Skills 4 eosc

- Skills for the European
- Open Science
- Commons

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Content Mix

WP2 T3

Learning Objectives

Develop new learning materials utilizing Markdown and template documents

Manipulate existing learning objects, making them compliant with the FAIR-by-Design methodology

Define slides in an open format

Agenda

Introduction to Content Reuse → **Editing files in Markdown** → **Creating lesson plans, activities, assessments**

Introduction

- Reusing existing learning materials as an important aspect of FAIR-by-Design

- Important questions
  - Quality
  - License compatibility
  - Attribution
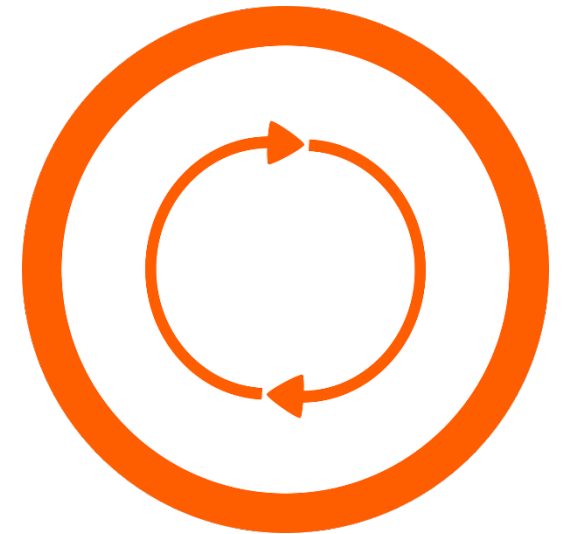
- Adapting the content using the Markdown templates

Image by tFity from Pixabay

Readiness Check

- Tie together concepts from previous stages

- Content discovery, reuse, licensing, attribution, markdown formatting

- Assume that appropriate content for reuse already discovered in Stage 2

- License compatibility and attribution established in Stage 3

- Next step: incorporate the content into the training, following the FAIR-by-Design methodology

Image by WikimediaImages from Pixabay

The Road Ahead

- ~~Create a lesson plan~~ – done as part of the previous exercise

- Create an activity

- Create an assessment

- Modify the existing content, making it compliant with the provided Markdown templates

Assessments

- An assessment template is provided in the *templates* repository
- Questions written in the open GIFT format
  - Plain text format
  - Third-party tools and generators exist as well
  - [Moodle Cloze and GIFT Code Generator v4.01](#)
  - Moodle exports
- Can be directly imported into the Skills4EOSC learning platform

Activities

- An activity template is provided in the *templates* repository

- Free text

- Placeholder sections to be filled out
  - Summary description
  - Duration/number of participants/goals
  - Required materials (digital/physical equipment)
  - Instructions to conduct the activity
  - Tips and tricks for trainers
  - Related sources

Adapting Existing Content

Source format can vary: .md, .pdf, .docx…

Editing the learning unit template, filling out necessary sections

Adding Markdown metadata in the header

Adapting the source content to be compliant with the base Markdown specification

Observing Changes

- Iterative process

- Committing the changes

- Pushing the files to GitHub

- The Git book publishing workflow is started automatically

- Verifying the content using the Git book URL

Image by Rudy and Peter Skitterians from Pixabay

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Content Mix in Practice

You have been tasked to develop a new course on the topic of Open Data. As part of your existing efforts, you have discovered "Lesson 5: Planning for Open Data", by OpenSciency (https://github.com/opensciency/OpenData/blob/main/lessons/lesson5.md). It is your task to adapt this learning unit, following the FAIR-by-Design Methodology

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Decisions, Decisions…

Take a moment to look at the document and skim it.

Is it possible to reuse it in the context of your new learning unit on open data?

Is its license compatible with your other training materials and can it be reused?

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Get Down to Business (1)

Rename the Learning Unit directory in Obsidian

Download the raw Markdown file locally, to your Git repository.

(Obsidian -> Right click on the Learning Unit directory -> Show in system explorer)

Get Down to Business (2)

Add the missing sections to the downloaded Markdown by copying them over from the template

Fill in the metadata in the Markdown header. Fill out the rest of the information in the template

Run Through the Finish Line

Using the provided templates, fill out the information regarding the Activities and Assessments

Commit and push the changes using GitHub Desktop. Preview the live Git book website for any formatting errors

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Thank you!
Any questions before we continue?

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