

What Does DORA Mean for CRIS?

Joachim Schöpfel

University of Lille, GERiiCO laboratory, Lille (France)

Otmane Azeroual

*German Centre for Higher Education Research and Science Studies (DZHW), Berlin
(Germany)*

(1) The challenge

The vision of DORA

To advance practical and robust approaches to research assessment globally and across all scientific disciplines.

Objectives:

- Raise awareness
- Facilitate implementation
- Catalyze change
- Improve equity



Declaration On Research Assessment
Improving how research is assessed

sfdora.org
 [@DORAssessment](https://twitter.com/DORAssessment)

and to talk about the Declaration on Research Assessment,
or DORA for short,

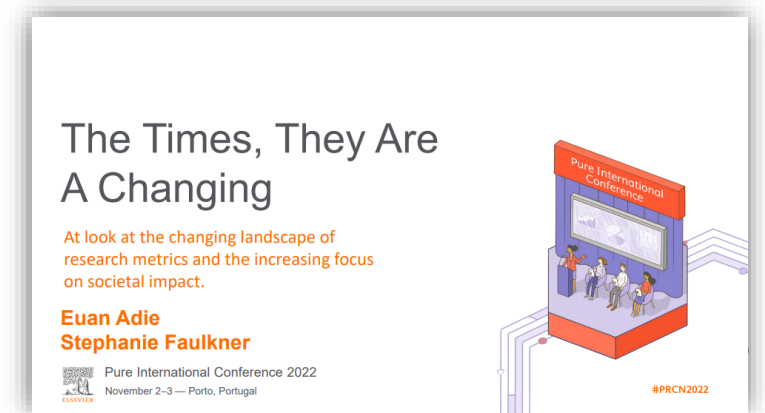
International and national initiatives

➤ Targets: *research funders, publishers, research institutions and researchers*

- American Society for Cell Biology (2012). *San Francisco Declaration on Research Assessment (DORA)*. <https://sfdora.org/read/>
- Coalition for Advancing Research Assessment (2022). *Agreement on Reforming Research Assessment*. <https://coara.eu/>
- European Commission (2021). *Towards a reform of the research assessment system*. <https://op.europa.eu/fr/publication-detail/-/publication/36ebb96c-50c5-11ec-91ac-01aa75ed71a1>
- European Council (2022). *Brno Declaration on Fostering a Global Ecosystem of Research Infrastructures*. <https://www.icri2022.cz/post/brno-declaration-on-fostering-a-global-ecosystem-of-research-infrastructures>
- UNESCO (2021). *Recommendation on Open Science*. Paris. https://unesdoc.unesco.org/ark:/48223/pf0000379949.local_e=en
- Académie des sciences (2022). *Critères pour une évaluation transparente et rigoureuse des chercheurs et de leurs équipes*. Paris, Institut des Sciences. <https://www.academie-sciences.fr/fr/Rapports-ouvrages-avis-et-recommandations-de-l-Academie/criteres-pour-une-evaluation-transparente-et-rigoureuse-des-chercheurs-et-de-leurs-equipes.html>
- Deutsche Forschungsgemeinschaft (2022). *Open Science as Part of Research Culture. Positioning of the German Research Foundation*. Bonn. <https://zenodo.org/record/7194537>
- DINI AG FIS (2022). *Management von Forschungsinformationen in Hochschulen und Forschungseinrichtungen*. <https://edoc.hu-berlin.de/handle/18452/26130>
- French Open Science Committee (2022). *Paris Call on Research Assessment (OSEC)*. Paris. <https://osec2022.eu/paris-call/>
- Quigley, N., Chan, J., Clift, J. (2022). *The role of Australian institutional repositories in sharing academic research: Research report*. Curtin University Library. <https://doi.org/10.25917/S5A6-R623>

Why speak about DORA

- Communities ask for the transformation of research assessment
 - *Next generation research assessment*
- Institutions will adapt
 - A study launched in 2022 by French academic libraries on new, responsible performance indicators
- CRIS providers anticipate the change of their research indicator dataset
- Our own research on CRIS and ethics (cf. CRIS 2022) identified the respect of open science principles as one field of interest
- EuroCRIS SMM 2022: change is on the way
 - 9 of 25 papers are relevant, especially D. Jansen, C. Tatum and J. Pölönen



Authorities confirm project of change



EN English

Research and innovation

[Home](#) > [...](#) > [All research and innovation news](#) >

The Commission signs the Agreement on Reforming Research Assessment and endorses the San Francisco Declaration on Research Assessment

NEWS ARTICLE | 8 November 2022 | Directorate-General for Research and Innovation

The Commission signs the Agreement on Reforming Research Assessment and endorses the San Francisco Declaration on Research Assessment

Research assessment and incentives is the top priority of the Council for National Open Science Coordination (CoNOSC)

(2) Other metrics, and beyond

A short summary



Main purpose of these initiatives

- Against quantitative metrics
- Against journal-based metrics
- Independent and discipline-specific quality assessment
- Inclusion of the whole output
- Valorization of open access
- Community support for change

Let's change
what we value
in research.



