

Data Stewardship course for doctoral candidates

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DocEnhance

- PhD Supervision
 - **Data Stewardship**
 - Career management & entrepreneurship
-
- EU project 2020 - 2022
 - 19 partners



UiT The Arctic
University of Norway



The DocEnhance platform

From December 2022

- **Training resources** (courses, guidelines, reports, studies) developed by the project are freely available
- Resources can be **easily adapted** to local needs and integrated into existing PhD programmes
- Based on existing platform: PhD Hub
- A dynamic network between academic and non-academic partners



<https://phdhub.eu/>

Data stewardship

Aims of this course: to introduce PhD candidates the complexity of research data management from finding relevant data to publishing an own dataset

PhD candidates, learn:

- How to develop and use a Data Management Plan
- How to store and archive data
- How to use licenses, repositories, database platforms, data search engines, apps...



...and much more!

Concept and methodology

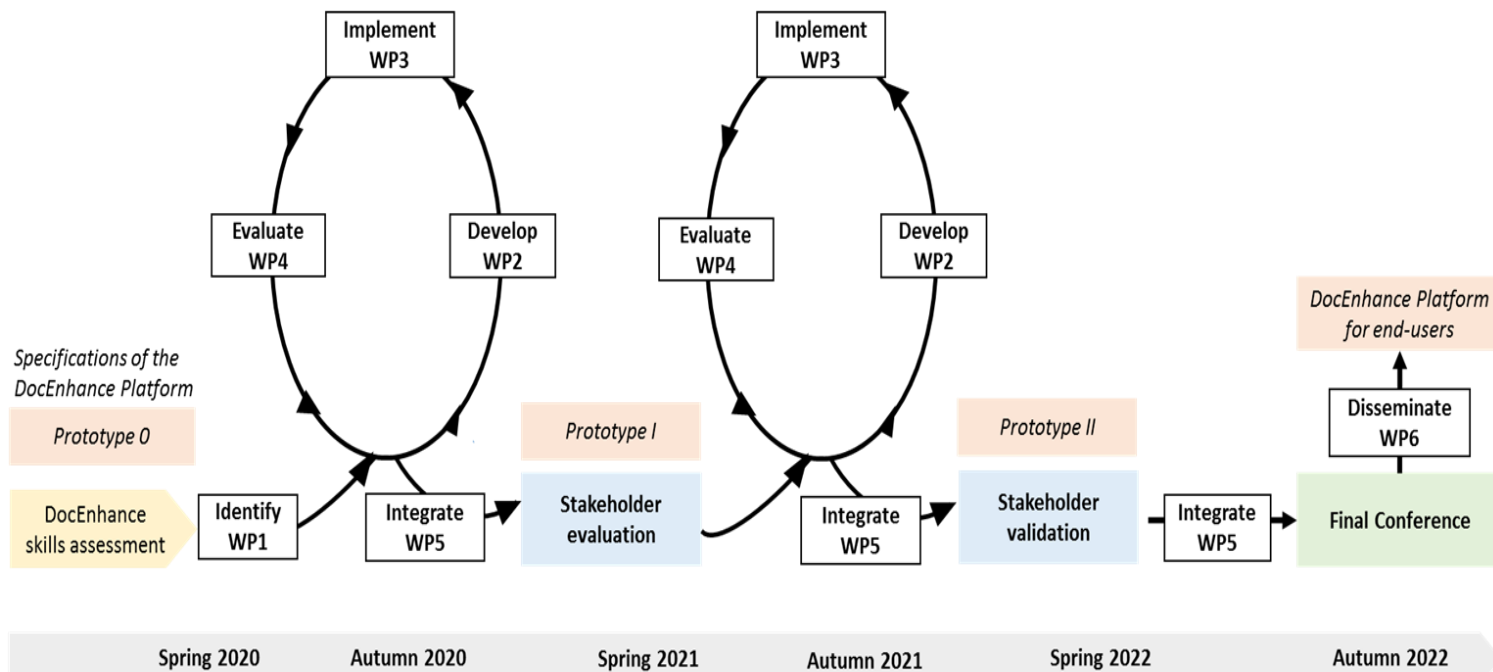
Co-creation approach



Skills intelligence



Skills integration



Piloting course

University of Chemistry and Technology in Prague, Czechia



Pilot 2021–2022

~ 35 PhD candidates

~ 8 teachers

Financial remuneration for active participation and subsequent feedback.

2023 Course

17 PhD candidates

Graduates of the
pilot course became
teachers.



