



WISSEN
TECHNIK
LEIDENSCHAFT

RDM Marketplace LabNDB



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Digitale
TU Graz

Content

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IMBT/TVFA

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Project team:

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Barbara Schmid

Cooperation partners BioMech

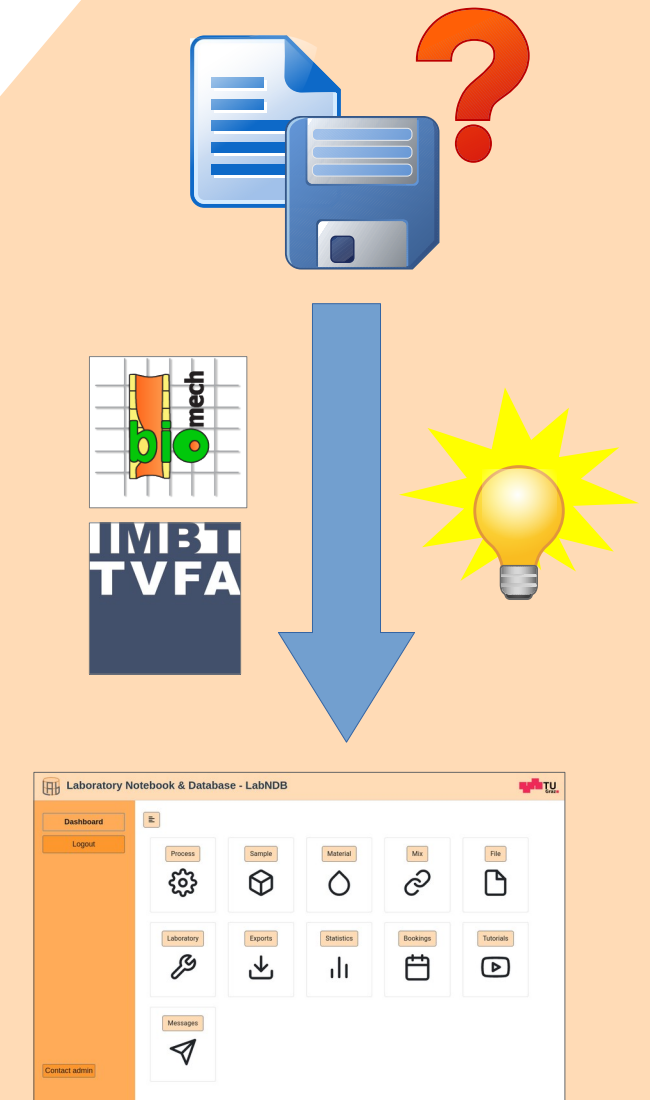
