Implementing FAIR principles within the Life Sciences – build micro-learning sequences

Eliane BLUMER, Mathilde PANES, Fantin REICHLER, EPFL Library

Agenda of the workshop
Introduction
Experience sharing: FAIR in the life sciences
What’s Microlearning? Some examples
Your micro-learning concepts: let’s get to work
Release party / Carousel
Wrap-up

This presentation is available here: https://go.epfl.ch/eahil

EPFL Library & Research Data trainings & Life sciences
Research Data Teaming
Training offer
Liaison with the School of Life Sciences

What’s the deal with FAIR?
Some common obstacles (extracted from the pad)

So why is it so complicated?
Please share your thoughts with us

Micro-learning: a definition
“Microlearning refers to any pedagogy that encourages learning in short segments, and it can be supported through many platforms, including social media.” (see Stefanie Trowbridge et al. Learning in Bursts: Microlearning with Social Media, 2017)

Micro-learning: misunderstandings
Misunderstanding #1: Microlearning is chunked content.
Misunderstanding #2: Microlearning is video based and must be less than 3 minutes (Shannon Tipton, 2017)

... Could it help us be more convincing about FAIR principles?

Micro-learning: digital VS analog

Micro-learning: an application
Private companies:
onboarding (Amgen)
staff safety procedure training (Merck)
Learning languages:
Duolingo
Chinese Skill app
Universities and information literacy:
Infotrack@UNIGE
ZB Med and their chat
Not always developed as “micro-learning”

An EPFL example

Micro-learning : some tips and tricks
should not take too much time (months) to create it
should not take too much time to consume
one idea, one concept
immediately applicable
device/set up agnostic
accessible (see Shannon Tipton, 2017)

Your task for the next 45 minutes
(it’s a WORKshop so you will WORK)
Form a group with 4 other people to form a group of 5
Find a topic related to the FAIR principles that you would like to be able to showcase in a microlearning sequence
Work on a concept for a microlearning sequence

Your task for the next 45 minutes
The concept should have an explicit “key message”
Think about your audience : does it work with all audiences ? Who are you planning to use it with ?
What is the delivery of the microlearning sequence ? Online, analog, other forms ?
When can it be used ? Are there prerequisites?

Vernissage / Launch your concept : cocktail:
Display your concept and give a 1 minute pitch !

Questions and comments

The End