

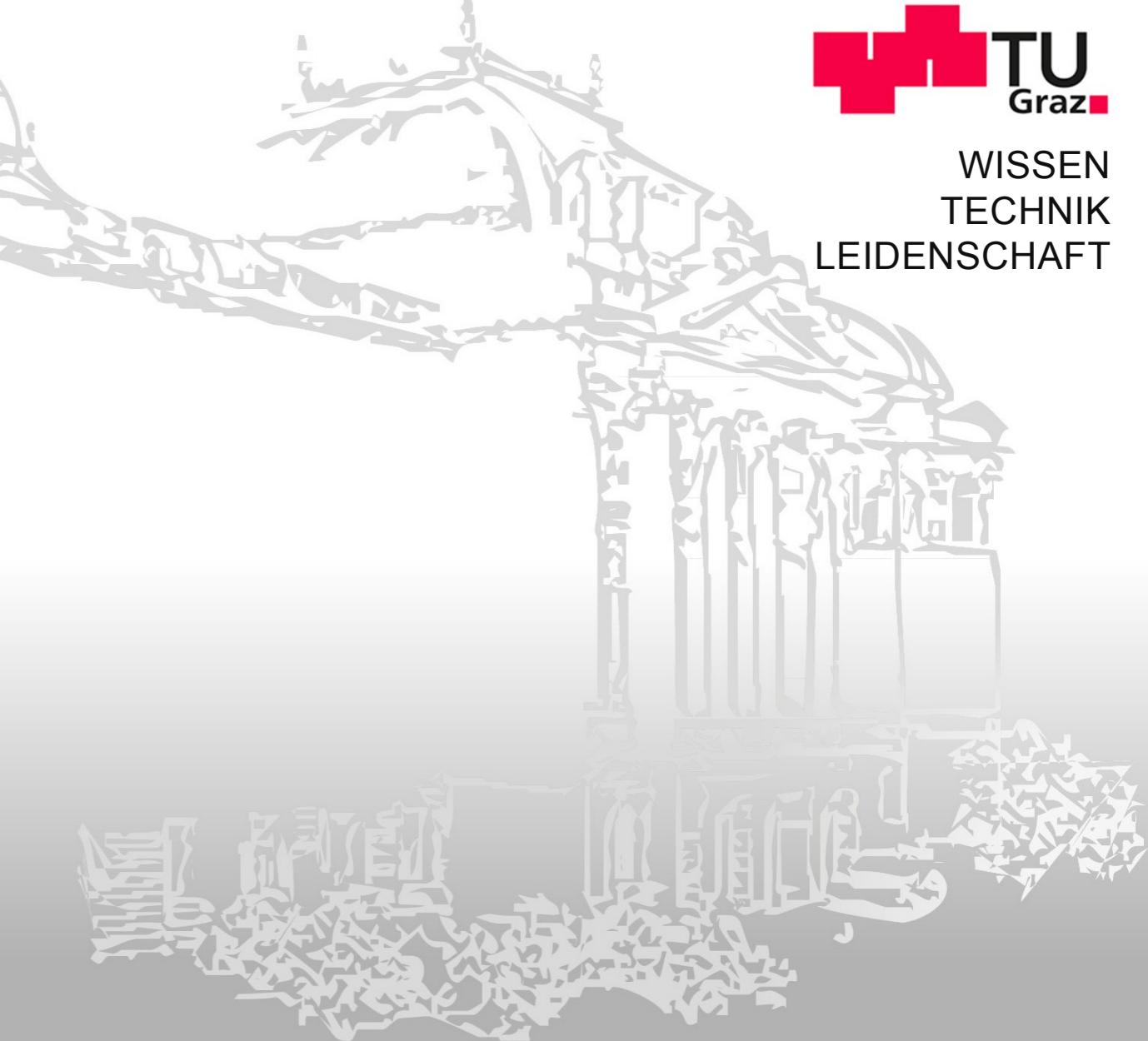


DIGITALE TU GRAZ MARKETPLACE
RESEARCH DATA MANAGEMENT



WISSEN
TECHNIK
LEIDENSCHAFT

RDM Marketplace LabNDB



Content

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IMBT/TVFA

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Project team:

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Cooperation partners BioMech

