UNIverse –

The New Research Portal of the University of Basel

David Böhler

September 25, 2023

Challenges

At the University of Basel, we take pride in our exceptional researchers who continually push the boundaries of the unknown and are eager to share their accomplishments with the scientific community and the general public.

However, our dedicated researchers often find themselves burdened with various reporting obligations to different stakeholders, leaving them with less time for their primary research activities. Moreover, in certain cases, the unique outputs subject-specific research are not adequately represented in current standardized systems, which can lead to a distorted perception of overall research contributions.

Recognizing these challenges, we have identified several areas where our current system can be improved to liberate time for more essential tasks and to better showcase our diverse research landscape.
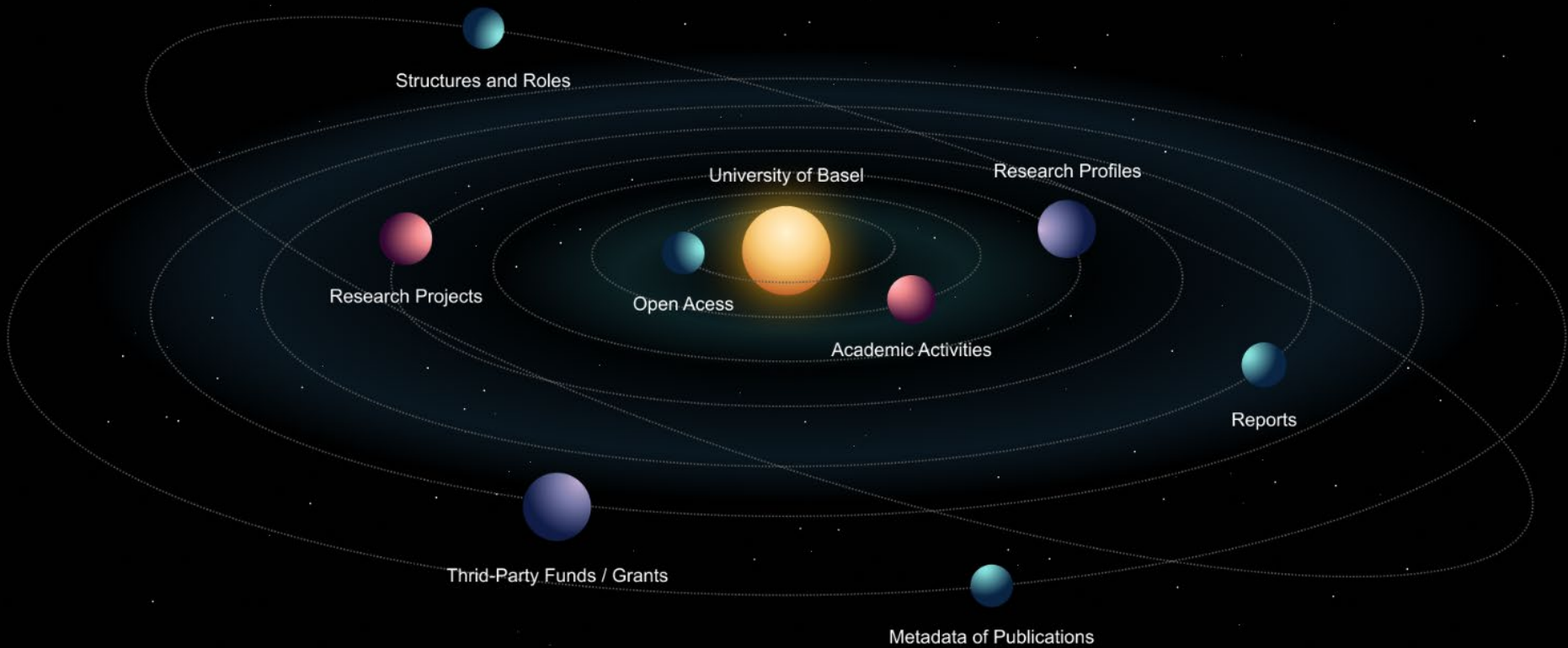
As a result, we have developed UNIverse, a research portal that introduces enhancements such as automated metadata import or improved department- and faculty-specific collections of research output ensuring that the distinctive contributions of each area of research are accurately represented and appreciated.
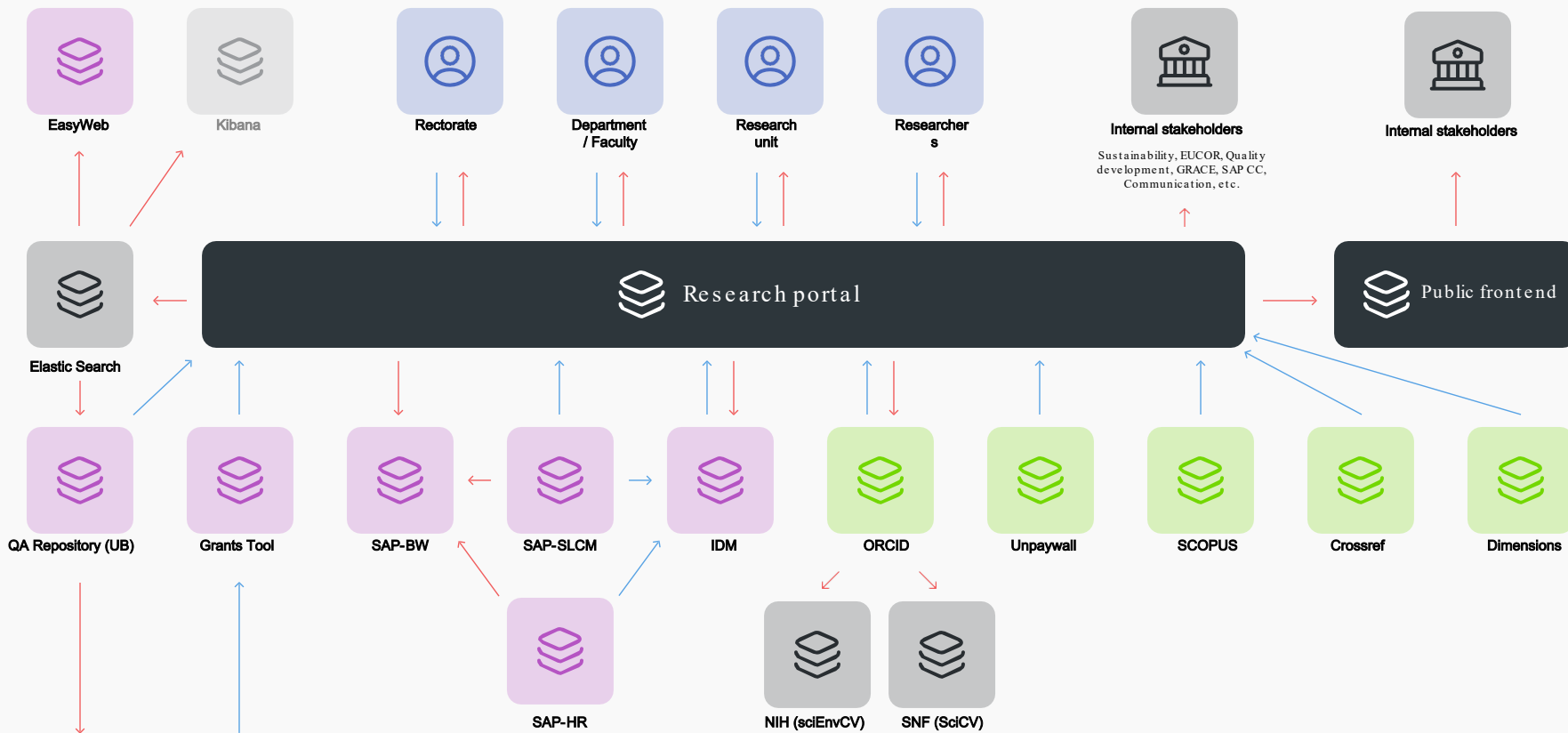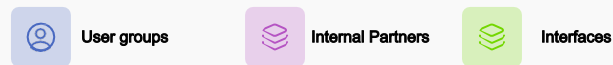
Main Goal

