



CHARTING THE LIBRARY SYSTEMS LANDSCAPE INCLUDING OA INFRASTRUCTURES

SYSTEM MAP

How can all the systems, interfaces and data flows relating to digital resources and associated cost information be clearly presented? Many libraries and information institutions are faced with this question. The system map can provide an answer.



The visualisation of the system landscape ERM, one of the key outcomes of the working group 'Systemlandschaft E-Ressourcen' can be viewed online and is freely available for reuse under a CC BY 4.0 licence. The map is based on data flow information provided by system operators, which is systematically collected using questionnaires.

The interactive visualisation illustrates the complex interrelationships of existing data exchange processes and enables exploratory work with the underlying data. This data can be used for infrastructural issues and strategic decision-making processes and can assist in the planning of projects in order to better estimate the costs, risks and effects of system adjustments.

The code for the visualisation can be viewed via our GitHub project and can also be reused for your own applications under a CC BY 4.0 licence.

[VIEW THE MAP ONLINE](#) →

[ACCESS THE CODE](#) →

METHODOLOGY

In the course of data collection, a method for determining relevant information on systems and data flows was developed and tested.

It is based on an iterative approach and is designed in such a way that it can also be reused in other contexts.

Our methodology comprises the following steps:

- . Definition of terms
- . Adaptation of the metadata schema
- . Adaptation of the data collection tools
- . Development of a procedure for data collection
- . Implementation of data collection
- . Quality control
- . Creation of visualisations

METADATA SCHEMA

The basis for data collection and visualisation is a metadata schema that was developed with a focus on systems and data exchange processes for electronic resources. The data collected in this structured manner can be processed automatically. We are currently gathering information on:

- . whether systems maintain information on the free accessibility of journals
- . which data exchange processes contain information on publication conditions

The metadata schema has a modular structure and can be adapted and expanded as required depending on the requirements. It can therefore be easily expanded to include additional cost information.

CONTACT

Curious to learn more? Please contact us if you have any questions about the system map, are interested in the metadata schema or our methodology. We would be happy to support you with similar projects: info@ag-systemlandschaft.de

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