We improve the library’s long-term ecological balance.

With continual monitoring and by implementing 10 ideas from our sustainability concept, we reduce the library’s carbon footprint to around 370,000 kg in CO₂ equivalents.

Teachers, students and citizens make use of our Data Visualisation Space Davis as a place of experimental learning.

Davis is open to users from May 2023 on. The operating concept for the 3D wall has been evaluated and adapted by the end of 2023. Use cases and workflows for the interactive 2D wall have been defined by the end of 2023.

We employ additional semantic technologies and artificial intelligence methods in developing our discovery tools.

We expand CatalogPlus with knowledge graph-based representations and develop concepts for including and evaluating new search and analysis functions (argumentative zoning).

We further develop persistent identifiers (PIDs) to support the FAIR principles.

We contribute a RAiD use case and an IGSN iD use case to advance the development of these PIDs.

Seamless cooperation of the service units Circulation, Library IT, Scientometrics and Data Visualisation ensures the smooth operation of Davis. The circulation and enquiries services are adapted and expanded accordingly.

Automated methods facilitate new representations of search results, and are therefore logical next steps to the intellectual content indexing of publications.

Our initiatives DOI Service Austria and ORCID Austria serve as essential building blocks in implementing the FAIR principles in Austria.

GOALS 2023

We meet the challenges of the digital transformation and sustainable development by setting ourselves the following goals for 2023:

- **Green Library**
  - We improve the library’s long-term ecological balance.
  - With continual monitoring and by implementing 10 ideas from our sustainability concept, we reduce the library’s carbon footprint to around 370,000 kg in CO₂ equivalents.

- **Learning Centre**
  - Teachers, students and citizens make use of our Data Visualisation Space Davis as a place of experimental learning.
  - Davis is open to users from May 2023 on.
  - The operating concept for the 3D wall has been evaluated and adapted by the end of 2023.
  - Use cases and workflows for the interactive 2D wall have been defined by the end of 2023.

- **Discovery Tools**
  - We employ additional semantic technologies and artificial intelligence methods in developing our discovery tools.
  - We expand CatalogPlus with knowledge graph-based representations and develop concepts for including and evaluating new search and analysis functions (argumentative zoning).

- **Metadata**
  - We further develop persistent identifiers (PIDs) to support the FAIR principles.
  - We contribute a RAiD use case and an IGSN iD use case to advance the development of these PIDs.
  - Automated methods facilitate new representations of search results, and are therefore logical next steps to the intellectual content indexing of publications.
  - Our initiatives DOI Service Austria and ORCID Austria serve as essential building blocks in implementing the FAIR principles in Austria.
Keywords: e-IRG, EOSC, Digital Skills, Citizen Science, SDGs, Partnerships.

Goals

We strengthen the resilience of TU Wien Bibliothek through international and national networking and by federating e-infrastructures.

We embed the UN Sustainable Development Goals (SDGs) in our library projects.

We establish ourselves as a partner in projects involving Citizen Science.

We build citizen science competence in the library.

We develop microcredentials for citizen science.

We upgrade our own competencies continually and strategically. This enables us to transfer digital skills to our users, and facilitate the participation of citizens in research processes.

We develop best practice design and use cases for the implementation of research vocabularies.

We define a digitisation strategy for the library’s collections.

A prerequisite to the digitisation of library holdings is that they must be completely cataloged on CatalogPlus. Our ongoing retrospective cataloguing initiatives are therefore of special importance.

We report our literature spending to the Austrian Library Statistics and to the statistical pocketbook of the Federal Ministry of Education, Science and Research, and we report our expenses for open access to OpenAPC.

We make our bibliometrics dashboard accessible to the public.

We unify our TU Wien Academic Press and Journals platforms with special regard to peer review.

We contribute to building the Common European Data Space for Cultural Heritage.

Via our platforms, we improve the visibility of open science activities at TU Wien.

The Skills4EOSC and EOSC Focus projects are implemented on schedule.

The Austrian EOSC initiative receives a positive evaluation from the Federal Ministry of Education, Science and Research.

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Participating in committees, implementing an Erasmus+ programme for librarians from Europe, and organising events are cornerstones of our collaborations.

The library represents TU Wien in the EOSC Association and participates in its taskforces. Furthermore, we advance the Austrian EOSC initiative, chairing the general assembly and developing key performance indicators.

Context

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