The main objective is to establish an integrated platform that enhances the experience in research information management and the use of it for various stakeholders ranging from the researcher themselves to the public and press. To achieve this we strived to **automate** and simplify tasks such as metadata import for publications and adapted the application to **faculty and department specific needs** taking into account the **divers research practices and outputs**.

Improving the Open Access **document workflow** for depositing documents in our repository and **improving the visibility** towards the public through the UNIverse Public Portal are additional features with an added value. Furthermore the reuse of information for various different purposes is our guiding principle.
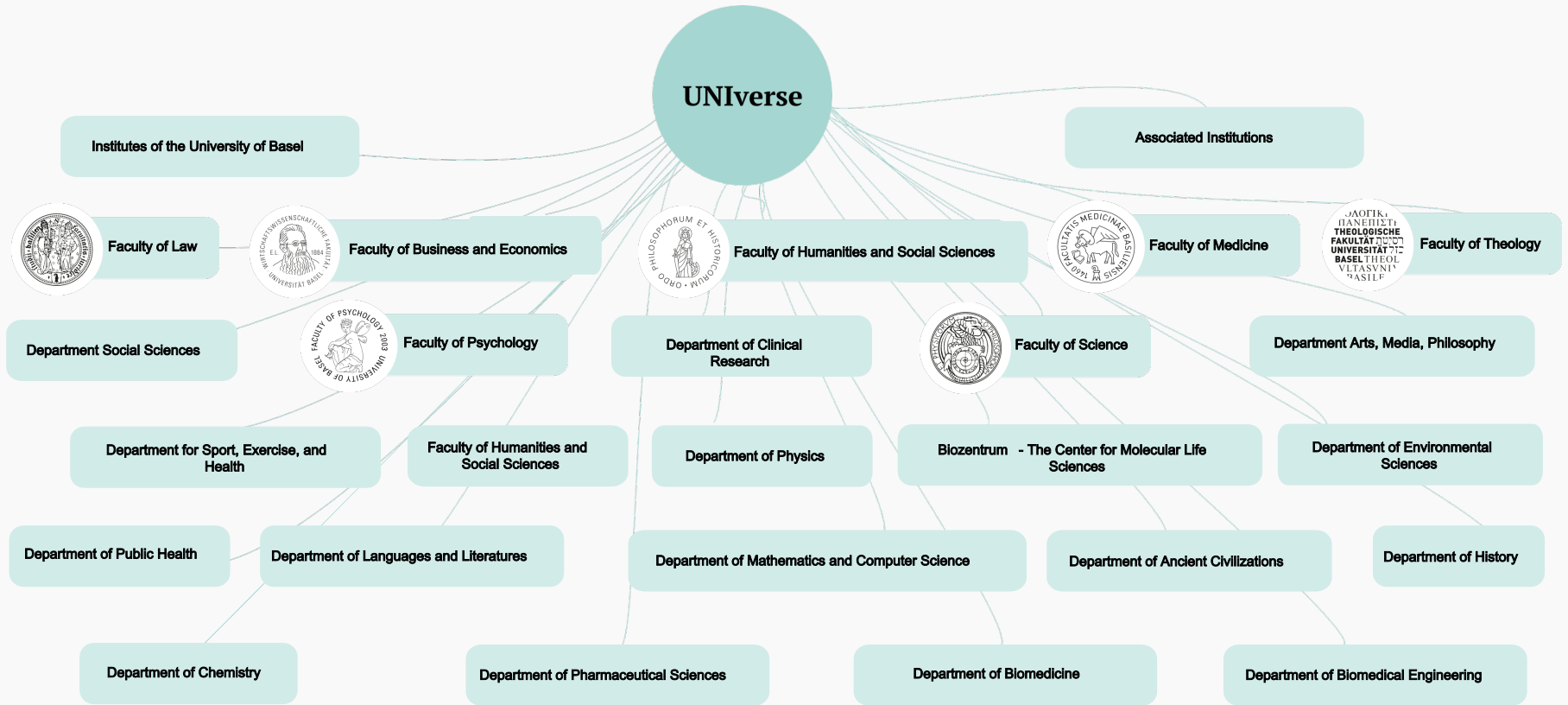
The UNIverse in one platform

