

Emerging policy (pre) conditions for Research Data Management (including workflows)

Opportunities for accelerating scientific discovery: potential of
advanced and automated workflows

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JC Burgelman

Faculty of Social Science and Solvay Business School

Free University of Brussels



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Open research data is de facto a big issue in European R&I policy making

- Mandatory OD (including algorithms) in EC and several MS.
- EOSC – Speech Van Der Leyen
- Go-Fair community

Driven by

- Reproducible science (opp cost of non fair open data estimated 10 billion)
- Data as the new oil for European economy – research data a strategic asset.
- No new dependencies (like Google, Facebook etc)

How is/should this (be) reflected in what happens in RDM

1. Make EOSC the place of the SCIENCE COMMONS in Europe.
2. Extend the FAIR principles to all the tools the FAIR data are subject to (meaning FAIR research workflows)
3. Smart open deals with publishing/platform providers (see the recent Dutch agreement with Elsevier)
4. Embed compliance in the design of the SW of ORD services and standards (GDPR compliant) or the architecture of the sharing and access system (see PHT - VODAN).

And most importantly: lets work on this in a transatlantic way and set the global standard for reproducible science

- Together we represent 60+ % of the world science.
- RDA and CODATA key actors to make this happen

“Sapere Aude - possibilismus est”
Be courageous – it is possible

Thank You

All EC policies of the last 6 years are documented and put into context here

1. (2019) Open Science, Open Data, and Open Scholarship: European Policies to Make Science Fit for the Twenty-First Century
<https://www.frontiersin.org/articles/10.3389/fdata.2019.00043/full>

2. (2019)
Architectures of Knowledge: The European Open Science Cloud.
<https://www.degruyter.com/downloadpdf/j/abit.2019.39.issue-2/abitech-2019-2006/abitech-2019-2006.pdf>