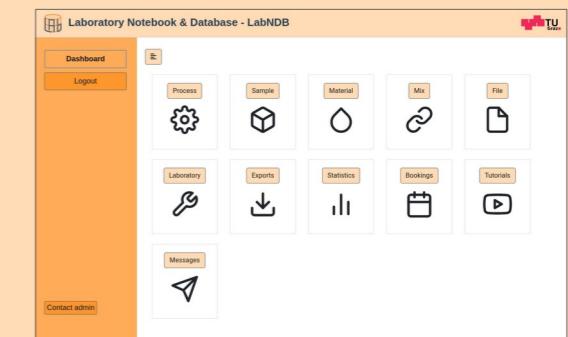
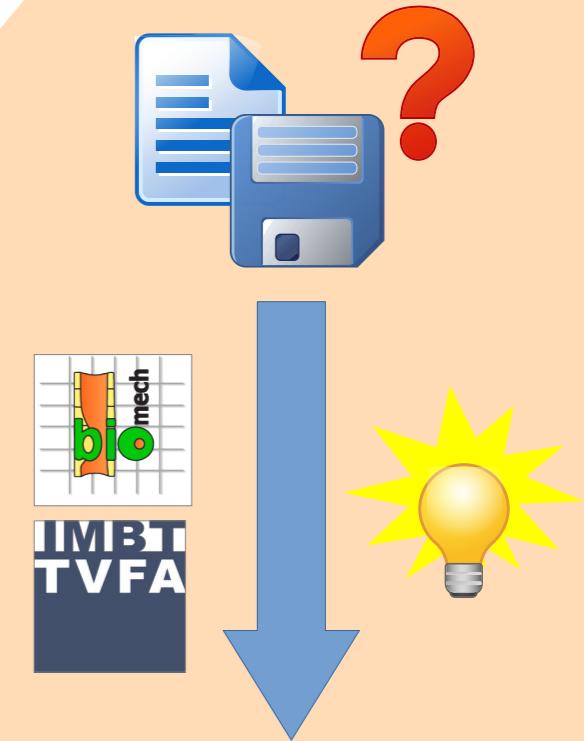
Selda Sherifova

Philipp Knabl

Laboratory Notebook and Database

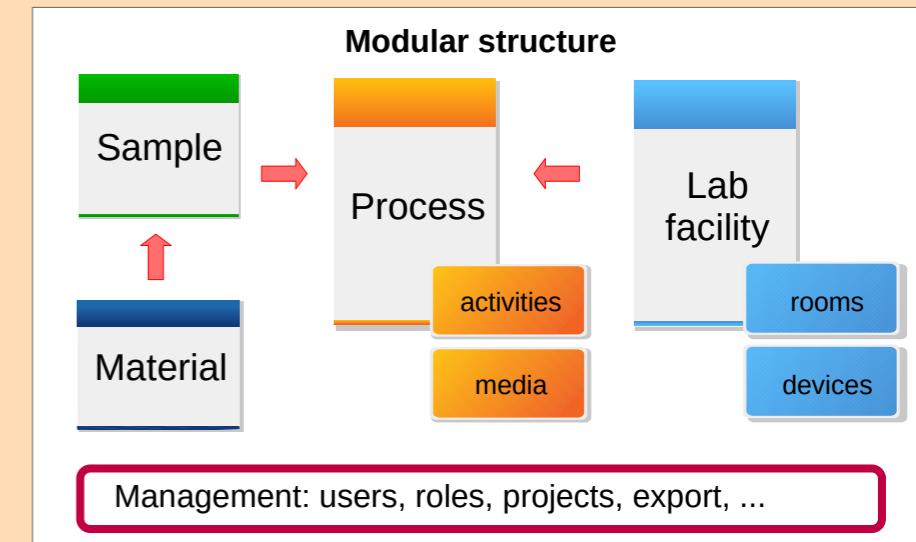
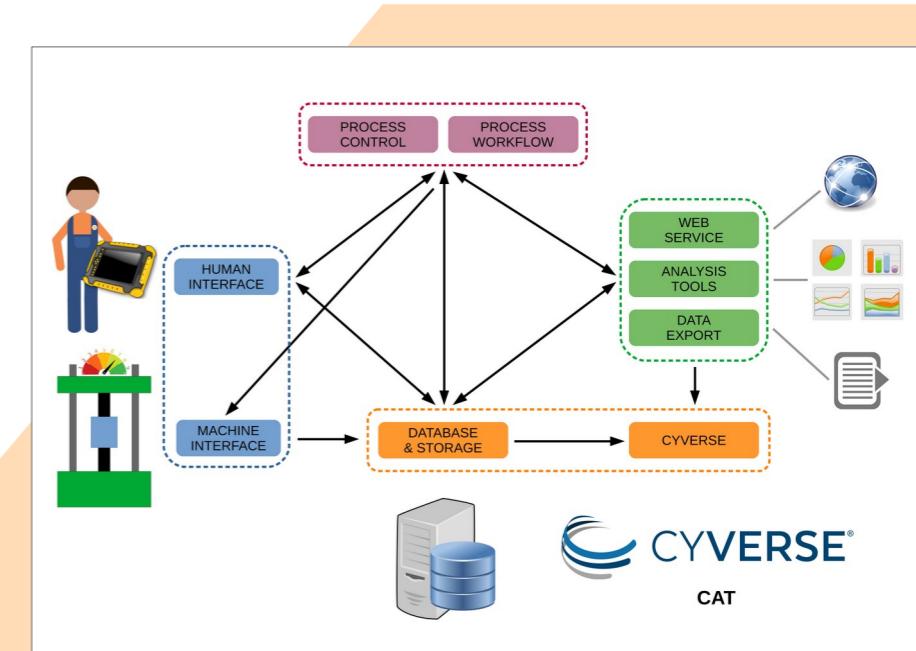
Introduction