Network

User groups · **Internal Partners** · **Interfaces**

EasyWeb · Kibana · Rectorate · Department / Faculty · Research unit · Researchers · Internal stakeholders · Internal stakeholders

Sustainability, EUCOR, Quality development, GRACE, SAP CC, Communication, etc.

Research portal · **Public frontend**

Elastic Search

QA Repository (UB) · Grants Tool · SAP-BW · SAP-SLCM · IDM · ORCID · Unpaywall · SCOPUS · Crossref · Dimensions

SAP-HR · NIH (sciEnvCV) · SNF (SciCV)

Our Vision: One Platform for All

UNIverse

Institutes of the University of Basel

Associated Institutions

Faculty of Law

Faculty of Business and Economics

Faculty of Humanities and Social Sciences

Faculty of Medicine

Faculty of Theology

Department Social Sciences

Faculty of Psychology

Department of Clinical Research

Faculty of Science

Department Arts, Media, Philosophy

Department for Sport, Exercise, and Health

Faculty of Humanities and Social Sciences

Department of Physics

Biozentrum   - The Center for Molecular Life Sciences

Department of Environmental Sciences

Department of Public Health

Department of Languages and Literatures

Department of Mathematics and Computer Science

Department of Ancient Civilizations

Department of History

Department of Chemistry

Department of Pharmaceutical Sciences

Department of Biomedicine

Department of Biomedical Engineering

Main Benefits

Visibility over University Research Activities

Academic Research Activity Management

Reporting Automation

Smooth Metadata Import

Unified Research Information Management

Secure and Confidential

Scalable and Adaptable Application

Ticketing System

User Groups

For Researchers

- Faculty and Department Specific Publication Module
- Synchronized ORCID Record
- Improved Metadata Import from Scopus
- Improved OA Document Workflow
- Personalized Visibility Settings

For Heads of Departments, Faculties & Decision Makers

- Managing Structures and Roles
- Overview of Group Members
- Improved Reporting and Data Extraction Possibilities
- Reuse of Data for Reporting Towards Cantonal Sponsors of the University of Basel

