(maDMP) Ensuring the software accessibility and reusability in the short, medium and long term

What:

Our project corresponds to an extension of the RDA machine-actionable Data Management Plan (maDMP) application profile and its corresponding DMP Common Standard ontology (DCSO) in order to cover the case of ELIXIR Software Management Plans (SMP). Similar to DMPs, SMPs help formalize a set of structures and goals that ensure the software is accessible and reusable in the short, medium and long term. Although targeting the life sciences community, most of the elements of the ELIXIR SMPs are domain agnostic and could be used by other communities as well. DMPs and SMPs can be presented as text-based documents, sometimes guided by a set of questions corresponding to key points related to the lifecycle of either data or software. The RDA DMP Common Standards working group defined a maDMP to overcome limitations of text-based documents. We propose a similar path for the ELIXIR SMPs so they turn into machine-actionable SMPs (maSMPs).

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Who:

Olga Giraldo (ontologist and metadata curator) and Leyla Jael Castro (semantic technologies team leader) at ZB MED Information Centre for Life Sciences

Biography:

Leyla Jael Castro is a Computer Scientist interested in semantic web, linked data, ontologies, semantic data science and education. She has worked on software development and data integration (mostly using Java and JavaScript plus some Python), semantic web (mostly on named entity recognition and its linked data applications) and project coordination (protein data integration across different teams, scientific events chairing and organization, and community-based projects). She has also worked as university lecturer on software development and information systems. Leyla is currently working as team leader for the Semantic Retrieval team, part of the Knowledge Management Group, at ZBMED Information Centre for life sciences.

Olga Giraldo is a Biologist with a master's in Plant Biotechnology and a PhD in Artificial Intelligence. Her research experience is related to ontologies and using semantic technology to support knowledge discovery in biomedical documents. Olga is currently working at ZBMED Information Centre for life sciences in aspects related to the curation of research-related semantic descriptors for biomedical data and literature and as an ontologist.

Scientific Domain:

Semantic web, structured metadata, life sciences

Country:

Germany

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