



# OPEN SCIENCE SKILLS

## References – June 2019

This reference list is shared by the LIBER Digital Skills for Library Staff & Researchers working group

[https://www.zotero.org/groups/2340674/liber\\_digital\\_skills\\_for\\_open\\_science](https://www.zotero.org/groups/2340674/liber_digital_skills_for_open_science)

### Journal articles

- Blake, M., Gallimore, V., & Radford, K. (2018). Space, Scholarship and Skills: building library strategy on new and emerging needs of the academic community. *LIBER Quarterly*, 28(1), 1–15. <https://doi.org/10.18352/lq.10254>
- Burton, M., Lyon, L., Erdmann, C., & Tijerina, B. (2018). Shifting to Data Savvy: The Future of Data Science In Libraries [Monograph]. Retrieved May 8, 2019, from <http://d-scholarship.pitt.edu/33891/>
- Buss, M. C. H., & Holmstrand, K. F. (2018). Open Science skills in Danish research libraries. Abstract from *Digital Infrastructures for Research 2018*, Lisbon, Portugal. [http://orbit.dtu.dk/en/publications/open-science-skills-in-danish-research-libraries\(8e97bccb-15b8-4d4f-826f-892c46d31484\).html](http://orbit.dtu.dk/en/publications/open-science-skills-in-danish-research-libraries(8e97bccb-15b8-4d4f-826f-892c46d31484).html)
- Carlson, J., Nelson, M. S., Johnston, L. R., & Koshofer, A. (2015). Developing Data Literacy Programs: Working with Faculty, Graduate Students and Undergraduates. *Bulletin of the Association for Information Science and Technology*, 41(6), 14–17. <https://doi.org/10.1002/bult.2015.1720410608>
- Competencies for bibliometrics - Andrew Cox, Elizabeth Gadd, Sabrina Petersohn, Laura Sbaffi, 2017. (n.d.). Retrieved May 8, 2019, from <https://journals.sagepub.com/doi/10.1177/0961000617728111>
- Grimme, S., Taylor, M., Elliott, M. A., Holland, C., Potter, P., & Watkinson, C. (2019). The State of Open Monographs. *Figshare*. <https://doi.org/10.6084/m9.figshare.8197625.v4>
- Library Carpentry: Software Skills Training for Library Professionals / International Journal of Digital Curation*. (n.d.). Retrieved from <http://www.ijdc.net/article/view/576>

Pontika, N., Knoth, P., Cancellieri, M., & Pearce, S. (2015). Fostering open science to research using a taxonomy and an eLearning portal. *Proceedings of the 15th International Conference on Knowledge Technologies and Data-Driven Business - i-KNOW '15*, 1–8. <https://doi.org/10.1145/2809563.2809571>

see also: [Open Access version \(Accepted Manuscript\)](#)

Raju, J. (2014). Knowledge and skills for the digital era academic library. *The Journal of Academic Librarianship*, 40(2), 163–170. <https://doi.org/10.1016/j.acalib.2014.02.007>

Sichani, A.-M., Baker, J., Llach, M. J. A., & Walsh, B. (2019). Diversity and inclusion in digital scholarship and pedagogy: the case of *The Programming Historian*. *Insights*, 32(1), 16. <http://doi.org/10.1629/uksg.465>

van Deursen, A., & van Dijk, J. (n.d.). *MEASURING DIGITAL SKILLS*. 25. <https://www.utwente.nl/nl/bms/com/bestanden/ICA2008.pdf>

## Reports

D7.1: Skills landscape analysis and competence model | eoscpilot.eu. (n.d.). Retrieved May 3, 2019, from <https://eoscpilot.eu/content/d71-skills-landscape-analysis-and-competence-model>

D7.2: Interim report and catalogue of EOSC skills training and educational materials | eoscpilot.eu. (n.d.). Retrieved May 3, 2019, from <https://eoscpilot.eu/content/d72-interim-report-and-catalogue-eosc-skills-training-and-educational-materials>

D7.5: Strategy for Sustainable Development of Skills and Capabilities | eoscpilot.eu. (n.d.). Retrieved June 13, 2019, from <https://eoscpilot.eu/content/d75-strategy-sustainable-development-skills-and-capabilities>

