



Overview of research data repositories in soil sciences

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The BonaRes-project targets “soil as a sustainable resource for the bioeconomy” and is funded since 2015 by the German Federal Ministry of Education and Research (BMBF) in the frame of the National Research Strategy BioEconomy 2030. BonaRes consists of ten interdisciplinary research project consortia and the ‘BonaRes – Centre for Soil Research’ (Wollschläger et al 2016).

One task of the BonaRes Data Centre, which is part of the ‘BonaRes – Centre for Soil Research’, is to provide information about the current state of data repositories for soil science data, their accessibility for scientific analysis and their interoperability with the BonaRes data portal.

Research data repositories play an important role for the scientific discourse in both directions: at the one hand for data creators in the scope of trustworthy archiving and data publication and on the other hand for data findability and long-term accessibility of data for the users. In connection to efforts with an open access scope, the number of research data repositories has grown steadily over recent years, ranging from subject-based repositories or institutional repositories to governmental or research project repositories. The topic of soil sciences as a classical interdisciplinary research field is part of a great variety of research data repositories from different disciplines, like climate, land use, ecology or economy.

We present an overview of the most important research data repositories in soil sciences with a focus on how their services meet the demand of the both parties – data creators and data users – and where potential gaps exist.

Literature

Wollschläger, U; Helming, K.; Heinrich, U.; Bartke, S.; Kögel-Knabner, I.; Russell, D.; Eberhardt, E. & Vogel, H.-J. (2016): The BonaRes Centre – A virtual institute for soil research in the context of a sustainable bio-economy. Geophysical Research Abstracts Vol. 18, EGU2016-9087, <http://meetingorganizer.copernicus.org/EGU2016/EGU2016-9087.pdf>.