Selda Sherifova

Philipp Knabl

Laboratory Notebook and Database

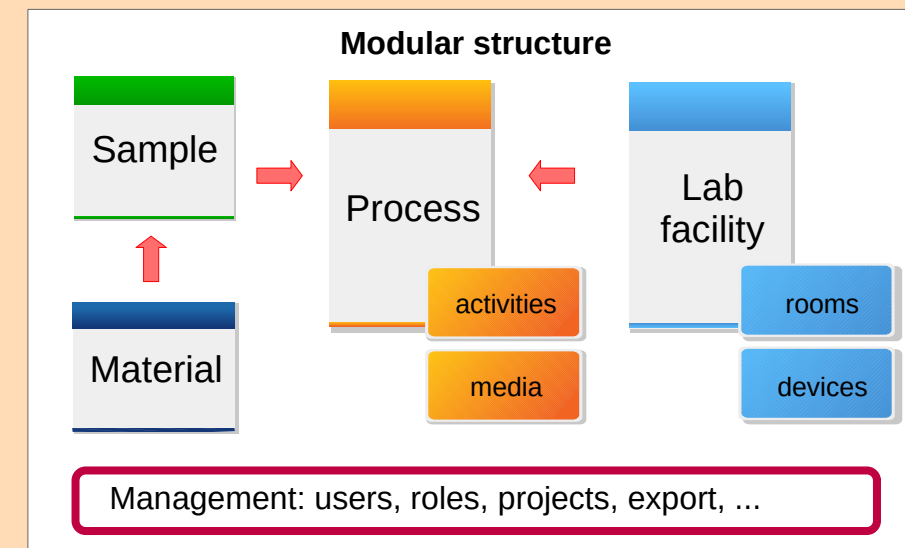
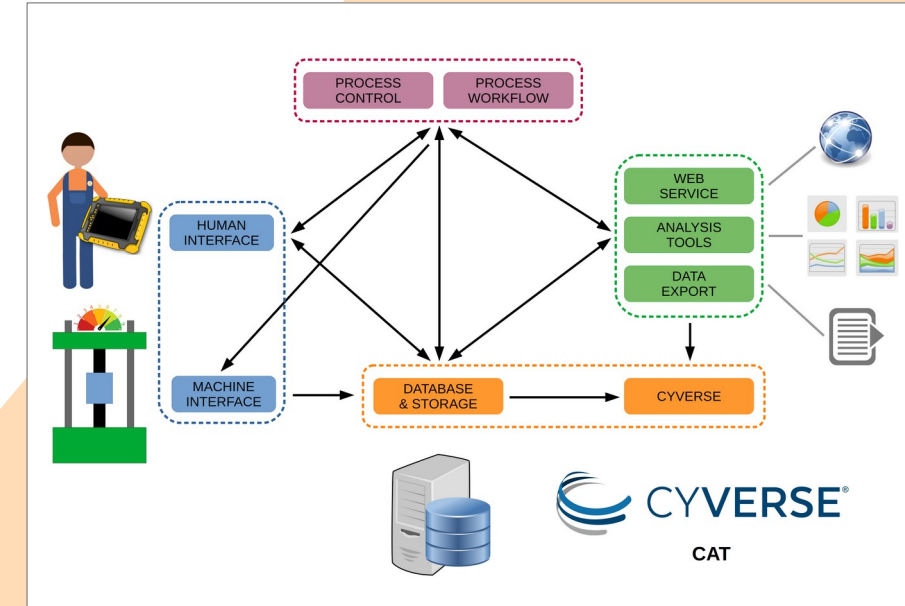
Introduction

- Need for laboratory data management
- For researchers and lab staff
- RDM Marketplace Pilot Project
- Cooperation with RDM biomech
- Web application „LabNDB“



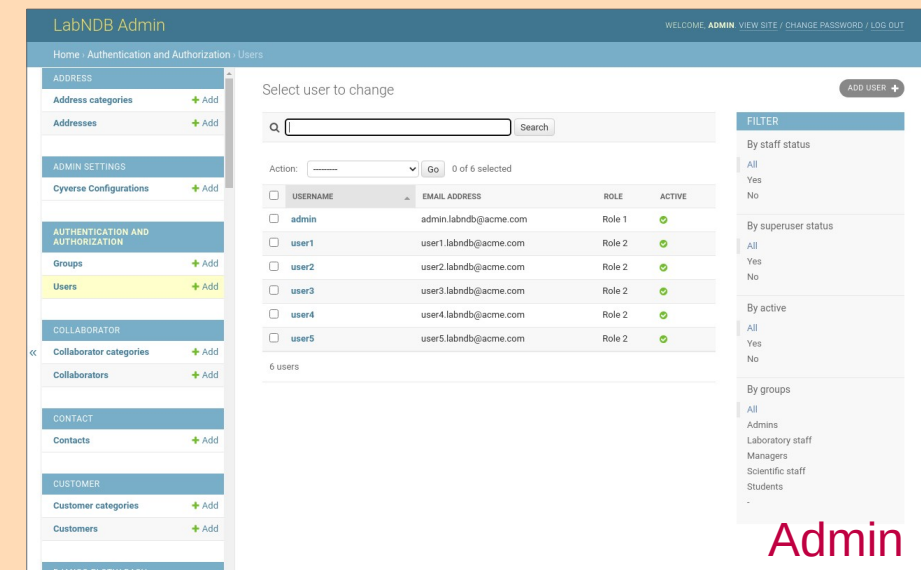
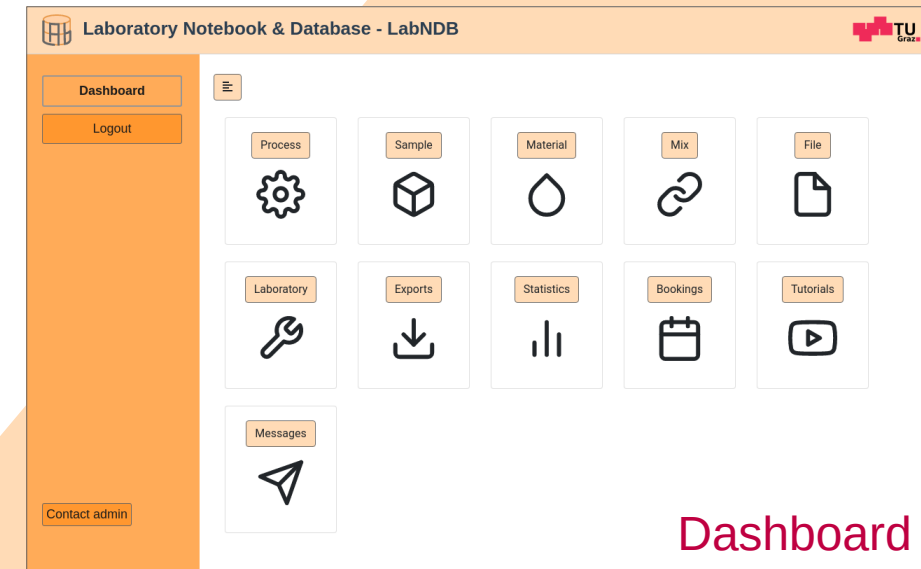
Project aims

