

Metadata as a tool to data research management: a summary report

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Research data is an essential asset to the following of a scientific research. Nowadays, a major part of these data is produced through computational softwares, in a growing variety of formats, sizes and complexity. Because of that, it is important to identify ways to preserve and describe this data to reuse it, thinking on the financial resources and the growing efforts of the research groups. The following study shows the idea of metadata to describe research data as important tools to the contextualization of the data and the possibility of reuse. The study presents types of metadata and their importance to the present stage of science, giving special attention to the OAIS (*Open Archival Information System*) model [1] – characterized as one of the most important metamodels to describe metadata. The study also describes metadata standardization and availability initiatives, as the Dataverse [2] and Chronopolis [3] projects, that seek ways to describe data in a criterious form, making easier for research groups to retrieve and reuse data.

References

- [1] SAYÃO, L. F. Uma outra face dos metadados: informações para a gestão da preservação digital. **Encontros Bibli: revista eletrônica de biblioteconomia e ciência da informação**, Florianópolis, v. 15, n. 30, p. 1-31, out. 2010
- [2] DATAVERSE. About the project. Disponível em: <<http://dataverse.org/about>>. Acesso em: 23 maio 2017.
- [3] MINOR, D. et al. Chronopolis: preserving our digital heritage. In: INTERNATIONAL CONFERENCE ON PRESERVATION OF DIGITAL OBJECTS, 6., 2009, São Francisco. **Anais...** São Francisco: California Digital Library, 2009. Não paginado.