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FairAGRO in a nutshell - making agrosystem domain data fair and sustainable

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Here, we will present the NFDI FairAGRO dedicated to agrosystem data. These data require an integrated systems perspective to develop sustainable crop production systems, consider interactions between agriculture and the environment (e.g., plants, soil, microbiota), and relationships between scales (space, time, and organisms). Special features of agrosystem research data are geospatial information which might be coupled to data collected on private land (cropland, pasture). Accordingly, data protection aspects must be taken into account here.

The goal of the community-driven FairAGRO consortium is to provide researchers with a FAIR and quality-assured research data management (RDM) for generating, publishing, and accessing research data, to provide innovative and user-friendly RDM services, and to create modern data science methods for advancing agrosystems research. Using a Use case driven approach FairAGRO addresses key RDM challenges and contributes to the implementation of standards and services for selected research data infrastuctures. We will give an overview of FairAGRO the challenges in agrosystems research and FairAGRO's approach.

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