

Un curriculum europeo per formare personale qualificato

Introduzione sui lavori della Task Force “Data Stewardship Curricula and Career Paths” nel contesto EOSC

Francesca Frontini, ILC CNR & CLARIN ERIC

in collaborazione con

Ilire Hasani Mavriqi (TU Graz) e Vera Matser (EMBL)

Teaching and training FAIR to HEI in Italy. National Roadshow in Italy

08 Febbraio 2022



**EUROPEAN OPEN
SCIENCE CLOUD**

Gli Action Groups e le Task Forces EOSC

Implementation of EOSC

- Rules of Participation compliance monitoring
- PID policy and implementation
- Researcher engagement and adoption

Research careers and curricula

- Data stewardship curricula and career paths
- Research careers, recognition and credit
- Upskilling countries to engage in EOSC

Technical challenges on EOSC

- Technical interoperability of data and services
- Infrastructure for quality research software
- AAI Architecture

Sustaining EOSC

- Defining funding models for EOSC
- Long-term data preservation

Metadata and data quality

- Semantic interoperability
- FAIR metrics and data quality

<https://www.eosc.eu/advisory-groups>

Source: Sarah Jones, 2021, EOSC Advisory Groups & Task Forces

Gli Action Groups e le Task Forces EOSC

Implementation of EOSC

- Rules of Participation compliance monitoring
- PID policy and implementation
- Researcher engagement and adoption

Research careers and curricula

- Data stewardship curricula and career paths
- Research careers, recognition and credit
- Upskilling countries to engage in EOSC

Technical challenges on EOSC

- Technical interoperability of data and services
- Infrastructure for quality research software
- AAI Architecture

Sustaining EOSC

- Defining funding models for EOSC
- Long-term data preservation

Metadata and data quality

- Semantic interoperability
- FAIR metrics and data quality

<https://www.eosc.eu/advisory-groups>

Source: Sarah Jones, 2021, EOSC Advisory Groups & Task Forces

Data Stewards e figure connesse



- Data curator
- Data steward
- EOSC Trainer

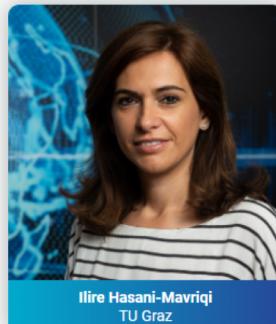
European Commission, Directorate-General for Research and Innovation, *Digital skills for FAIR and Open Science : report from the EOSC Executive Board Skills and Training Working Group*, Lazzeri, E.(editor), Barker, M.(editor), Manola, N.(editor), Gaillard, V.(editor), Kuchma, I.(editor), Stoy, L.(editor), Publications Office, 2021, <https://data.europa.eu/doi/10.2777/59065>

La nostra task force

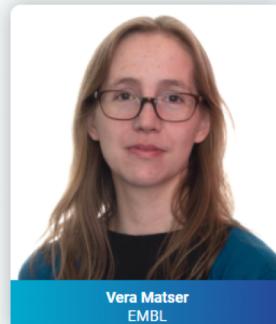
Data stewardship, curricula and career paths

The **Data stewardship, curricula and career paths Task Force** will focus on the Data Stewards role and their core activities. To help researchers to make FAIR data it is necessary to have professional staff. To keep professional staff, we need to have a common curriculum for their skills and possibilities for career paths.

Chairs



Ilire Hasani-Mavriqi
TU Graz



Vera Matser
EMBL

Board Liaison



Wilhelm Widmark
Stockholm University

Outputs

 [Task Force charter](#)

 Cattura rettangolare

Members



<https://www.eosc.eu/advisory-groups/data-stewardship-curricula-and-career-paths>

Organizzazione

- 24 membri (possibile allargamento)
 - Polonia, Paesi Bassi, Francia, Slovenia, Svizzera, Austria, Germania, Lituania, Regno Unito, Belgio, Ungheria, Danimarca, Italia, Germania
- Ruoli:
 - Co-chairs *Ilire Hasani Mavriqi (TU Graz)* e *Vera Matser (EMBL)*
 - Co-Task leaders
 - Task Force members
- EOSC Board Liaison *Wilhelm Widmark (EOSC BoD)*

Inizio attività - gennaio 2022, durata 24 mesi

Creazione della task force e del charter

Coordinatori fase preparatoria:

Vera Matser, EMBL

Francesca Frontini, ILC CNR & CLARIN ERIC

Ilire Hasani-Mavriqi, Graz University of Technology

Volontari fase preparatoria: 10

Primo draft



Input dai volontari



Finalizzazione



**Presentazione a EOSC
Symposium 2021,
16.06.2021**

https://www.eosc.eu/sites/default/files/2021-12/eosca_tfdatastewardshipcurriculaandcareerpaths_draftcharter_20210614.pdf

Approccio

- Partire dal lavoro già fatto
- Raccogliere una lista di iniziative rilevanti e di “stakeholders”
 - Recommendations from the Digital Skills for FAIR and Open Science report
 - RDA Professionalising Data Stewardship IG
 - RDA Education and Training on handling of research data IG
 - FAIR Data Competence framework
 - Dutch roadmap towards national implementation of FAIR data stewardship
 - National Coordination of Data Steward Education in Denmark
 - EDISON Data Science Framework
- Allineamento con lavoro di altre TF - anche con meeting intermedi
 - TF - Research careers, recognition and credit
 - TF - Upskilling countries to engage in EOSC