- Gather data
- Store and manage data
- Handle materials, samples, processes
- Export data
- Modular structure, open architecture
- Device/Platform independent
- Based on open-source tools
- FAIR data principles



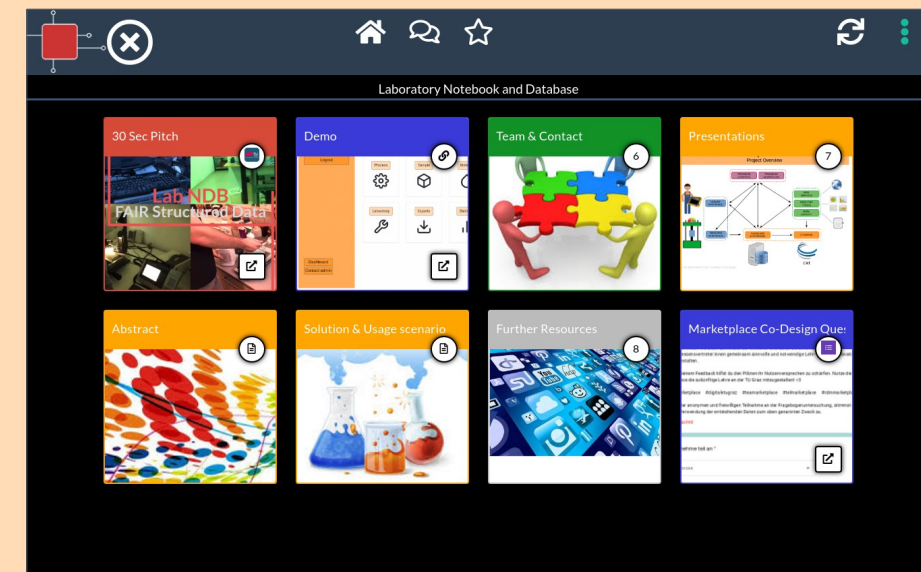
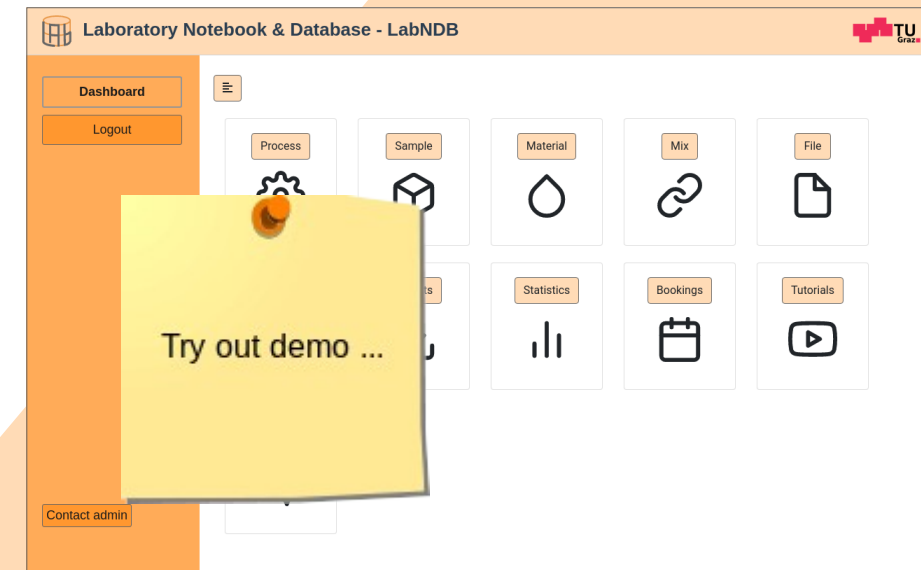
Results

