Practical implementation of FAIR-related content in university curricula and teaching

Welcome by Federica Garbuglia and Bregt Saenen
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FAIRsFAIR project in a nutshell

Time plan: 36 months
• Start: March 1, 2019
• 22 partners from 8 MS
• 6 core partners: DANS (project coordinator), CSC, DCC, Trust-IT, STFC, EUA

MAIN OUTPUTS

COMPETENCE FRAMEWORK
- Fair Competence Framework for Higher Education
- A Tested Framework for francising the data science schools
- Competence Centre core and knowledge base set-up
- 5 “Train-the-trainer” data science schools
- 2½ day workshops for mentors & new instructors
- Develop model courses & curricula
- FAIR Competences Adoption Handbook
- Good Practices in FAIR Competence Training
- Mapping existing FAIR data training offerings across high education institutions
- At least 1,500 person days of training
- > 200 HEIs participating in mapping FAIR data education landscape
- >100 HEIs introduced to FAIR competence framework and model courses in curricula

REGISTRY FOR FAIR
- Registry for FAIR compliant repositories
- Technical solutions for Interoperability requirements
- Training, support and guidance for repositories

TOOLSET & REPOSITORIES
- Provision of view and toolsets on certified repositories to researchers
- Core level certified repositories > 50 by M36
- Badges for end-users
- Deliver a Capability maturity model towards FAIR certification
- Build & Showcase a network of trusted digital repositories
- >50 Repositories engaged
- >10 Repositories implementing practical recommendations
- Metrics & Badging scheme for assessment of FAIRness of individual datasets in trusted repositories tested & applied to 100 datasets in 5
- CoreTrustSeal certified repositories

FOSTERING FAIR DATA PRACTICES IN EUROPE
FAIRsFAIR workplan

W P 1
Certification (of Repositories)

W P 2
FAIR practices: semantics, interoperability, and services

W P 3
Data Policy and practice

W P 4

W P 6
FAIR Competences

W P 5

Activities cutting across Work Packages

Sustainability, Landscape analysis, etc., FAIR repositories/services, Knowledge base, Engagement and uptake, Competences, Training

https://www.fairsfair.eu/the-project
Work package objectives

- Map the integration of FAIR data principles in data science and other disciplines’ curricula at universities and **analyse the landscape of available FAIR data trainings** in Europe

- Deliver a **FAIR data competence framework** for higher education and professionals to support the development of a FAIR data culture and the uptake of FAIR data principles in data science and other relevant disciplines

- Translate the competence framework into **model curricula and university courses** for different disciplines (e.g. data science) and professional profiles (e.g. data stewards)

- Support **embedding FAIR data education in university programmes and doctoral training** through a series of workshops and knowledge-sharing activities
Work package progress

Through this work package higher education institutions will gain **practical tools** (D7.4 and 7.5), rooted in a comprehensive and up-to-date state-of-play survey (D7.1) and mapping of existing instruments (D7.2 and 7.3), **helping them to further integrate FAIR data in curricula** at Bachelor, Master and Doctoral level.
Agenda

10:00-10:10 – Welcome
- Federica Garbuglia and Bregt Saenen, FAIRsFAIR and European University Association

10:10-10:25 – Presentation of the adoption handbook “How to be FAIR with your research data – a teaching and training handbook for higher education institutions”
- Claudia Engelhardt, FAIRsFAIR and University of Göttingen, Germany

10:25-10:55 – Reflections on institutional initiatives and relevance of the adoption handbook
- Hugh Shanahan, FAIRsFAIR and Royal Holloway University of London, United Kingdom
- Margareta Hellström, Lund University, Sweden
- Jolien Scholten, Vrije Universiteit Amsterdam, The Netherlands

10:55-11:05 – Q&A

11:05-11:15 - Coffee break

11:15-11:50 - Breakout groups with Mural exercises

11:50-12:00 - Wrap-up
How to be FAIR with your research data

*Breakout room discussion on the Adoption Handbook for universities*

**Defining FAIR skills and competences**
- What are the most important skills and related competences (entry-level content) for FAIR (for each the bachelor, master and PhD level)?

**Teaching and training designs for FAIR**
- How can we integrate the FAIR principles in teaching?
- What are existing courses or programmes that FAIR-related content could be plugged into and how?

**FAIR lesson plans**
- Could you see yourself using the lesson plans provided in chapter 5? How and in which context?
- Could they be improved? How?

**Implementing FAIR**
- How can we implement FAIR teaching at the institutional level?
- What are the barriers? What are opportunities?
Thank you for your attention!

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