

Project descriptions (Round 1)

Avian influenza

Institutes: WBVR & WEcR

The project aims to develop a data handling workflow for epidemiological research data on avian influenza (bird flu) outbreaks. The outcome of the project will be a harmonised set of procedures for the acquisition of avian influenza epidemiological data, capable of handling data from different sources.

Ronald Petie
ronald.petie@wur.nl

Geonetwork iRods (Pilot)

Institutes: WEnR & WMR

WMR and WEnR have chosen Geonetwork as a suitable platform to provide metadata to WUR and the external community. The aim of the pilot project is to investigate the (automated) interface possibilities between iRods and Geonetwork. The outcome of the project will be to store research data in/with Yoda, including metadata, to interface this metadata from iRods to Geonetwork, and to serve files to users in Geonetwork directly from the Yoda/iRods infrastructure.

Maarten Storm
maarten.storm@wur.nl

Infrastructure Geospatial data (Pilot)

Institutes: WEnR

This pilot project aims to develop a new infrastructure for WUR staff and students to access geospatial data for research and teaching. The outcome of the project will be a more accessible and future-proof infrastructure for the provision of geospatial data.

Maarten Storm
maarten.storm@wur.nl

Situ data

Institutes: WENR & WU-PPS

The project aims to FAIRify in-situ agronomic data management systems for effective crop productivity analysis and research. The outcome of the project is to create a global crop repository, to lead in data engineering, to share available WUR data, and to connect researchers/government.

Hendrik Boogaard
hendrik.boogaard@wur.nl

RDM at GTB

Institutes: WPR

In greenhouses, large amounts of data are collected by different researchers in different formats that they are not connected, findable or accessible, and important databases are often not stored in a secure way. The project aims to develop an RDM policy and data management practices focused on greenhouse data. As a result of the project, FAIR data from selected greenhouse facilities in Bleiswijk will be exchanged via IRods' Common Data Solutions to make the data available to researchers for analysis and interpretation. Implemented RDM policy and data management procedures.

Tim van Daalen
tim.vandaalen@wur.nl

OneHealth surveillance

Institutes: WBVR

The project aims to provide a solution for remotely disclosing decentralized genomic data resources (databases) for foodborne pathogens in order to optimize sharing and clustering for One-Health surveillance. The target outcome is to develop scripts and experiences for setting up standardized RDF endpoints to store, share, and (automatically) analyze genomic data using the SPARQL and iRODS frameworks.

Dirkjan Schokker
dirkjan.schokker@wur.nl

Streamlining models

Institutes: WEcR

The project aims to provide a solution to streamline the creation of data models and the underlying FAIR data infrastructure through the use of ontologies and automatic generation techniques, reducing the burden of data management and improving data quality at all stages of the consumer research data value chain. The outcome of the project will be a research infrastructure to be used within the WUR consumer research community, based on harmonised measures and tools for automatic generation of data models and FAIR infrastructure.

Jules Bloem
jules.bloem@wur.nl

WLR FAIR

Institutes: WLR

Within WLR, heterogeneous data from different sources are collected and utilized in research projects. The aim of this project is to develop and integrate a new approach within WLR, where FAIR data storage is an integral part of research projects from the outset. Additionally, existing databases will be linked to iRODS to automate the provision of data for research projects, including metadata. This integration will build upon the existing WLR data infrastructure, and data stored in iRODS will be searchable to showcase its capabilities.

Wouter Muizelaar
wouter.muizelaar@wur.nl

FAIRDOM seek NPEC

Institutes: WPR

The project aims to create a FAIR infrastructure by combining FAIRDOM-seek with iRODS and creating tools in Python and R for easy upload and access. The output of the project is a containerised setup of FAIRDOM-seek, open source Python and R scripts to connect to FAIRDOM-seek/iRODS via ISA-tab and iRODS rules/trickers.

Sven Warris
sven.warris@wur.nl

Special projects:

A common WUR Data Infrastructure Building Blocks Framework

Institutes: WEnR, WEnR, WLR, WPR, WFSR

The aim of the project is to develop the data sharing 9-block framework (Innopay/iShare) into a practical guideline for data sharing infrastructures at the WUR, using the projects funded in this call as use-cases. The result of the project is the development of a best practice guideline for the application of the data sharing 9-block framework of Innopay/iShare in projects that are typical for the area of life sciences at WUR.

Rob Lokers

rob.lokers@wur.nl

Multi-stakeholder approach

Institutes: WEnR

The project aims to create capacity-building materials and organize workshops to promote FAIR Data Management Practices for iRODS Users. The project will produce technical and practice-oriented guidelines and few example case studies for implementing FAIR principles in iRODS data management.

Parveen Kumar

parveen.kumar@wur.nl