Karlstad University, Sweden



Pilot

~ 14 PhD candidates

Course Overview

MODULE 1	MODULE 2	MODULE 3
online lectures	workshops & tasks in local working teams	workshops & regional assignments with employers
• general introduction • basics of how to handle research data in a PhD thesis	• learning by doing • practical assignments • working in small groups • discussions • Data Stewardsh. Wizard • local resources • meet local demands #Interdisciplinarity #Teamworking	• practical tasks in cooperation with business / public service entity • help to prepare PhD candidates for a career outside academia • putting into practice the theory & practical skills #Inter-sectoral mobility

Data stewardship - Module 1

10 thematic issues

Focus on motivation, theory and concepts (~ 16 hours)

- | | |
|--|--|
| 1. Introduction | 6. How to store research data |
| 2. About research data | 7. How to visualise research data |
| 3. How to search & cite research data | 8. How to archive research data |
| 4. Research contracts | 9. Rights and licenses for research data |
| 5. How to structure & document research data | 10. How to write a research DMP |

The course is generic and **it is possible to adapt it**.

Videos, transcripts, and suggested **readings**

Interaction via **quizzes** and open « **food for thought** »

Data stewardship - Module 1

Exam quiz & certification

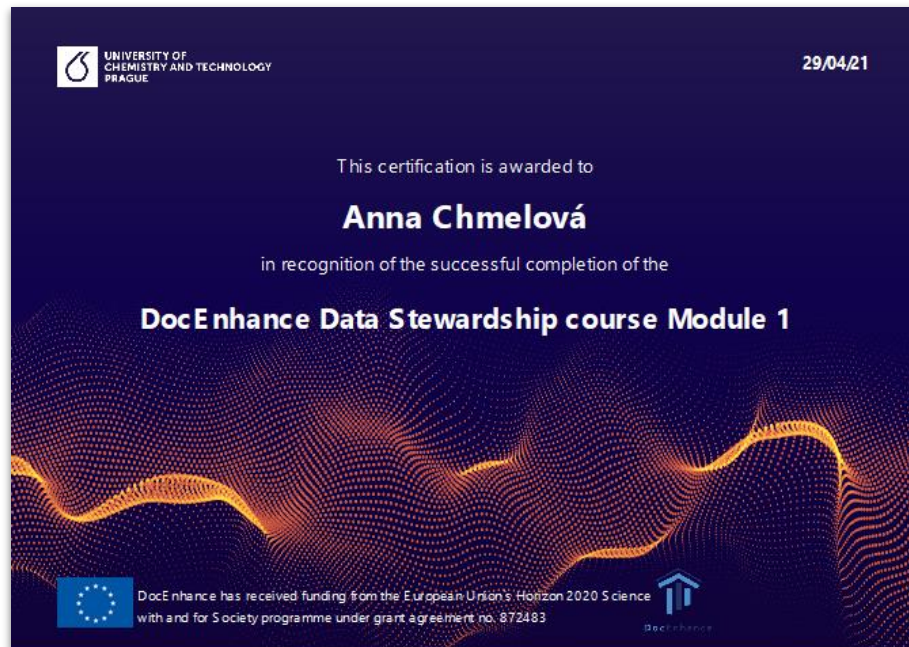
Final exam quiz

If you get 80% or 24/30
correct answers



Certification M1

generated by the Moodle



Data stewardship - Module 2

Workshops & assignments

- Materials for trainers on the Moodle platform
- The local trainers decide which content and activities to use
- 6 workshops (2 hours)
- Participants worked in small groups



Description	5 April Tuesday	6 April Wednesday	7 April Thursday
	10:00-12:00	10:00-12:00	10:00-12:00
Session	#1: The importance of RDM and open archiving	#3: Structuring, documenting, and metadata	#5: Sharing and licensing research data
Main lecturer	Eva Hnatkova	Ivan Čmelo	Jiří Jiráť
Lecturer 2	Martin Schätz	Jan Vrba	
	14:00-16:00	14:00-16:00	10:00-12:00
Session	#2: The data management plan	#4: Data storage, file formats, and the FAIR principles	#6: Visualising, reusing/searching, and citing research data
Main lecturer	Eva Hnatkova	Marcela Dendisová	Radek Cibulka
Lecturer 2	Martin Schätz	Eva Hnatkova	Eva Svobodová
Lecturer 3	Robert Pergl (jen pokud by pan Schätz nemohl)		

Data stewardship - Module 3

Purpose: Employ RDM knowledge in cooperation with non-academic sector

- Focus on application of knowledge from M1 & M2
- Trainer material on the Moodle platform
- Advice from the non-academic sector, assignment ideas, community-driven resource bank



Trip to Orlen Petrol, Czechia

The content of this module very much depends on the local stakeholders involved!!

Next steps

- The implementation of Data Stewardship into **regular curriculum for early career researchers** at UCT Prague
- **Sharing the experience of conducting this course with other universities**
- Cooperation with the private sector
- Using both deliverables and feedbacks for improving the course structures and doctoral programs at UCT Prague
- Keeping Module 1 openly available on e-learning platform



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Thank you for your attention!