- Handle laboratory test processes
- Manage materials, samples
- Manage laboratory facilities
- Data export to files, CyVerse
- Web-based userinterface
- Web-based administrative interface
- Demo version



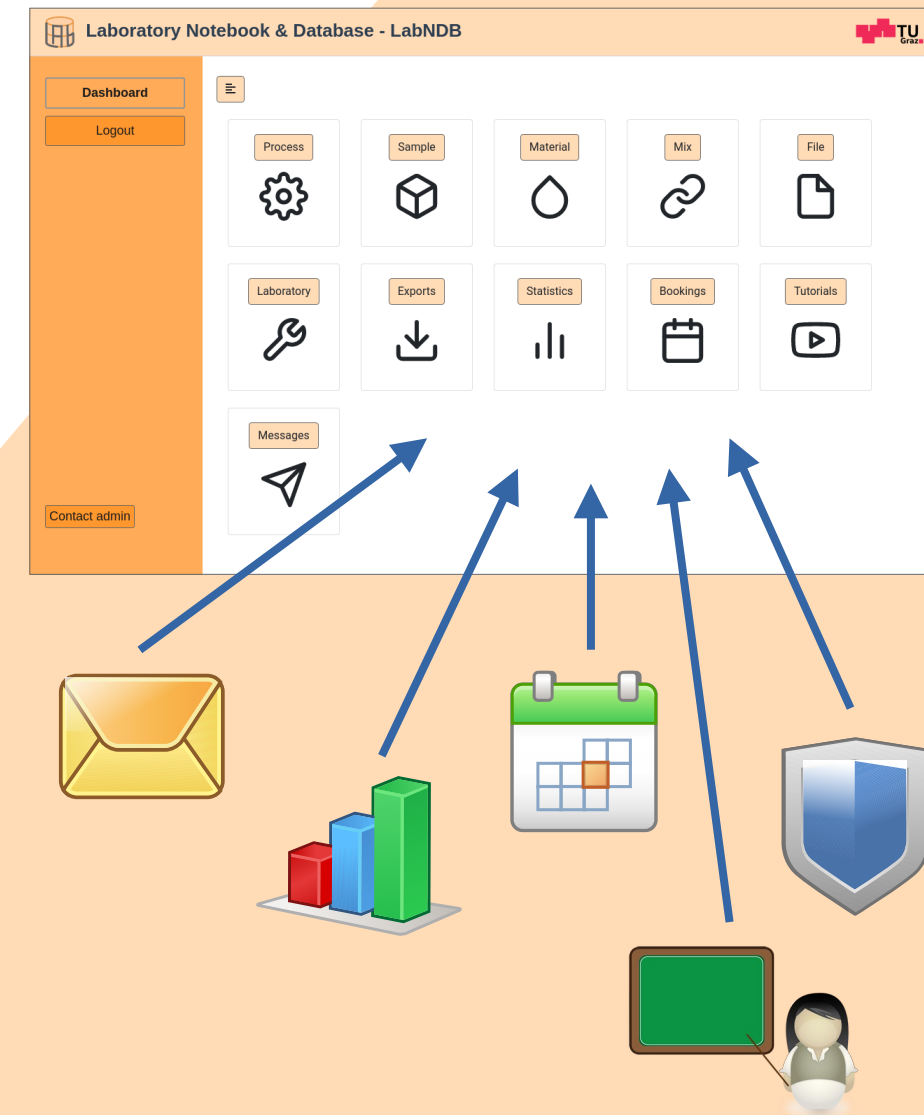
Summary

- Prototype ready
- Skilled project team
- Fruitful cooperations



Outlook

- LabNDB-Extensions
 - Enhance role-based authorization
 - Exchange messages
 - Basic data analysis
 - Enhance export to CyVerse
 - Enhance booking calendar
 - End-user tests, tutorials, documentation
- Cooperation with Institute of Biomechanics
- Oncoming cooperation with FELMI-ZFE



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