Il focus

Ambito

- Il focus centrale della TF è sui ruoli dei data steward
- La TF mira ad identificare quindi un set di competenze centrali per queste figure
- Tuttavia, queste competenze possono essere affiancate da altre “specializzate”, a seconda dei contesti (DS in università o ente vs IR)
- La TF riconosce anche la parziale sovrapposizione del ruolo di DS con altri (come Data Curator, EOSC Educator, Data Scientist e Research Software Engineer)

Dipendenze

- Task Force EOSC *Research careers, recognition and credit*
- Task Force EOSC *Upskilling countries to engage in EOSC*
- Gruppo di Interesse RDA *Professionalising Data Stewardship*
- Gruppo di Interesse RDA *Education and Training on handling of research data*
- Digital Skills for FAIR and Open Science report e iniziative ivi citate

Attività

- T1: Stakeholder management and dissemination
- T2: Definition of a minimal data stewardship curricula
 - Data Stewards roles
 - Competency profile for data stewards
 - Levels of training
 - > **Recommendations**
- T3: Career paths for Data Stewards and associated roles
 - How do available roles map onto data stewards in international context
 - Recognition and rewards for data management activities
 - > **Recommendations**
- T4: Implementation examples using use cases

Inoltre, richieste di input su vari aspetti da EOSC.

Metodologia di lavoro

- Divulgare versioni preliminari dei risultati, per incorporare feedback e lezioni apprese
- Garantire un processo di co-creazione tra sviluppo teorico ed esempi di implementazione
- Tenere consultazioni pubbliche attraverso, ad esempio, sondaggi, interviste, workshop di discussione con le parti interessate in tutte le attività
- Mantenere una stretta comunicazione con altre task force pertinenti per allineare e ottimizzare gli sforzi
- Raccogliere i casi d'uso sia all'interno che all'esterno della task force

Perché seguire le attività della TF

- Essere al corrente dello sviluppo dei lavori
- Fornire input sulla situazione nazionale
- Fare in modo che le raccomandazioni finali siano in linea con la roadmap nazionale, anche in termini di ruoli e carriere
- Allineare la strategia nazionale quanto prima alle raccomandazioni
- Segnalare attività, casi d'uso e iniziative rilevanti (tramite i vostri membri italiani)

Prima “milestone”

- Milestone 1.1: Identify stakeholders and related initiatives and clarify definitions used
 - Produce a **stakeholder list**, identify the modalities of contact and timeline
 - List started during charter writing
 - Together with stakeholders, clarify **terminology** around Data Stewards/Data Stewardship and how these terms might be used in different international, disciplinary and institutional contexts. Clarify overlapping terms (e.g. data management activities).
 - Mailing list for stakeholders (run by co-chairs)
 - Workshop and other Public events

Quale terminologia per il settore della Data Stewardship in italiano?

Frontini, Francesca; Gamba, Federica; Monachini, Monica; et al., 2021, *SSHOC Multilingual Data Stewardship Terminology*, ILC-CNR for CLARIN-IT repository hosted at Institute for Computational Linguistics "A. Zampolli", National Research Council, in Pisa, <http://hdl.handle.net/20.500.11752/ILC-567>.

Riferimenti

- [1] Mijke Jetten, Marjan Grootveld, Annemie Mordant, Mascha Jansen, Margreet Bloemers, Margriet Miedema, & Celia W.G. van Gelder. (2021, January 1). Professionalising data stewardship in the Netherlands. Competences, training and education. Dutch roadmap towards national implementation of FAIR data stewardship (Version 0.1). Zenodo. <http://doi.org/10.5281/zenodo.4320505>
- [2] National Coordination of Data Steward Education in Denmark
https://www.deic.dk/sites/default/files/Data%20Steward%20Education%20in%20Denmark_0.pdf
- [3] S. Scholtens, M. Jetten, J. Böhmer, C. Staiger, I. Slouwerhof, M. van der Geest, C.W.G van Gelder (2019, October 5). Towards FAIR data steward as profession for the lifesciences. Report of a ZonMw funded collaborative approach built on existing expertise. Zenodo.
<http://doi.org/10.5281/zenodo.3471708>
- [4] Verheul, I., Imming, M., Ringersma, J., Mordant, A., van der Ploeg, J. L., & Pronk, M. (2019). Data stewardship on the map: A study of tasks and roles in Dutch research institutes. <https://doi.org/10.5281/zenodo.2669150>
- [5] Digital skills for FAIR and Open Science - Report from the EOSC Executive Board Skills and Training Working Group
<https://doi.org/10.2777/59065>
- [6] Six Recommendations for implementation of FAIR practice by the FAIR in practice task force of the European open science cloud FAIR working group <https://op.europa.eu/en/publication-detail/-/publication/4630fa57-1348-11eb-9a54-01aa75ed71a1>
- [7] Openness Profile - Modelling research evaluation for open scholarship. Knowledge Exchange report
<https://repository.jisc.ac.uk/8340/1/Openness%20Profile%20Modelling%20research%20evaluation%20for%20open%20scholarship%20March%202021.pdf>
- [8] EDISON Data Science Framework: Part 1. Data Science Competence Framework (CF-DS) Release 2 <https://doi.org/10.5281/zenodo.1044346>

Domande?



francesca.frontini@ilc.cnr.it