For Public & Press
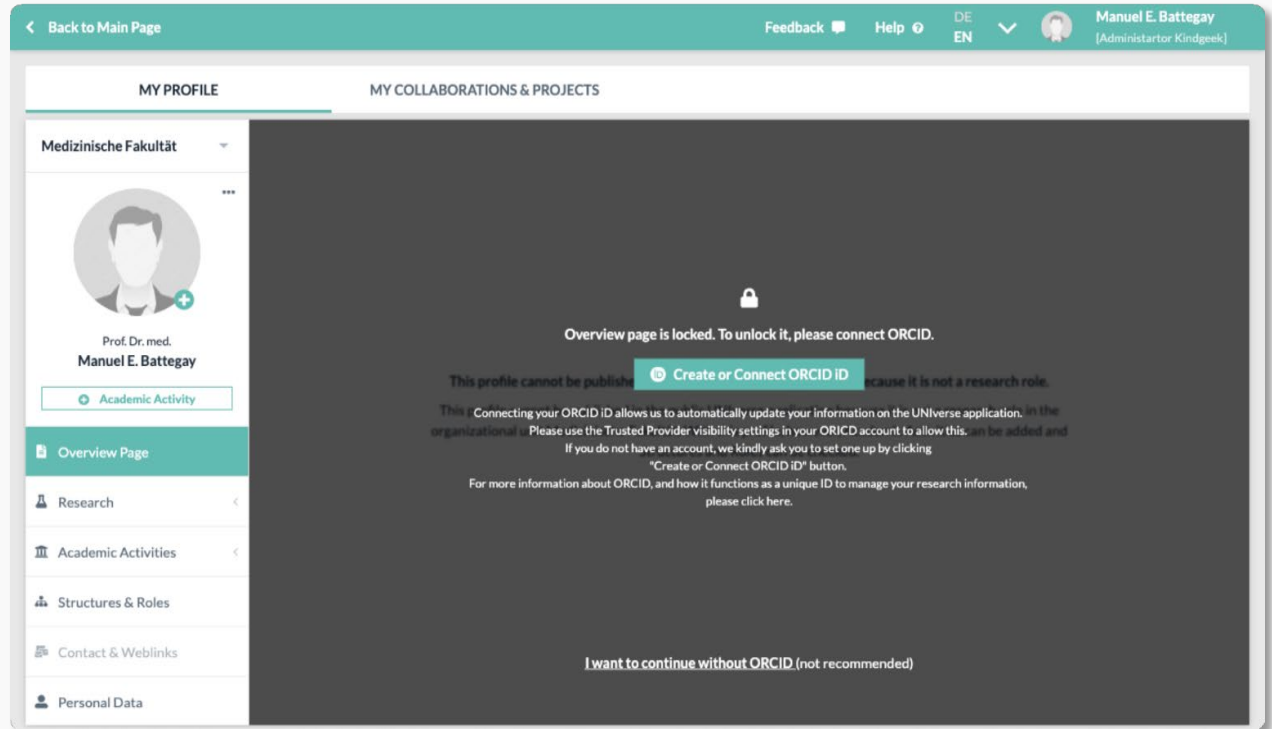
- Browse and Search all Scientific Publications and Research Projects
- Overview of Organizational Units and their Research Area

Key Benefits

Integration of ORCID Records

Connected ORCID records to the UNIverse application allow for automated metadata import without any manual intervention.

- One-time ORCID record connection to UNIverse
- Automated metadata import from your ORCID record
- No manual intervention needed

Enhanced Scopus Integration

Scopus

Easy metadata import from Scopus through an integrated search function. Claiming publications with just one additional click.

- Integrated search function
- Time-saving 1-click data take over
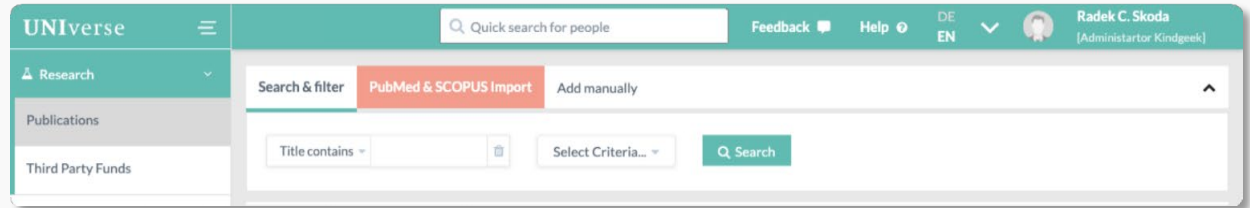
Faculty and Department Specific Publications Module

The publications module has been adapted to every faculty/department and allows for manual recording of metadata for 64 different publication types ranging from anthologies and software to legal reports. A specific quick selection keeps it user-friendly.

