CIVIS open science statement - draft

We, CIVIS community of scholars, hereby declare our commitment to the values of Open Science.

Open Science is a system change allowing for better science through open and collaborative ways of producing and sharing knowledge and data, as early as possible in the research process, and for communicating and sharing results. This new approach affects research institutions and science practices by bringing about new ways of funding, evaluating and rewarding researchers. Open Science increases the quality and impact of science by fostering reproducibility and interdisciplinarity. It makes science more efficient through better sharing of resources, more reliable through better verification and more responsive to society's needs. (European Commission, Open Science, 2019[1])

To reach CIVIS's goal of making teaching and research as open as possible, as is stated in CIVIS's Mission statement[2], we commit to openly sharing the products of our research and scholarship, and therefore state the following:

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[1]

https://ec.europa.eu/info/sites/info/files/research_and_innovation/knowledge_publications_tools_and_data/documents/ec_rtd_factsheet-open-science_2019.pdf

[2] "developing CIVIS through global challenges (...) stimulates a collaborative culture and requires innovative pedagogies fostering critical thinking, adaptability, resilience and forward-looking skills. To share and build knowledge among students, teachers, researchers and civil society, we will make educational, science and citizen science resources as open and accessible to all as possible in line with Open Science and Open Educational Resources frames. (...) Each of the projects within CIVIS will be the subject of intense efforts to disseminate results to the widest possible audience. Our impact and sustainability will also find their source in the remarkable breadth of this pool of talents and skills, which will benefit from CIVIS actions and then bring back to CIVIS, through an extensive network of alumni, new partnerships, new ideas and new opportunities, reinforced by our link with society through Open Education, Open Access, Open Science." https://civis.eu/storage/files/mission-statement-en.pdf

Research Indicators and Next-Generation Metrics in support of Open Science

CIVIS universities promote the development of new research indicators to complement the conventional indicators for research quality and impact, so as to do justice to open science practices and, going beyond pure bibliometric indicators, to promote also non-bibliometric research products. In particular the metrics should extend the conventional bibliometric indicators in order to cover new forms of research outputs, such as research data and research software.

CIVIS universities encourage more responsible approaches to the use of metrics to improve research assessment in support of Open Science.

Incentives and Rewards for researchers to engage in Open Science activities

Research career evaluation systems should fully acknowledge open science activities.

CIVIS members encourage the inclusion of Open Science practices in their assessment mechanisms for rewards, promotion and/or tenure, along the [Open Science Career Assessment Matrix](#)[3].

FAIR Data

As research data continue to increase in volume, complexity and creation speed, the [FAIR principles](#)[4] aim to provide guidelines to improve the **F**indability, **A**ccessibility, **I**nteroperability, and **R**euse of data. Each FAIR principle consists of a set of characteristics that data and metadata must have in order to facilitate their discovery and use by both humans and machines.

CIVIS universities promote the FAIR principles, support their researchers to make their data FAIR and provide their researchers with the appropriate infrastructure and guidance for describing, storing and sharing their data.

Future of Scholarly Communication

The CIVIS universities support the Open Access Transformation in scholarly communication. In doing so, they are involved in the various forms of Open Access: open access publications, institutional repositories, open source software, open publishing platforms.

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[3] https://ec.europa.eu/research/openscience/pdf/os_rewards_wgreport_final.pdf
[4] https://www.go-fair.org/fair-principles/

They also support efforts to preserve all the actors of the publishing value chain, according to the principle of bibliodiversity developed in the [Jussieu Call](https://jussieucall.org/jussieu-call/)[5].

All publications produced in the context of the CIVIS project should be available in Open Access, in compliance with the national legislation concerning intellectual property rights (IPR).

Open educational resources

CIVIS universities encourage the development and use of open educational resources (OER) by its members and support the CIVIS academic community by providing training about OER design, IPR, open licences, etc. Incentives for enhancing cooperation among CIVIS members for joint OER development should be provided, mainly by sharing OER support services & infrastructure (learning management systems, platforms, applications, tools).

All educational material produced within the CIVIS project should be provided as OER. CIVIS contributes to the open education movement by opening selected courses and other educational resources to the general public.

Collaboration with society

The CIVIS universities promote open science in all its aspects, and therefore spread the knowledge to the general public by supporting citizen science initiatives. A key goal is to increase the public's awareness of open science in order to gain access and contribute to research, and to develop several forms of collaboration between academia and the general public.

CIVIS is committed to the development of Open Science. Our universities collaborate and exchange best practices along the points included in this statement, and the implementation of open science as a way forward for the future of European universities.

This statement is consistent with the EU's open science policy[6] developed by the European commission, including the EOSC initiative[7].

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[5] https://jussieucall.org/jussieu-call/

[6] European Commission open science policy :
https://ec.europa.eu/info/research-and-innovation/strategy/goals-research-and-innovation-policy/open-science_en

[7] European Open Science Cloud (EOSC) :
https://ec.europa.eu/info/research-and-innovation/strategy/goals-research-and-innovation-policy/open-science/eosc_en