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



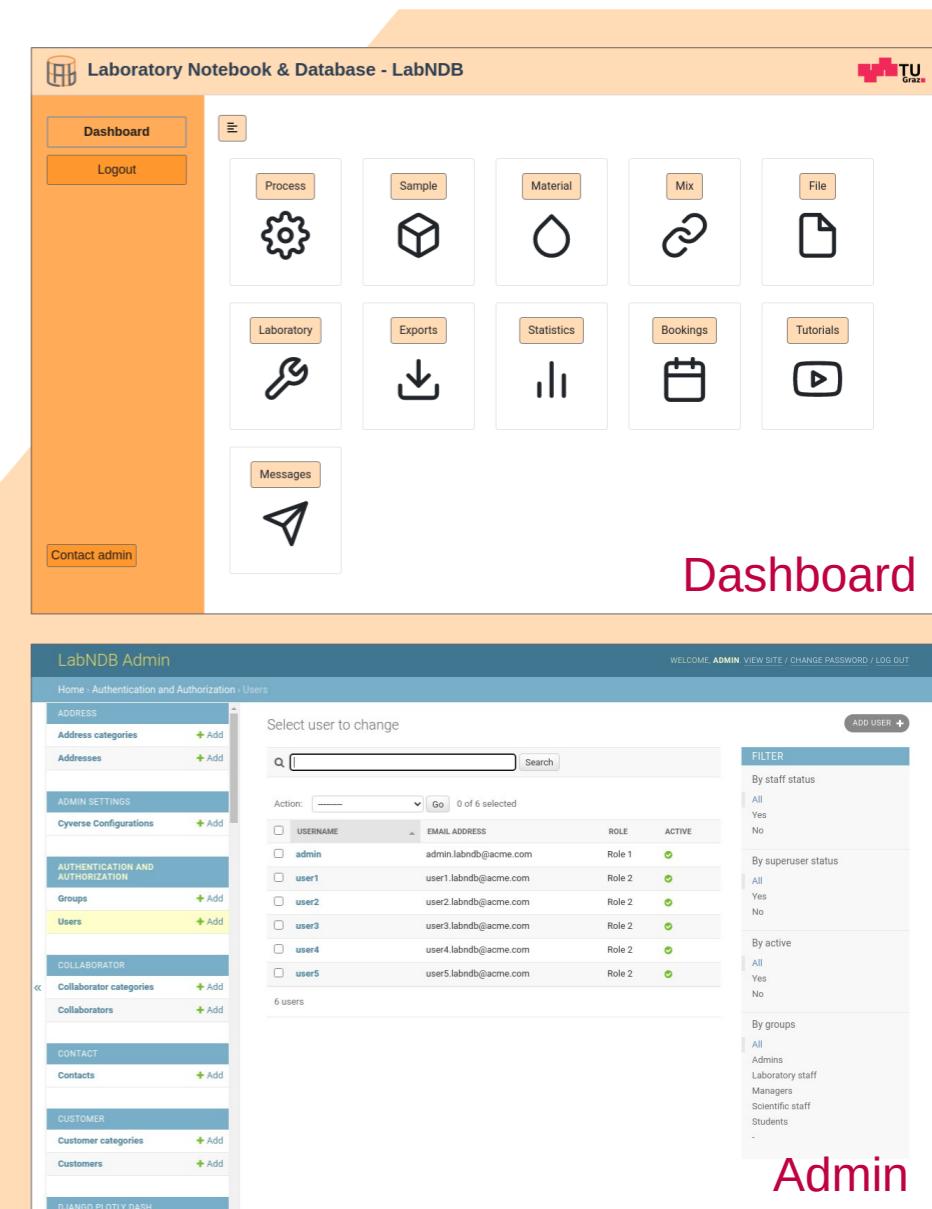
Project aims

- 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

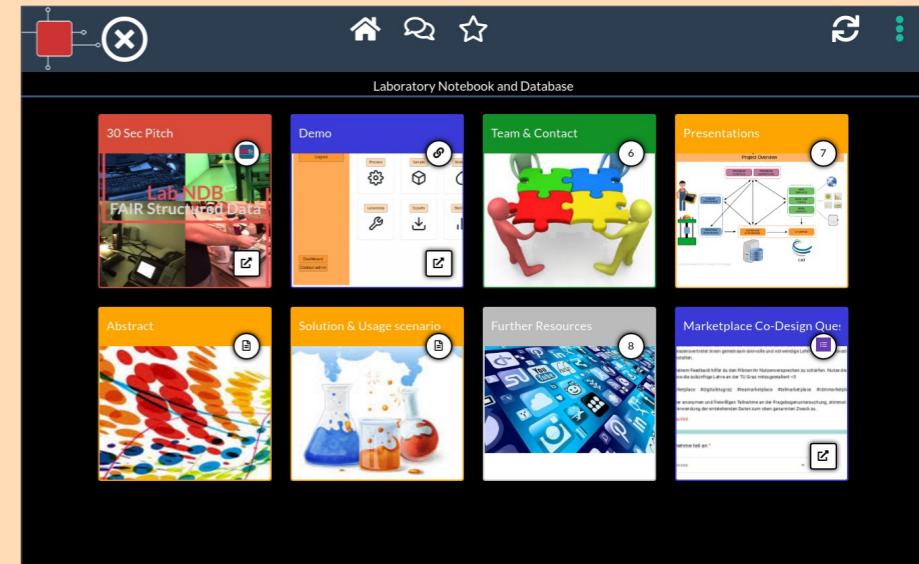
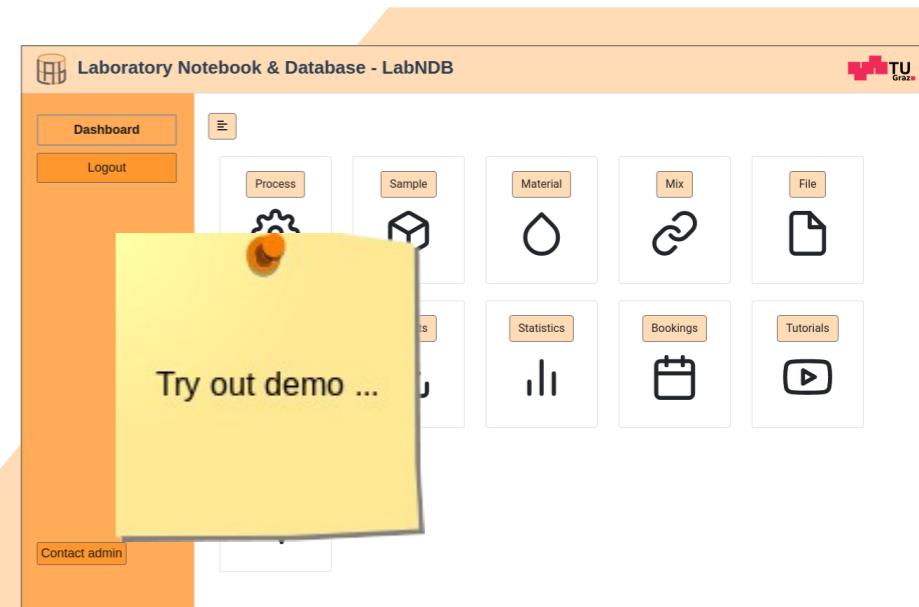


The image displays two screenshots of the LabNDB application. The top screenshot shows the 'Dashboard' with various icons for Process, Sample, Material, Mix, File, Laboratory, Exports, Statistics, Bookings, and Tutorials. The bottom screenshot shows the 'LabNDB Admin' interface, which includes a sidebar with ADDRESS, ADMIN SETTINGS, AUTHENTICATION AND AUTHORIZATION, COLLABORATOR, CONTACT, and CUSTOMER sections, and a main table listing users with columns for USERNAME, EMAIL ADDRESS, ROLE, and ACTIVE status. A filter sidebar on the right allows searching by staff status, superuser status, active status, and groups.

