zalf

Leibniz Centre for
Agricultural Landscape Research
(ZALF)

BONARES
Centre for Soil Research

The BonaRes Repository for soil- and agricultural research data

Nikolai Svoboda, Xenia Specka, Carsten Hoffmann and Uwe Heinrich

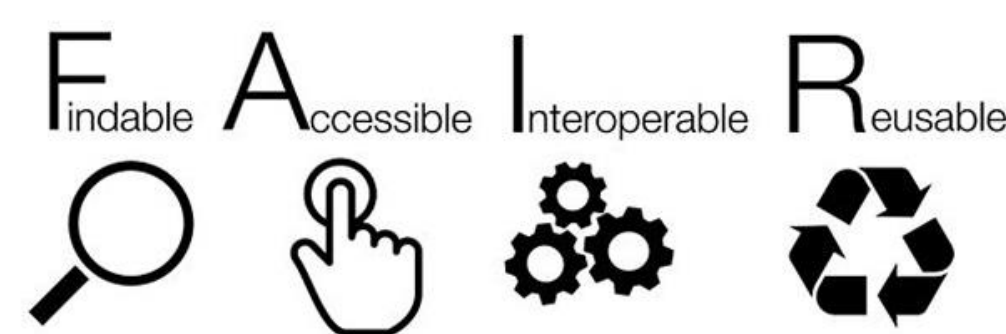Leibniz Centre for Agricultural Landscape Research (ZALF)
svoboda@zalf.de

