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Facilitating Research Data Management for Fundamental Plant Science

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The evolution of digital methods and the broad availability of high throughput methods makes efficient research data management an essential necessity. This applies in particular to the field of fundamental plant science. Within the NFDI consortium DataPlant we rely on the ISA-Tab standard to annotate research data. Well annotated research data objects are called Annotated Research Context (ARC) and contain the actual research data as well as curated metadata describing its content. The specific benefit of using ARCs lies within their versioning and tracking of provenance, relying on Gitlab instances as federated repositories. DataPLANT offers various web-based services and tools to facilitate the handling of research data for scientists.

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