USERNAME	EMAIL ADDRESS	ROLE	ACTIVE
admin	admin.labndb@acme.com	Role 1	
user1	user1.labndb@acme.com	Role 2	
user2	user2.labndb@acme.com	Role 2	
user3	user3.labndb@acme.com	Role 2	
user4	user4.labndb@acme.com	Role 2	
user5	user5.labndb@acme.com	Role 2	

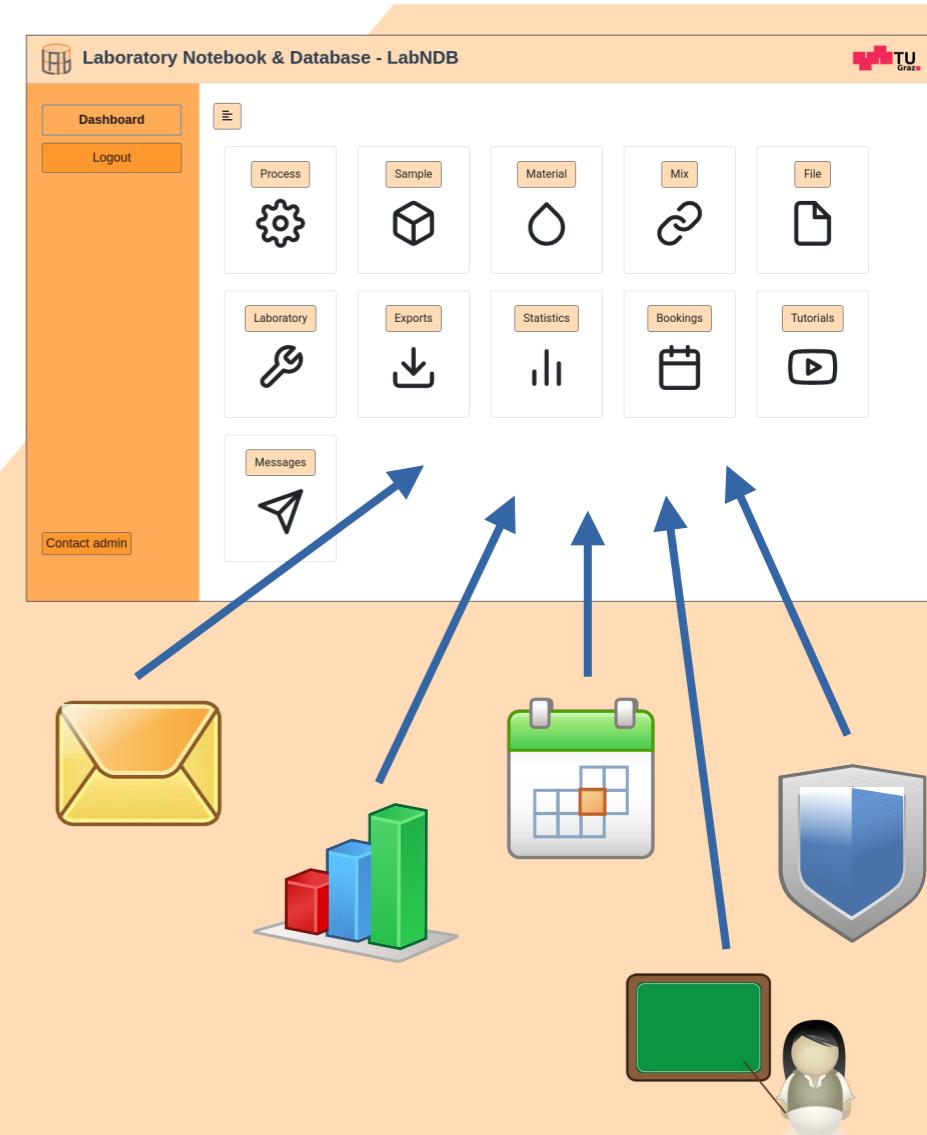
Summary

- 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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