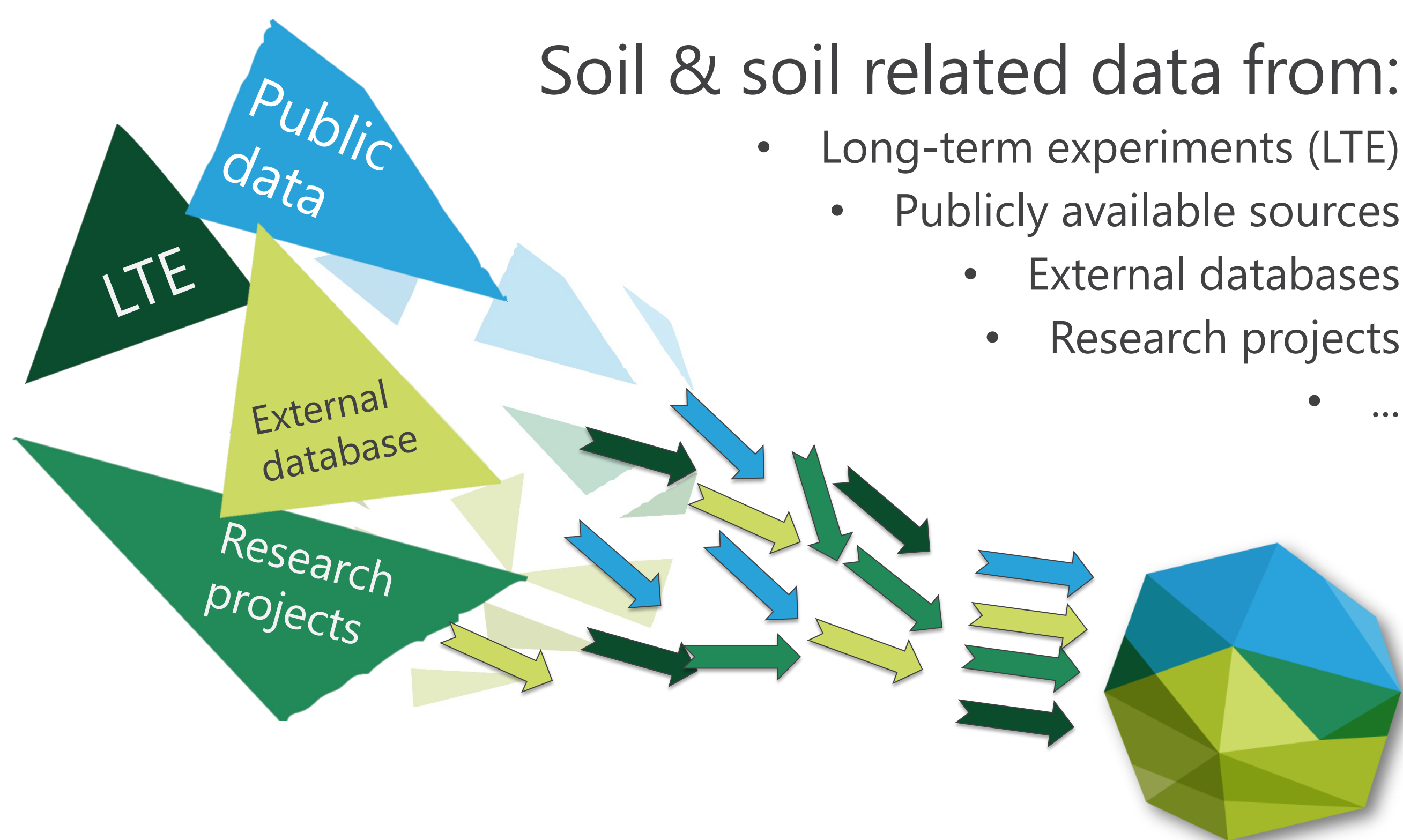The BonaRes Data Centre Team

About BonaRes

BonaRes is short for **"Soil as a sustainable resource for the bioeconomy"**. It is **funded by** the German Federal Ministry of Education and Research (**BMBF**) and **contributes** to the German National Research Strategy **BioEconomy 2030**. BonaRes integrates 16 collaborative projects including the 2020 starting rhizosphere projects and the BonaRes Centre.

Research data becomes Findable Accessible Interoperable Reusable

Soil & soil related data from:
- Long-term experiments (LTE)
- Publicly available sources
- External databases
- Research projects
- ...

LTE · Public data · External database · Research projects

Research community is enabled to...
- manage, upload, describe and publish their research data
- search, find, reuse and cite well documented, quality assured, legally sound, interoperable data, metadata and services in a standardized form

Research data ready for reuse

BonaRes reseach projects

Research-projects · LTE · External database · Publ. data

SENCKENBERG world of biodiversity
edapho base

- **Müncheberg V140**
- Dauerdüngungsversuch Dikopshof (Bonn)
- Phosphordüngungsstrategien (Rostock)
- Langzeit-Düngungsversuch (Darmstadt)
- IOSDV-Versuch Dülmen (YARA)
- ...

Themenkarten Wasserhaushalt der Böden
Add service XML PDF **BGR**

At your service for research data...

...Acquisition	- (Financial) support (LTE) - All datatypes → "use standards and document!"
...Management	- Transformation possible - Quality - Standards, Metatata
... Legal Certainty	- Embargo - Disclaimer - IPR/License
...Provision BonaRes Repository	- **F**indability - **A**ccessability - **I**nteroperability - **R**eusability
...Publication	- Citeability - DOI

BonaRes Repository
- Service-oriented architecture
- Part of distributed SDI; metadata harvesting; OGC WMS services
- ...

BonaRes Data Portal — What do you want to do? — LTE — > Extended Search

Details
Add service
Download
XML PDF

☐ Long-term field experiment V140 Muencheberg from 1963 to 2009 - Plots
Author: Dietmar Barkusky
Publisher: BonaRes Data Centre (Leibniz Centre for Agricultural Landscape Research (ZALF))
Catalog: BonaRes Data Portal
Abstract: This data collection consists of 30 individual tables which are related to each other. G experiment "V140" was established in 1963 at the experimental site of the present Leibniz Cen Märkisch-Oderland. The area is characterized by dry periods, particularly during early summer. respectively. Weather data for the running period of V140 are available at the DWD (station nu

Download ✕

Select the datasets which should be downloaded.
Check all · Uncheck all

Datasets
☑ Long-term field experiment V140 Muencheberg from 1963 to 2009 - Yield
☐ Long-term field experiment V140 Muencheberg from 1963 to 2009 - Plots
☐ Long-term field experiment V140 Muencheberg from 1963 to 2009 - Fertilization

Choose destination format: Microsoft Excel (xlsx)
Destination coordinate system: WGS84 datum, Latitude-Longitude;
Email Address: svoboda@zalf.de

Submit · Cancel

V140: 29 related tables accessible

Hp_Trockenmasse
30,014
33,1684
15,5669
64,9638
15,6826
64,9587
20,9912
74,8981
24,9812
64,5753

47 years time series

creative commons · **AGROVOC** · **DataCite** FIND, ACCESS, AND REUSE DATA · **doi** · **ISO** · **OGC** Making location count.

Outlook
GDI-DE Geodateninfrastruktur Deutschland
- To be harvested into GDI-DE and Google Dataset Search
- Quality assessment in data workflow
- The BonaRes Repository is one of the core infrastructures of the proposed **NFDI4Agri**

HELMHOLTZ CENTRE FOR ENVIRONMENTAL RESEARCH – UFZ · **BGR** Bundesanstalt für Geowissenschaften und Rohstoffe · **SENCKENBERG** world of biodiversity · JUSTUS-LIEBIG-UNIVERSITÄT GIESSEN · **TUM** Technische Universität München · **zalf**

SPONSORED BY THE
Federal Ministry of Education and Research

BONARES Centre for Soil Research

Leibniz Association