



FAIRsFAIR

Fostering Fair Data Practices in Europe

Present and future FAIR competences in doctoral education

Dr Bregt Saenen

R&I Policy Analyst | European University Association



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#FAIRsFAIR

FOSTERING FAIR DATA PRACTICES IN EUROPE

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 franchising 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**

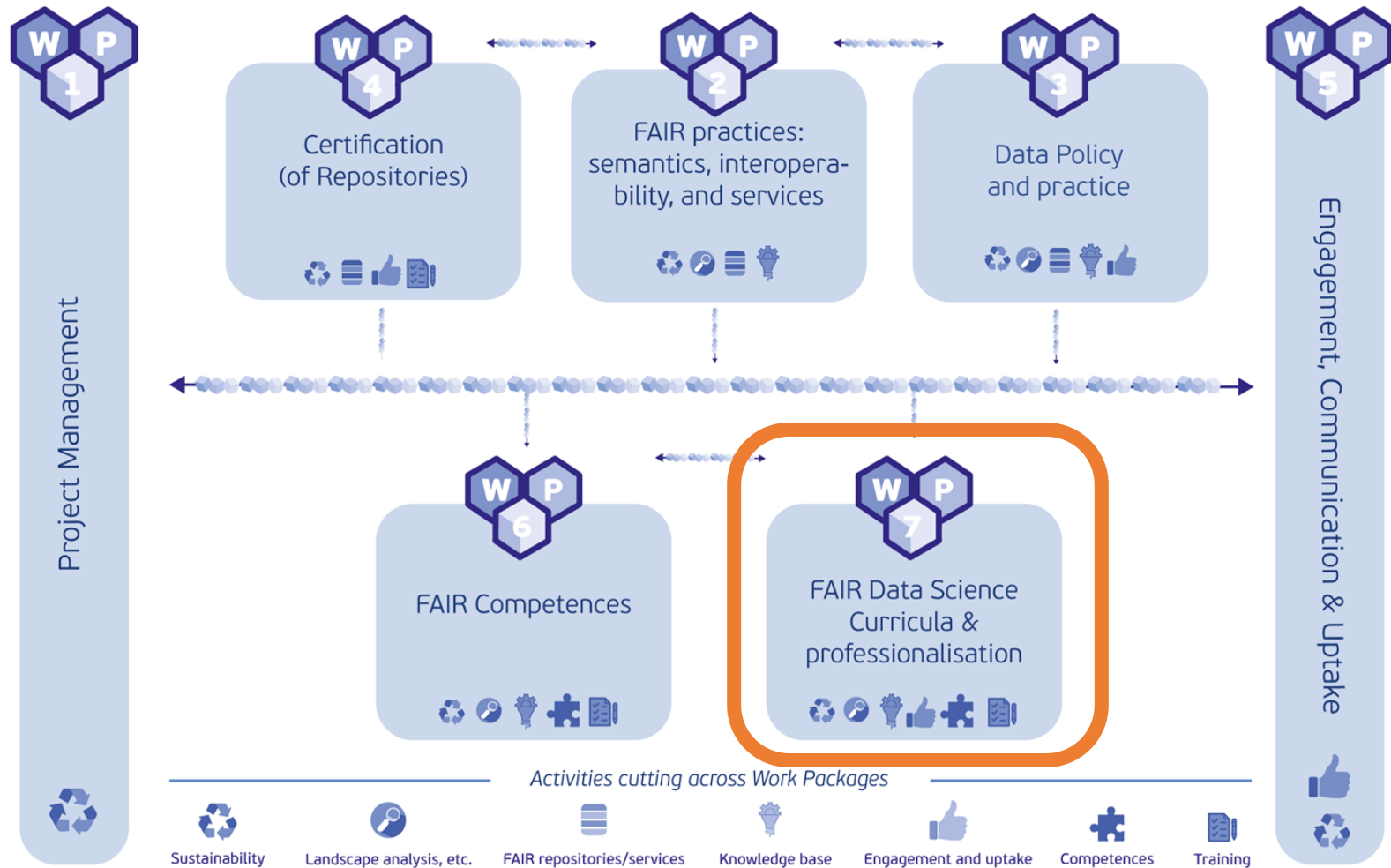


TOOLSET & REPOSITORIES

- **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

