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The CREATIVE project - customising a generic repository with domain-specific metadata

Monday 4 November 2024 15:00 (1 hour)

The CREATIVE project aims to make the generic repository RADAR4KIT easily accessible and attractive for the domain-specific communities organized in the Climate and Environment Centre (CEC) at the Karlsruhe Institute of Technology (KIT). This aim will be achieved with the help of customized templates and input masks for subject-specific metadata, which enhance the RADAR4KIT usability for the CEC scientists and thus facilitate data publication beyond the generic functionalities of the repository.

At the same time, the subject-specific metadata schemas are harmonised with the schemas used by the NFDI4Earth, the National Research Data Infrastructure (NFDI) for Earth System Sciences (ESS), and the virtual research environment V-FOR-WaTer, which is being developed at KIT in a collaboration between, mainly, hydrologists and computer scientists. This harmonisation effort in combination with corresponding interfaces enable the domain-specific (meta) data to be included in the data base of NFDI4Earth and promotes broader use of the data beyond KIT. Additionally, by implementing the interfaces and the standardized metadata description, the CEC researchers can use V-FOR-WaTer to pre-process, edit and visualize the data, thus accelerating scientific work with the data sets and their interdisciplinary use. RADAR4KIT then functions as an adapted specialist repository for the CEC institutes and connects meaningfully to other initiatives. The adaptation steps for the templates can be transferred to other specialist areas at KIT and via detailed documentation and publication with NFDI4Earth also in other domains in the ESS.

Another key focus of the CREATIVE project is connecting and supporting the data stewards at the CEC institutes. For the most part there are no designated positions for this task, so usually researchers and PhD students take on the role unofficially and out of necessity - often without a clear overview of existing research data management (RDM) structures, tools and support. CREATIVE aims to facilitate the exchange between data stewards using the example of publishing data via RADAR4KIT, supported by the CREATIVE team. Several workshops during the development of the metadata templates and during the testing phase are meant to further strengthen this exchange and establish a network of data stewards, thus, supporting sustainable and future-proof research data management (RDM) at KIT.

Please specify "other"

In addition, please add 3 to 5 keywords.

metadata template, data stewards, domain-specific, harmonisation

Please specify "other"

For whom will your contribution be of most interest?

Data professionals and stewards

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

Data professionals and stewards

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