- Supports 64 different publication types
- Enables to choose from 2,500 citation styles

Faculty and department-specific adaptations

Publication Sources

Automated	Claim	Assistant (Individually)
ORCID	SCOPUS	Manually
		CrossRef
		RIS

Open Access Documents Workflows

The application features an automated Open Access document retrieval for gold OA publications or the upload of manuscripts and additional information for the OA support team. They will help with managing embargoes and different versions of the manuscript, making it easy to comply with OA regulations. A built-in commenting tool and improved document workflow in the back end facilitate communication between users and the OA support team, increasing the productivity.

- Automatic upload of gold OA publications
- Improved multi-document upload for increased productivity
- Seamlessly integrated support for self-archiving

Integrated Workflows: Example Publication
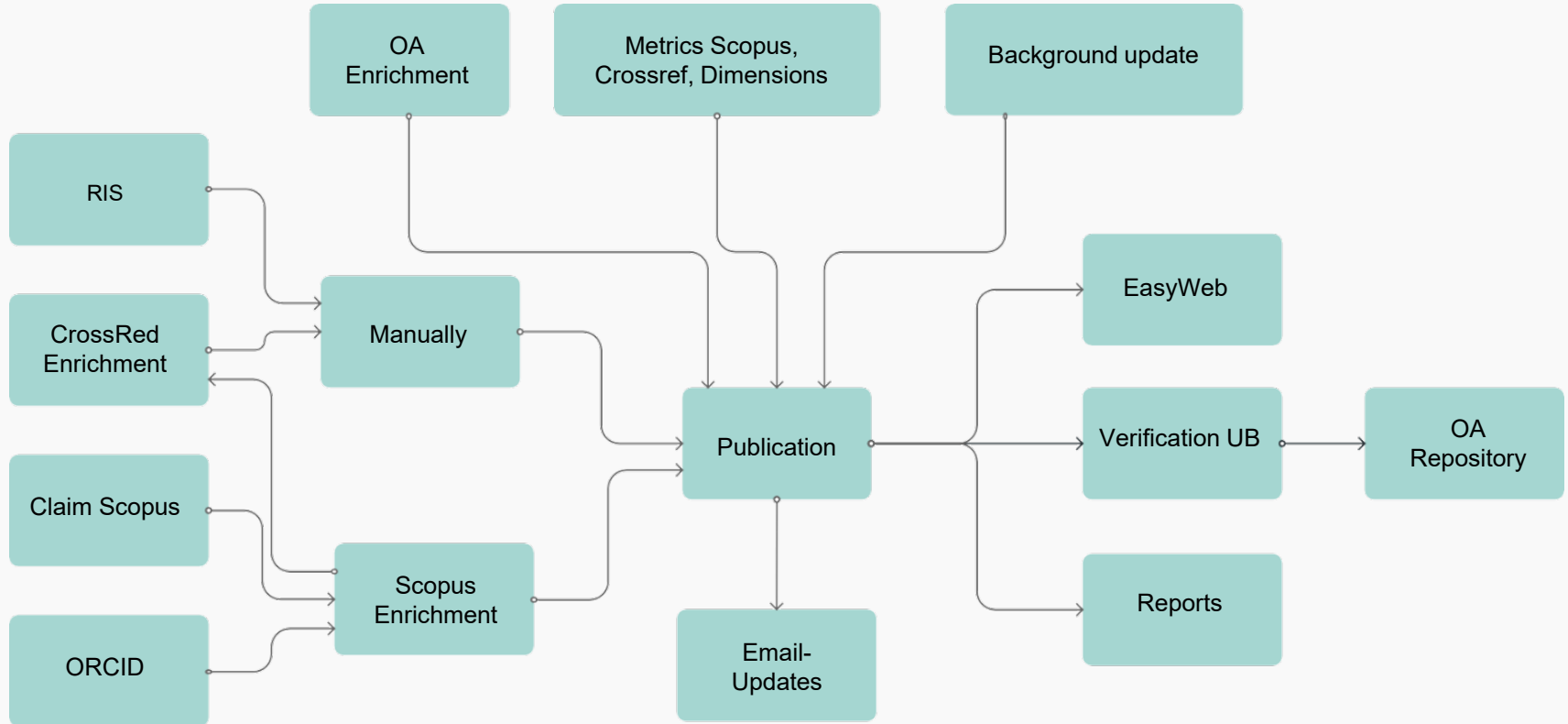
Academic Activities

