JOHANN WOLFGANG GOETHE
UNIVERSITÄT
FRANKFURT AM MAIN

JudaicaLink

HOCHSCHULE DER MEDIEN

FID Judaica & JudaicaLink
Specialised Information Service for Jewish Studies
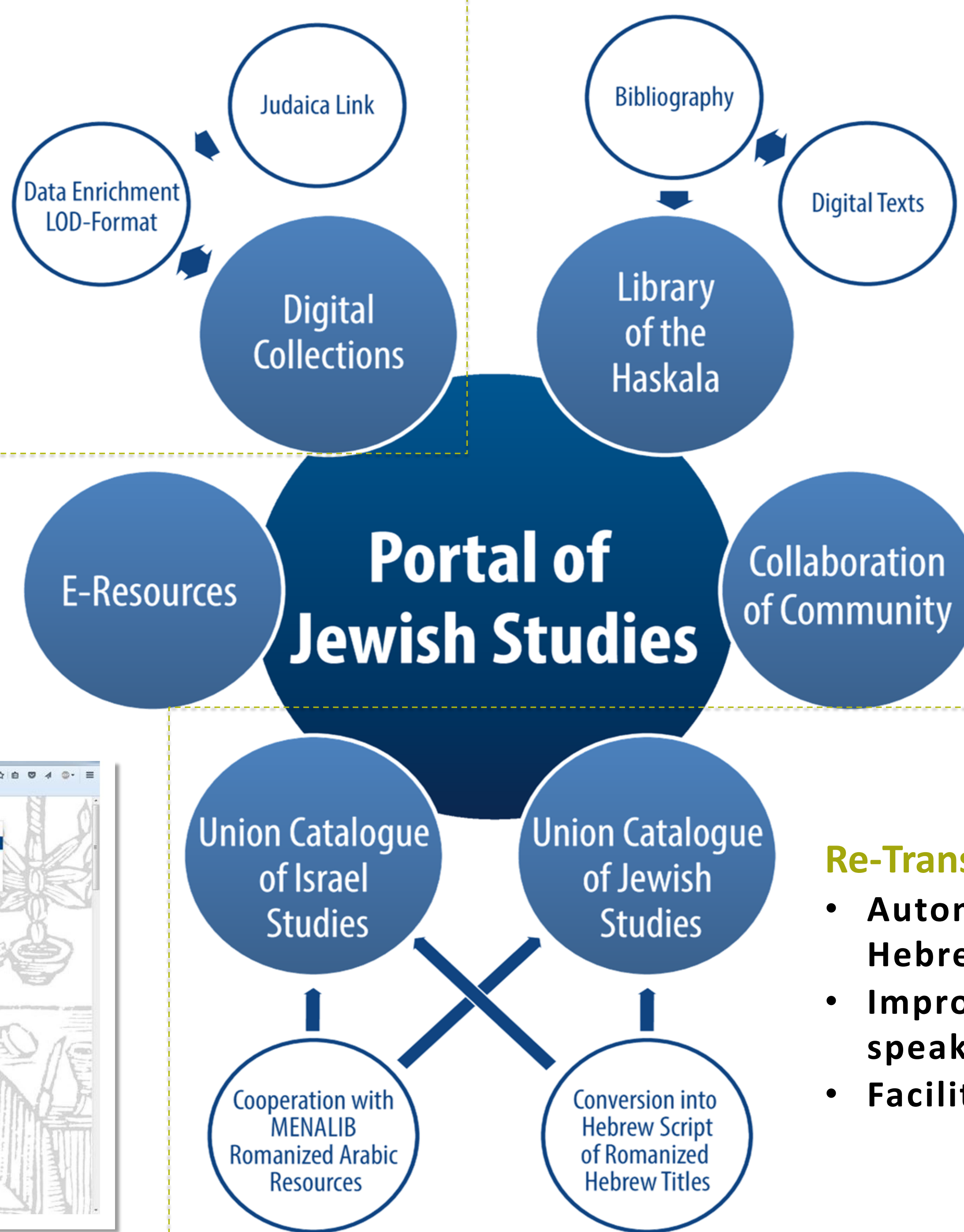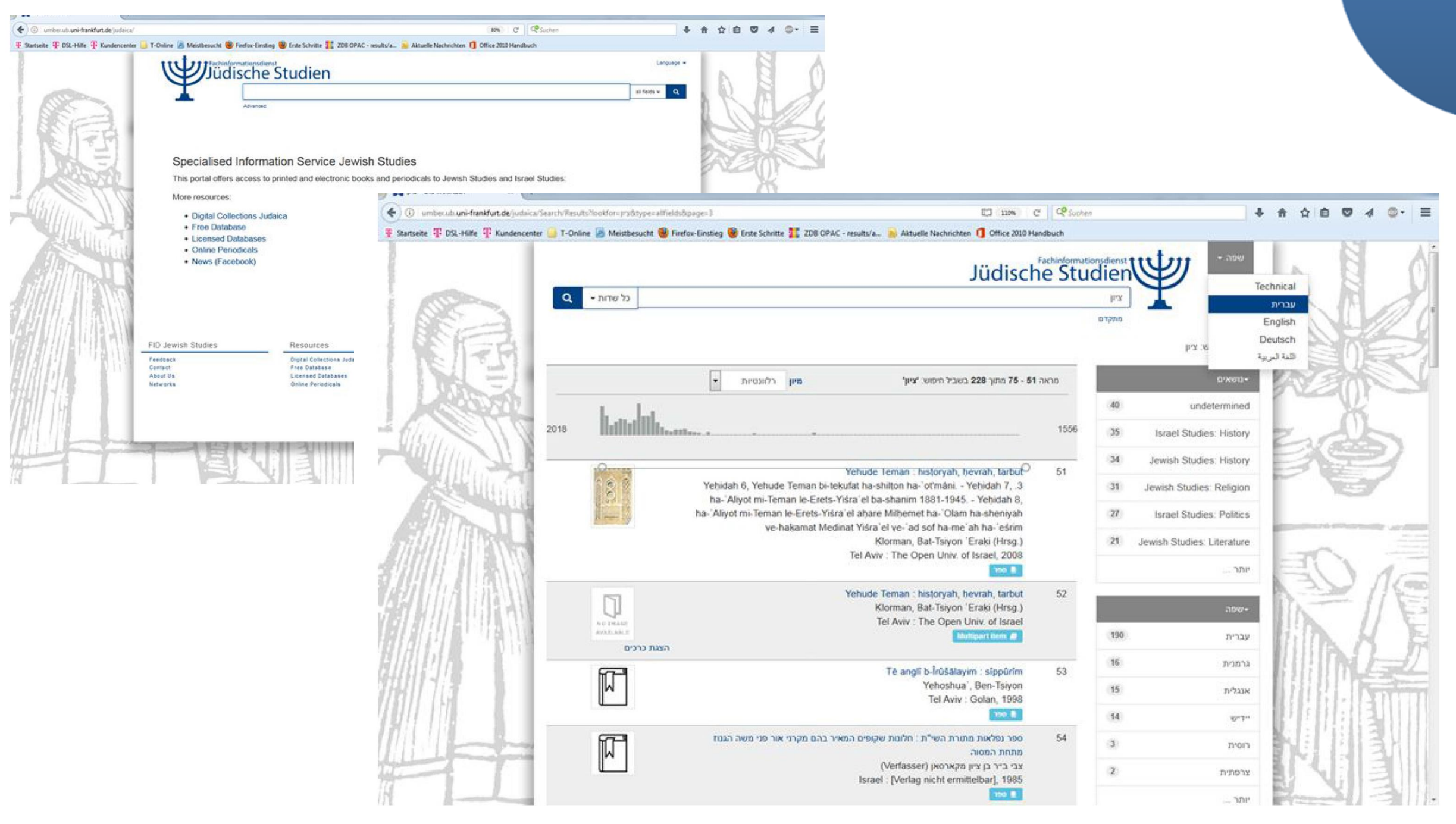
OBJECTIVES