<https://www.fairsfair.eu/the-project>

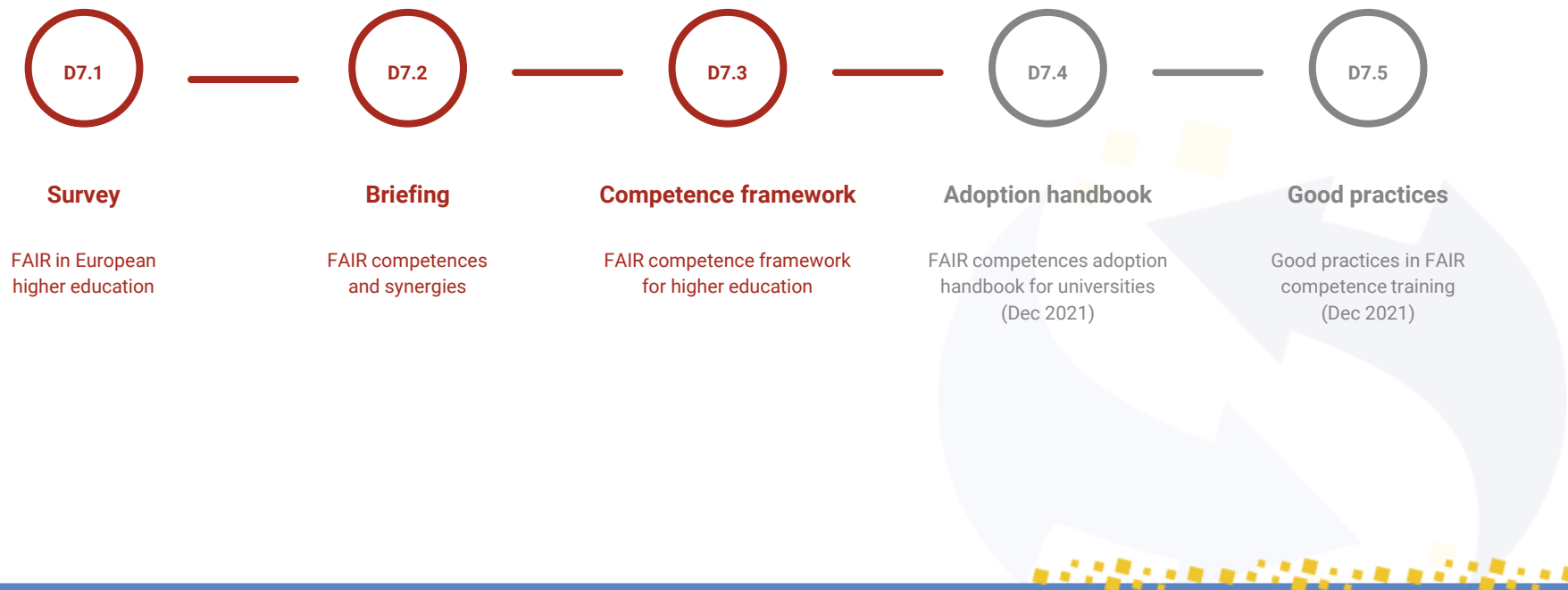


Our work package objectives

- 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

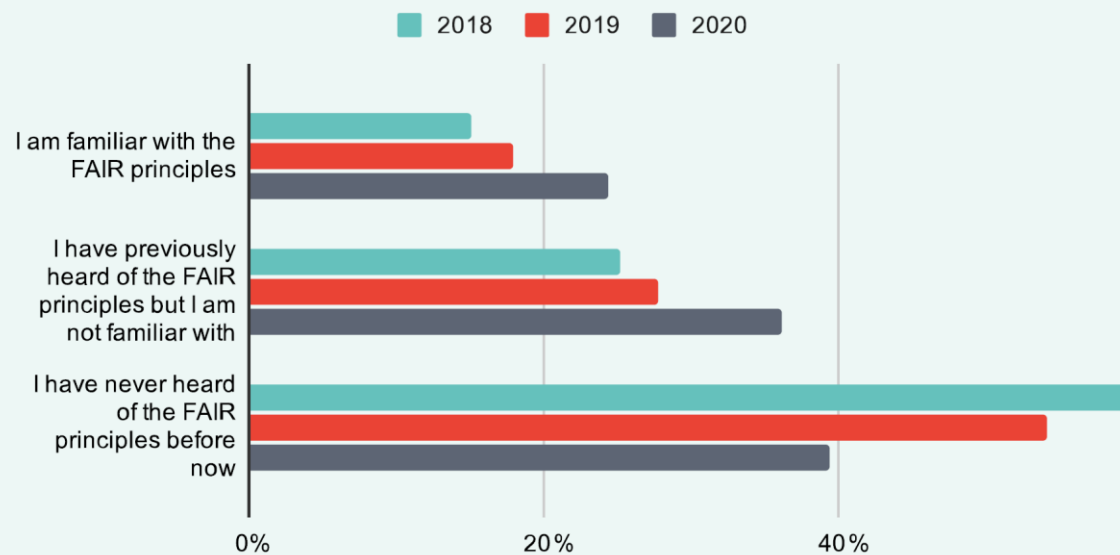
Through this work package higher education institutions will gain **practical tools** (D7.4 and 7.5), rooted in a comprehensive and up-to-date state-of-play survey (D7.1) and mapping of existing instruments (D7.2 and 7.3), **helping them with the uptake of FAIR data competences in curricula** at Bachelor,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



