Training the trainers: Data Management and FAIR data principles in university curricula

Welcome by Dr 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
FAIRsFAIR workplan

1. Certification (of Repositories)
2. FAIR practices: semantics, interoperability, and services
3. Data Policy and practice
4. FAIR Competences
5. FAIR Data Science Curricula & professionalisation

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.

- **D7.1** Survey: FAIR in European higher education
- **D7.2** Briefing: FAIR competences and synergies
- **D7.3** Competence framework: FAIR competence framework for higher education
- **D7.4** Adoption handbook: FAIR competences adoption handbook for universities (Dec 2021)
- **D7.5** Good practices: Good practices in FAIR competence training (Dec 2021)
Agenda

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

10:10-10:50 – FAIR data principle and Data Stewardship in academic curricula: perspectives from the FAIRsFAIR project
- Presentation of the “FAIR Competence Framework for Higher Education” and Data Stewardship Body of Knowledge
  Yuri Demchenko, FAIRsFAIR and University of Amsterdam, Netherlands
- Lessons learned from the FAIRsFAIR Data Steward instructor training series
  Hugh Shanahan, FAIRsFAIR and University of London, United Kingdom

10:50-11:10 – EOSC Association Task Force on Data stewardship curricula and career paths
- Ilire Hasani-Mavriqi, Graz University of Technology, Austria
- Francesca Frontini, Institute for Computational Linguistics, Italy

11:10-11:40 – Meeting the needs and challenges of RDM and FAIR data trainers
- Breakout rooms on (building) best practices for universities

11:40-12:00 – Wrap-up
Meeting the needs and challenges of RDM and FAIR data trainers

*Breakout room discussion on good practices from universities*

- How do we understand the benefits of FAIR in university teaching? What are the learning and other outcomes we’re after?
- Which barriers do we see in implementing FAIR principles in academic teaching and curricula (students, teachers, administration, regulations)?
- What are existing channels and paths to promote FAIR in university teaching and curricula?
- What can we do now? What type of support could be offered by EUA, the FAIRsFAIR project and the EOSC community?
Upcoming opportunities

- FAIRsFAIR 3rd stakeholder workshop “Learning lessons from FAIR data implementation. Good practices from universities across Europe” during the Open Science Fair 2021
  - 20 September 2021, 16:30-18:30 CEST
  - Presentation of first findings from the good practices report
  - More information and registration

- UGoe university workshop “Practical implementation of FAIR-related content in university curricula and teaching”
  - 12 October 2021, 10:00-13:00 CEST
  - Presentation of the draft adoption handbook “How to be FAIR with your research data – a teaching and training handbook for higher education institutions”
  - More information and registration
Thank you for your attention!

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