

Electronic laboratory notebook usage for open science and research data preservation practices: a summary report

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The current scientific research generates different kinds of data, and the digital environment is the place where most part of it is produced. The scientific data becomes more complex and multidisciplinary and new management processes has to be put in practice. This progress report analyses the pros and cons of the electronic laboratory notebooks, as an alternative to the paper laboratory notebooks, to the best research data management and their posterior share, taking in account the open science movement [1] and the role of the librarians as intermediate between data preservation and access, taking them as the responsible professionals to the information curatorship produced and registered for researches in their research practices [2]. Bibliographic research was made to analyse the electronic laboratory notebooks and, for Brazil research reality, some problems could be noticed: it is very hard to conserve research data, for the lack of experience of the information professionals with digital repositories, for the inefficiency of institutions of research and the overall culture of secret that runs through research as a whole. But, even with this barriers, the usage of electronic laboratory notebooks increases the potentiality of share and reuse of data.

References

- [1] VILLALOBOS, A. P. O.; GOMES, F. A. Padronização de metadados na representação da informação em repositórios institucionais de universidades federais brasileiras. In: ENCONTRO NACIONAL DE PESQUISA EM CIÊNCIA DA INFORMAÇÃO. 16., 2015, João Pessoa. *Anais...* João Pessoa: UFPB, 2015. Não paginado.
- [2] CORRÊA, F. C. O papel dos bibliotecários na gestão de dados científicos. *Revista Digital de Biblioteconomia e Ciência da Informação*, São Paulo, v 14, n. 3, p. 387-406, 2016.