The University of Basel recognizes that research output encompasses more than just scientific publications and research projects. We acknowledge the value of all aspects of research work, including academic self-administration, reputation building, networking, and teaching. The platform enables to record and track information in these areas, providing a comprehensive representation of many research contributions and achievements.

- Expanded Academic Activities
- Preset of Academic Activities List for each faculty for efficient input

---

Add Academic Activity   ✕

Search/filter list of Academic Activities

Enter a section of the name of the Academic Activity you are looking for (PhD, Vorlesung, ...)

All Activities

> L.1 - L.4 - Activities in Pregraduate Teaching

∨ N.1 - N.7 - Activities in Postgraduate Teaching

    > N.1 Completed Academic Degrees

    > N.2 Doctorate

    ∨ N.3 Individual Supervision

        ○ N.3.1 1:1 PhD Supervision

        ○ N.3.2 1:1 MD-PhD Supervision

        ○ N.3.3 1:1 Master Supervision

        ○ N.3.4 1:1 Dissertation Supervision

        ○ N.3.5 1:1 Habilitation Supervision

        ○ N.3.6 1:1 Habilitation Mentoring

⊕ F.1 and F.6 are the Core Activities. Members of Groupings I and II are required to record them.
✓ These activities are either recorded centrally or derived from the system. As a result, they are considered as verified.

CANCEL   NEXT ›

Third-Party Funds and Research Projects

From the grants tool, researchers can easily import key data from third-party funds and efficiently manage their research projects. By adding detailed descriptions, pictures, team members, network connections, and more, researchers can create attractive project pages within minutes. These pages are showcased in a visually appealing design on the UNIverse Public Portal. Whether funded by external grants or own resources, these project pages serve multiple purposes. Researchers can utilize them for reporting purposes and to share their work with the public.

- Import key data from grants tool
- Create new research projects pages fast
- Interconnect research projects

Reports

The application allows users to generate reports based on the data and information within the platform for various purposes, including Scientific Advisory Board meetings and promotions. Users can create Personal Reports, Research Group Reports, and Faculty Reports, selecting the desired reporting period with a single click. These reports are presented in a visually appealing format, utilizing charts and tables to represent the data effectively.

- Personal Reports, Reports from Research Groups, Reports from Faculties
- Choose the period and create with little effort
- Represented with charts and tables

Structures and Roles

Keeping an overview of the various roles held by employees who work across multiple departments and diverse research groups can be challenging. However, with a dedicated module designed specifically for this purpose, the full overview can be achieved.

- Administrate the roles
- Get a transparent overview about different structures and roles
- Manage the roles of members of your research group

UNIverse Public Portal (Coming in 2024)

UNIverse Public Portal (Coming in 2024)

Personalised Public Profiles

Personalized Public Profiles elevate your research presence with personalized public profiles on the UNIverse Public Portal. Craft profiles that highlight your research expertise, interests, and diverse outputs, fostering greater visibility for the public and press. Showcase the breadth and depth of your research contributions, enabling easy discovery and engagement.

- Optional personalized profile on UNIverse Public Portal
- User-centered visibility settings
- Central hub for your other academic and social accounts such as Google Scholar, ACADEMIA, Loop, Publons, Linkedin, Twitter etc.

Useful Links

Please find below some useful links related to the research portal:

Website for fast overview: https://universe-portal.com

User Guide: https://universe.help

Support Email: universe@unibas.ch

Support Telefone: +41 61 207 19 11

Thank you for your attention