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Enabling a Global Research Commons through vertical interoperability of research tools and services

Tuesday 5 November 2024 11:20 (20 minutes)

Interoperability is an ongoing challenge given the diverse nature of research and the tools and services researchers use. Addressing interoperability challenges and FAIRification of research at scale is therefore only possible with solid knowledge about the tools and services used in each stage of the research cycle and a forward-facing vision of how they might work together.

For the latter, the RDA Global Open Research Commons Working Group published in October, 2023 the Global Open Research Commons International Model (GORC Model) and made available a well-researched and fully featured template for a Research Commons. To borrow the definition by Scott Yockel, University Research Computing Officer at Harvard, a research commons "brings together data with cloud computing infrastructure and commonly used software, services and applications for managing, analyzing and sharing data to create an interoperable resource for a research community".

For the former, the RDA Mapping the landscape of digital research tools Working Group has mapped existing tools across the research cycle in the so called MaLDreTH (Mapping the Landscape of Digital Research Tools Harmonised) model which may facilitate initiatives for improving the interoperability of these tools to better support researchers with FAIR workflows.

In this presentation, we will provide an overview about the GORC model, and how it has been applied in designing the proposed Research Commons for Norway (REASON), that was submitted to the Norwegian Infrastructure Fund in November, 2023. Additionally, we will share the latest version of the MaLDreTH model to stimulate and inform discussions on how to build highly interoperable research ecosystems.

Please specify "other"

Tool provider

In addition, please add 3 to 5 keywords.

Research Commons, Vertical Interoperability, Research Cloud, FAIR data

Please specify "other"

For whom will your contribution be of most interest?

Expert panels, strategists and administrative stakeholders

Please assign yourself (presenting author) to one of the following groups.

other (please specify)

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