Other metrics, but which ones?

Abandon (at least, partially)

- Impact factor
- H-index

- Journal-based data
- Products (Web of Science, Scopus...)
- Providers (Clarivate, Elsevier...)

Adoption

- Novel metrics (altmetrics...)

- Metrics of other outputs
 - Social media, grey literature, micropublications, data, ontologies, software...

- Or, no metrics at all?
 - Storytelling

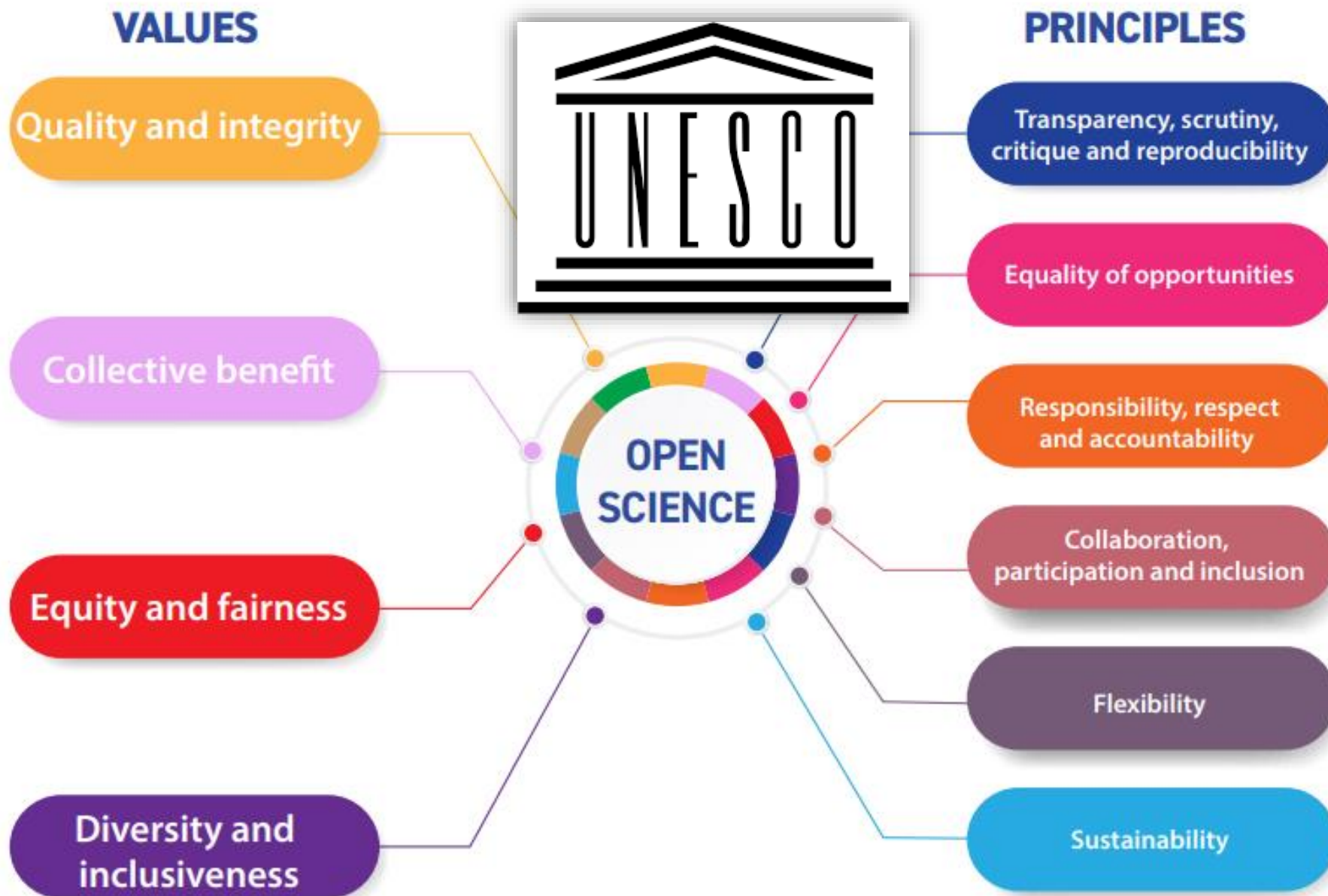
Beyond metrics

Governance

- Community control
- No vendor lock-in
 - Exit strategies?
- Public infrastructures
 - Common good
- Openness
 - Open source
 - Open data

