



The BonaRes infrastructure for open soil and agricultural research data: Use-case "Long-term Field Experiment data"

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Background

In the frame of the German funding initiative BonaRes ("Soil as a sustainable resource for the bioeconomy") a data infrastructure was set-up to upload, manage, store, archive, and provide soil- and agricultural research data, data from long-term field experiments (LTFE) and associated metadata.

- LTFE are heritages for agricultural science
- In Germany more than 200 LTFE with running times of >20 years were identified
- LTFE data are highly divers, decentralized, difficult to access and to compare and inconsistently described by metadata
- An uniform BonaRes LTFE data base schema (including agricultural activities, methods, units, and results) would facilitate data re-usability









