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
International and national initiatives

➢ Targets: research funders, publishers, research institutions and researchers


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

Research and innovation

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(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
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...)

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(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 assesses 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...)
Thank you

joachim.schopfel@univ-lille.fr
azeroual@dzhw.eu