures, exercises, etc.)
Reuse	Licensing and (re)use details	license	License under which the materials are shared, and rules and conditions for (re)use and contribution. (dropdown menu with common ones)
	Preferred citation	citation	Instructions on how to cite your material.

Vårt arbetssätt

5 Unika identifierare



zenodo

DOI

DOI 10.5281/zenodo.17540327

Training material made FAIR by design

Botzki, Alexander[1]; Piereck, Bruna[1]; Kronander, Elin[2]; Lindvall, Jessica[3]; Jaworski, Jill[3]; Schroeder, Kristen[3]; Norgren, Nina[3]; Luijten, Ineke[3]

Show affiliations

This repository contains material for a 2 days course on how to make Training material made FAIR by design based on the FAIR training handbook and 10 simple rules to make material FAIR publication.

This release contains the materials used for the course instance held in Ghent Belgium October 2025.

Versions

Version 2025-10-Ghent 10.5281/zenodo.17540327	Nov 6, 2025
Version 2024-09-Uppsala 10.5281/zenodo.14987327	Mar 7, 2025
Version initial-release 10.5281/zenodo.13773160	Sep 17, 2024

View all 3 versions

Cite all versions? You can cite all versions by using the DOI 10.5281/zenodo.13773159. This DOI represents all versions, and will always resolve to the latest one. Read more.

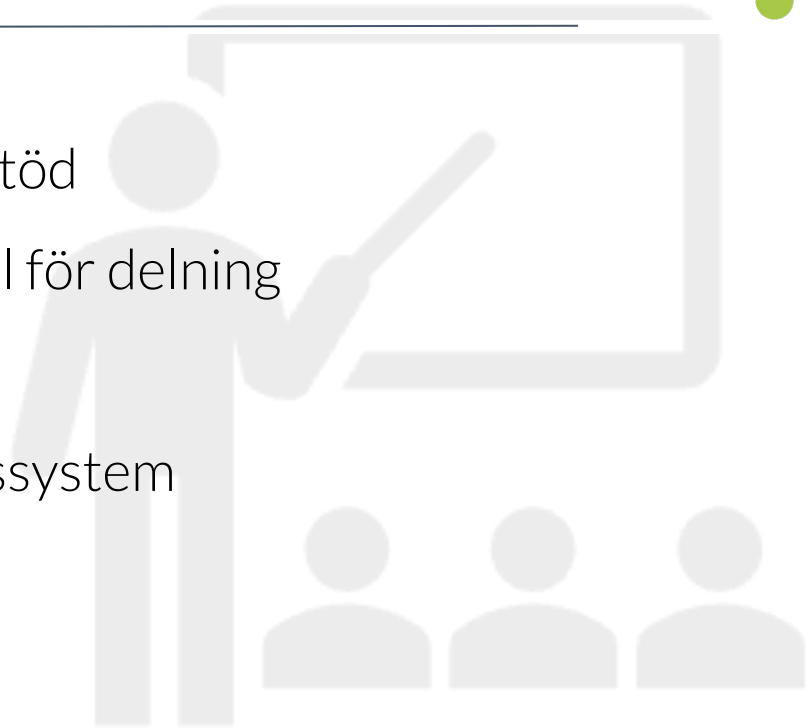
Vårt arbetssätt

5 Unika identifierare

figshare
SciLifeLab Data Repository

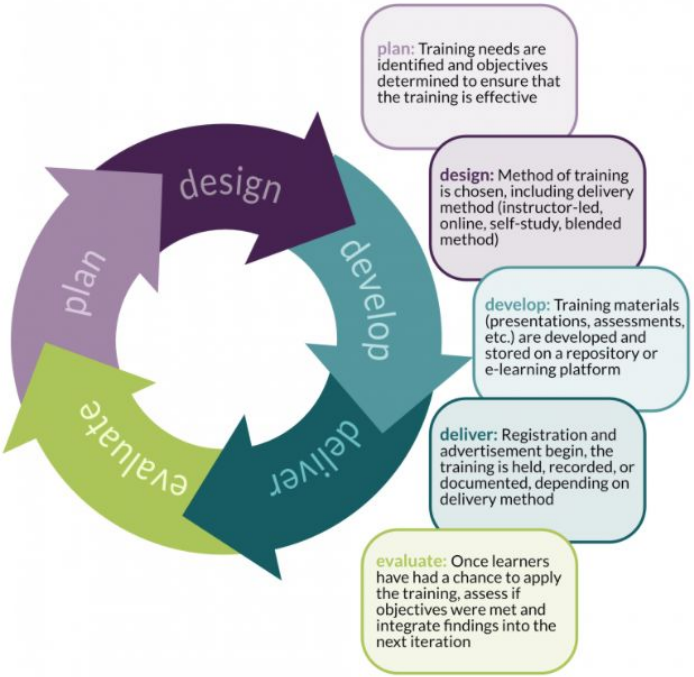
Utmaningar

- Brant inlärningskurva – mallar ger stöd
- Tidskrävande att förbereda material för delning
- Ingen lösning som passar alla
- Begränsat erkännande i meriteringssystem



Behöver du stöd i FAIRifiering av kursmaterial?

Kontakta oss på: traininghub@scilifelab.se



SciLifeLab

Exempel och resurser

Kurser som nämnts i denna presentation

Training material made FAIR *by design*

RaukR - R beyond the basics

Introduction to data management practices

Open Science in the Swedish context

Övriga resurser

ELIXIR FAIR training handbook

10 simple rules for making training materials FAIR

ELIXIR Template for course page (MKDocs - GitHub pages)

SciLifeLab Template for course page (Quarto - GitHub pages)