Work Package description

WP1&2 - Technical development & Implementation use cases
FAIR data management is an overarching goal in all fields of science, but it remains under-adopted. Part of this under-adoption is due to the lack of available infrastructure to enable researchers to manage data in a FAIR way throughout the data lifecycle from generation to archiving.

To provide solutions, in WP1 (Technical development) we offer activities dealing with the technical implementation of this data backbone. The infrastructure is based on the open source middleware iRODS. In addition to the raw infrastructure, in WP2 (Implementation use cases) we focus on transforming current data practices to iRODS-based methods, requiring process, cultural and technical changes. We address specific research group questions selected through the WP3 (value creation) process, using existing teams and project funding to make iRODS user-friendly in workflows.

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WP3 - Value Creation
WP3 targets sustainable development for the 19 WR use cases from, focusing on creating viable financial models and user validation with external business development support Bart Doorneweert. Through stakeholder involvement, we aim to ensure longevity beyond the project's conclusion. Our approach includes 1-1 mentoring, lean-coffee's, user-centric design, and validation with users to ensure our infrastructure meets real needs. By project end, we hope to have the use cases be ready for onboarding more users/data.

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WP4 - Governance and Policy
Data governance is an essential part of research data management in an organization. But what is data governance? How does it differ from research data management? What does data governance mean on project level? This is what we are exploring in WP4 'Governance and Policies'. We will answer the following questions: 1) What is data governance? 2) What does data governance look like within WUR flagship projects? 3) Can we create a data governance checklist to increase sustainability of research output? Give the aim of WCDS, we look at 'data governance' from an infrastructural perspective. In other words, we distinguish infrastructure and humans; and look how data governance glues them together.

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WP5 - Alliances
Common data solutions for research do not work in isolation. For a sustainable development of data solutions in research groups at WR we work extensively with external strategic partners. We introduce the WR vision on common data solutions to those partners and we take back feedback to improve our work. The constant exchange with partners also gives us the chance to work on extensions of the work we do in WCDS so we can build the next generations of infrastructure and provide the support that researchers need every day in their research avenues.

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WP6 - Education
The WCDS work package 6 focuses on developing expertise for WUR Common Data Solutions. This includes making an inventory of the common practice of research data management at WUR, definition of learning goals and identification (and creation if necessary) of learning activities and materials. The work package focuses on increasing awareness and capacity building on applying FAIR data principles among WUR researchers while managing their research data. Addressing this problem is critical to promote high-quality research which is transparent, reproducible and foster effective cooperation between researchers.

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WP7 – Communities
Projects are running, people are working on their deliverables. Data is being organised, but are people also get organised? Do we have a vibrant community to share experiences, learn and discover new approaches? Having a vibrant community at WUR and even outside WUR helps to develop and embed the results that are being created with the projects. This work package has the luxury of focusing not only on getting results out of the projects and embedding them in the organisation, but also on having the right mindset, the right connections and e.g. the right gender balance. So the community events organised by this work package have a different tone and an infinite purpose.

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WP8 – Communication
In WP8 we aim to increase the reach and resonance of the use cases. We emphasise and specialise in making connections, fostering understanding and encouraging meaningful engagement. Together, we ensure that the message has a lasting impact, inspires collaboration and encourages progress.

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