Main deliverables & milestones

- D7.1 [FAIR in European Higher Education](#)
- D7.2 [Briefing on FAIR Competences and Synergies](#)
 - M7.4 stakeholder workshop (2nd half 2021, TBC)
- D7.3 [FAIR Competence Framework for Higher Education](#)
- D7.4 FAIR Competences Adoption Handbook for Universities (Dec 2021)
- D7.5 Good Practices in FAIR Competence Training (Dec 2021)
 - M7.8 [UMinho university workshop](#) (26-27 May 2021)
 - M7.8 UvA university workshop (Sep 2021, TBC)
 - M7.8 UGoe university workshop (Oct 2021, TBC)

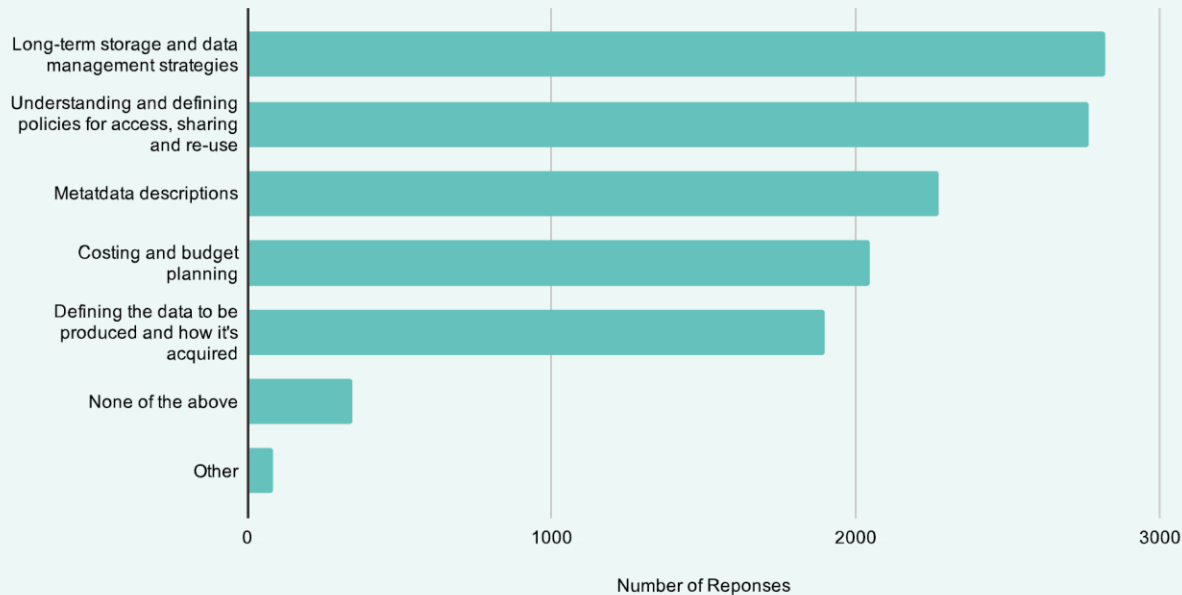
How familiar are you with the FAIR principles in relation to open data?



Bottlenecks

Source: Digital Science; Hahnel, Mark; McIntosh Borrelli, Leslie; Hyndman, Alan; Baynes, Grace; Crosas, Merce; et al. (2020): *The State of Open Data 2020*. Digital Science. Report.
<https://doi.org/10.6084/m9.figshare.13227875.v2>

In which, if any, aspects of data management planning do you feel you would benefit from further skills training?



Bottlenecks

Source: Digital Science; Hahnel, Mark; McIntosh Borrelli, Leslie; Hyndman, Alan; Baynes, Grace; Crosas, Merce; et al. (2020): *The State of Open Data 2020*. Digital Science. Report.

<https://doi.org/10.6084/m9.figshare.13227875.v2>

- Doctoral education is where researchers learn the tools of the trade, how research is carried out, which tools and methods are applied, and which outputs are important.
- Normalise RDM in disciplinary and interdisciplinary practices and as part of the usual research process.
- Link it with disciplinary practices and research ethics and integrity.
- This is of course not a short-term shift. Doctoral training is a key to make enable long-term change.
- **Fifty-six out of sixty-three universities (89%) that we surveyed in 2019 emphasised that there is a "high need" to strengthen the teaching of data management competencies at the doctoral level.**

Doctoral training for a professional culture of RDM and FAIR data

<https://eua-cde.org/the-doctoral-debate/192:enabling-fair-research-data-management-through-doctoral-education.html>



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Thank you for your attention

bregt.saenen@eua.eu