- ❖ Create a portal as central access point to Jewish Studies
- ❖ Offer high performance information infrastructure and data
- ❖ Contextualize the digital Judaica collections
- ❖ Enrich metadata
- ❖ Connect different data sources as Linked Open Data

Contextualization of Digital Resources

- Find relevant data sources
- Find matching resources
- Extract information
- Add information to library collection

The Portal

http://umber.ub.uni-frankfurt.de/judaica

Portal of Jewish Studies

- Judaica Link
- Data Enrichment LOD-Format
- Digital Collections
- Bibliography
- Digital Texts
- Library of the Haskala
- E-Resources
- Collaboration of Community
- Union Catalogue of Israel Studies
- Union Catalogue of Jewish Studies

Re-Transliteration

- Automatic Retro-conversion of Romanized Hebrew text
- Improve information retrieval for Hebrew speakers
- Facilitate cross-lingual data matching

Cooperation with MENALIB Romanized Arabic Resources

Conversion into Hebrew Script of Romanized Hebrew Titles

FID Judaica

FID Judaica project aims to create an expert information service for the domain of Jewish studies. In this project we create a portal as a central platform for scientific information which would facilitate the search and access to the materials for the scholars and users. Among other purposes it is aimed to contextualize the extensive digital Judaica collections of the library.

For contextualization and metadata enrichment, we identify named entities and subjects in the existing data and link it to data from various sources with complementing information. This particularly includes the identification schemes like the GND authority data. For this task, we create and use JudaicaLink as a highly interlinked knowledge graph with relevant contextual information.

JudaicaLink

http://www.judaicalink.org

JudaicaLink is a novel resource which provides a knowledge base of Jewish culture and history. It is based on multilingual domain-specific information extracted from different sources.

JudaicaLink can be used for contextualization of metadata, i.e., entity resolution within and linking of metadata to improve resource access and to provide richer context to the user.

Sources

Reference works such as encyclopedias and glossaries function as guides to specific scholarly domains. Jewish Studies encyclopedias are therefore a cornerstone of JudaicaLink. There are also knowledge bases which contain a vast variety of information including facts related to Jewish culture which were also used to extract a focused knowledge graph of relevant domain concepts.

Datasets

JudaicaLink extracts structural information from various sources, making their described concepts as well as the relations between them accessible as Linked Open Data with stable URIs in the following datasets.

Name	Summary	Online
Biographisches Handbuch der Rabbiner	The Biographisches Handbuch der Rabbiner is an online encyclopedia provided by the Salomon L. Steinheim-Institute for German-Jewish history at the University of Duisburg-Essen, edited by Michael Brocke and Julius Carlebach.	
Persons from GND	List of persons from GND. This list is generated based on country and occupation.	
Persons from DBPedia	List of persons from dbpedia. This list is generated based on occupations.	
Encyclopedia Interlinks	Links between JudaicaLink entities.	
Encyclopedia of Russian Jewry	Rujen.ru provides an internet version of the Encyclopedia of Russian Jewry, which is published in Moscow since 1994, giving a comprehensive, objective picture of the life and activity of the Jews of Russia, the Soviet Union and the CIS.	
Das Jüdische Hamburg	Das Jüdische Hamburg contains articles in German by notable scholars about persons, locations and events of the history of Jewish communities in Hamburg.	
Yivo Encyclopedia	The YIVO Encyclopedia of Jews in Eastern Europe, courtesy of the YIVO Institute of Jewish Research, NY.	
Links to external sources	Links from JudaicaLink entities to external data sources.	

Infrastructure

JudaicaLink provides the datasets in N3 (Notation3) and its subset formats, Turtle (Terse RDF Triple Language, TTL).The JudaicaLink website is driven by the static site generator Hugo. The Hugo sources are collaboratively maintained using GitHub. Every dataset corresponds to a name graph that can later on be accessed in the triple store. Users can download datasets or brows using public SPARQL endpoint:

http://data.judaicalink.org/sparql

Contacts:

Dr. Maral Dadvar and Prof. Dr. Kai Eckert
Web-based Information Systems and Services - http://www.wisslab.org
Stuttgart Media University