Ethics and integrity

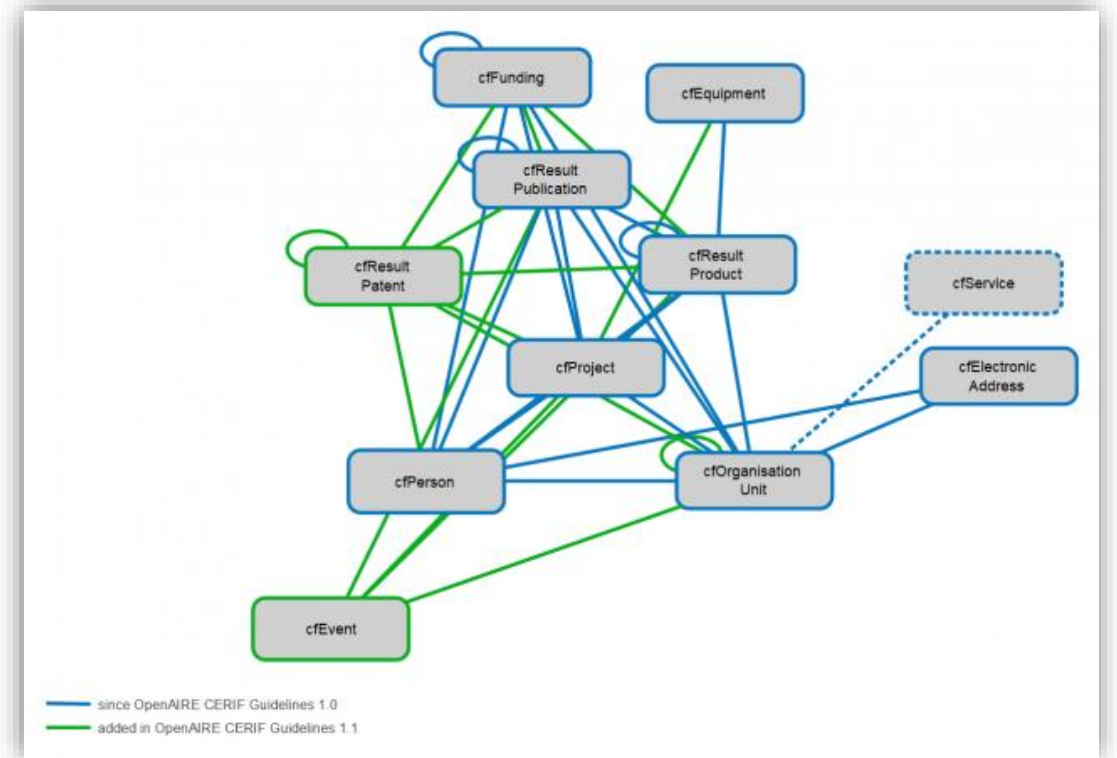
- Respect and implementation of open science principles and values
 - Transparency
 - Fairness
 - Diversity
 - Equity (inclusiveness, gender balance...)



(3) Impact on CRIS

More diversity: other data

- Social media, public media
- Research data and other material
- Audio/video products
- Reports, working papers, preprints...
- Patents
- ...
- Issues: selection, metadata, identifiers...



More diversity: other metrics

- Qualitative indicators of research impact (peer review)
 - *Community-led curation and annotation* (C. Tatum, GraspOS)
 - *Responsible use of quantitative indicators*
- Not only output but also practice
 - *Professional conduct of research*
 - *Fostering a culture of open science*
 - *Openness of research (early sharing and open collaboration)*
- Reproducibility of results
- Originality of ideas
 - *Need to assess research on its own merits*
 - *Results beyond the state-of-the-art*
- Respect of the variety of scientific disciplines, research types, research career stages and roles

Different processing

- Transparency
 - Keeping the data collection and analysis processes and transparent to allow the assesseses to test and verify the results
 - Communication: *Be explicit about the criteria*
 - Control (and restriction) of usage
 - *Inappropriate manipulation of metrics will not be tolerated*
- Interactivity (supporting different modes of assessment)
- Open data

Other governance

- (More) community control (stewardship)
- Open source
 - Community-driven development
- Respect of all communities
- Sustainability
 - No vendor lock-in

General characteristics

- Flexibility
 - Other and different use cases
 - No global solution
- Reactivity
 - Agile development
 - Dialogue/communication (CRIS providers as partners, not as vendors)
- Awareness of strategic differences between countries and organizations
- Awareness of the need of *cultural and systemic changes that are complex and slow to implement*

(4) Potential role for euroCRIS

Accompanying, and shaping the transformation

- Promoting basic CRIS principles as a reference in the framework of DORA
 - What is a CRIS?
 - What is a good CRIS?
 - CERIF refactoring (*more customizable, engaging the community*)
- Providing a forum for the debate on the transformation of research assessment
 - Facilitating the sharing of experiences and the exchange of good practices
 - Fostering standards of new assessment tools and metrics
 - Including system developers and editors, project and system managers, funders, research organizations and institutions...
- Providing expertise for the development of appropriate solutions
 - Considering new strategic partnerships (CoARA)
 - Contributing to experimentation
 - Raising awareness of issues (metadata of non-conventional output, PIDs...)



THE INTERNATIONAL ORGANISATION
FOR RESEARCH INFORMATION



Thank you

joachim.schopfel@univ-lille.fr

azeroual@dzhw.eu