Union, P. O. of the E. (2017, November 14). Providing researchers with the skills and competencies they need to practice Open Science. [Website]. Retrieved May 2, 2019, from <https://publications.europa.eu/en/publication-detail/-/publication/3b4e1847-c9ca-11e7-8e69-01aa75ed71a1>

## Skills lists and frameworks

- Carretero, S., Vuorikari, R., Punie, Y., European Commission, & Joint Research Centre. (2017). *DigComp 2.1 the digital competence framework for citizens with eight proficiency levels and examples of use.* <http://dx.doi.org/10.2791/11517>
- D7.3: Stewardship Skills for Open Science and Scholarship | eoscpilot.eu. (n.d.). Retrieved May 3, 2019, from <https://eoscpilot.eu/themes/wp-7skills/stewardship-skills-open-science-and-scholarship>
- fair4s\_eoscpilot\_skills\_framework.pdf.* (n.d.). Retrieved from [https://www.eoscpilot.eu/sites/default/files/fair4s\\_eoscpilot\\_skills\\_framework.pdf#overlay-context=media/eoscpilot-policy-and-skills-frameworks-influence-draft-proposals](https://www.eoscpilot.eu/sites/default/files/fair4s_eoscpilot_skills_framework.pdf#overlay-context=media/eoscpilot-policy-and-skills-frameworks-influence-draft-proposals)
- Gaind, N. (2018). Few UK universities have adopted rules against impact-factor abuse. *Nature.* <https://doi.org/10.1038/d41586-018-01874-w>
- Get the e-CF | European e-Competence Framework. (n.d.). Retrieved May 8, 2019, from <http://www.ecompetences.eu/get-the-e-cf/>
- Grigorov, I., Carvalho, J., Ball, D., Bjørnshauge, L., Cancillieri, M., Davidson, J., ... Swan, A. (2015). *FOSTER Open Science Learning Objectives.* <https://doi.org/10.5281/zenodo.15603>
- team, F. (2016, June 1). DigComp 2.0: The Digital Competence Framework for Citizens. Update Phase 1: the Conceptual Reference Model. [Text]. Retrieved May 8, 2019, from EU Science Hub - European Commission website: <https://ec.europa.eu/jrc/en/publication/european-scientific-and-technical-research-reports/digcomp-20-digital-competence-framework-citizens-update-phase-1-conceptual-reference-model>
- Wardle, C. (n.d.). *Information Disorder: The Essential Glossary.* 8. [https://firstdraftnews.org/wp-content/uploads/2018/07/infoDisorder\\_glossary.pdf](https://firstdraftnews.org/wp-content/uploads/2018/07/infoDisorder_glossary.pdf)
- What is digital capability? (n.d.). Retrieved May 27, 2019, from JISC website: <https://digitalcapability.jisc.ac.uk/what-is-digital-capability/>

Wouters, P., Sugimoto, C. R., Larivière, V., McVeigh, M. E., Pulverer, B., Rijcke, S. de, & Waltman, L. (2019). Rethinking impact factors: better ways to judge a journal. *Nature*, 569(7758), 621. <https://doi.org/10.1038/d41586-019-01643-3>

Yuri Demchenko, Tomasz Wiktorski, & Adam Belloum. (2017). *EDISON Data Science Framework: Part 4. Data Science Professional profiles (DSP profiles) Release 2.* <https://doi.org/10.5281/zenodo.1044364>

## Training material

Courses | FOSTER. (n.d.). Retrieved May 8, 2019,

from <https://www.fosteropenscience.eu/courses>

Data Management Expert Guide - CESSDA TRAINING. (n.d.). Retrieved May 9, 2019, from

<https://www.cessda.eu/Training/Training-Resources/Library/Data-Management-Expert-Guide>

eLearning - European Data Portal - European Data Portal. (n.d.). Retrieved June 14, 2019, from European Data Portal website: <https://www.europeandataportal.eu/en/resources/elearning>

Open Science: Sharing Your Research with the World [MOOC]. (n.d.). Retrieved May 13, 2019,

from <https://www.edx.org/course/open-science-sharing-your-research-with-the-world-2>

Open Science Training Handbook. (n.d.). Retrieved May 2, 2019, from

[www.book.fosteropenscience.eu](http://www.book.fosteropenscience.eu)