



Foto: Jenny Sieber

For more information please visit

www.lukii.hu-berlin.de

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LOCKSS and KOPAL Infrastructure and Interoperability is a cooperative project between the Berlin School of Library and Information Science, the Computer and Media Service of Humboldt-Universität zu Berlin and the German National Library.



LOCKSS and KOPAL Infrastructure and Interoperability

LOCKSS

Lots of Copies Keep Stuff Safe (LOCKSS) was launched at Stanford University Libraries and is an international initiative to support libraries with digital preservation. The cooperation between libraries and publishers is an essential part of LOCKSS. It uses distributed computing to save the content of partner repositories. LOCKSS then compares the content it has collected with the same content in other LOCKSS Boxes and repairs any differences. Older versions are kept as well. This allows LOCKSS to repair lost or damaged content and to enable permanent access to purchased contents.

KOPAL

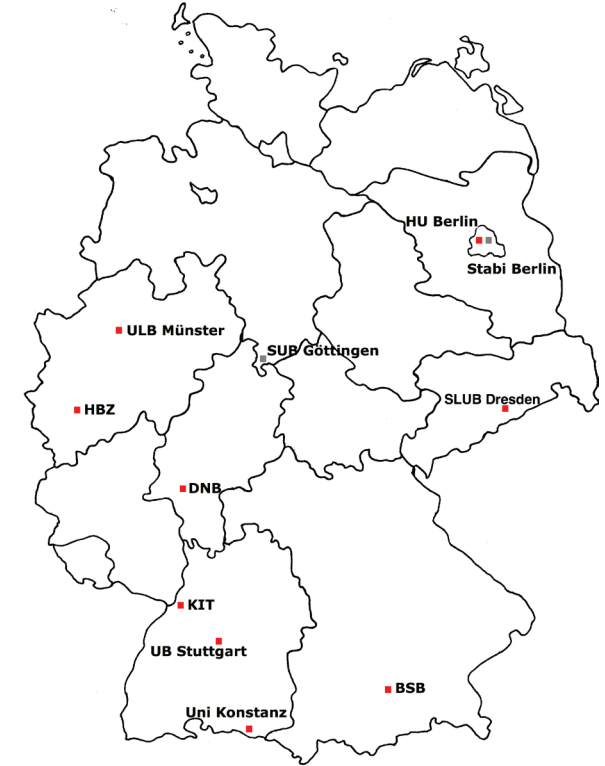
Co-operative Development of a Long-Term Digital Information Archive (KOPAL) is a project of the German National Library. The goal is to find a technical solution for long term preservation based on the OAIS reference model. The preservation strategy includes data migration based on technical metadata. One of the outputs of the project is the open source software KOPAL Library for Retrieval and Ingest (koLibRI), whose configurable tools will be used and enhanced in the LuKII project.

The goal of the LuKII-project is to establish an infrastructure for cost-effective long term preservation in Germany:

- to establish a **LOCKSS network** including a **competence center** for technical support in Germany
- to test the **interoperability** between the bitstream preservation of LOCKSS and the migration management of KOPAL
- to test the prototype by archiving data from German **institutional repositories**.

LuKII takes a step toward the development of format-independent archiving techniques and offers solutions for preserving the bitstream integrity and authenticity of digital objects.

Networked from Berlin to Lake Constance



BSB	Bavarian State Library
DNB	German National Library
HBZ	North Rhine-Westphalian Library Service Centre
HU Berlin	Humboldt-Universität zu Berlin
KIT	Karlsruhe Institute of Technology
Stabi Berlin	Berlin State Library
SLUB Dresden	Saxon State and University Library Dresden
SUB Göttingen	Goettingen State and University Library
Uni Konstanz	University of Konstanz
ULB Münster	University and State Library of Münster
UB Stuttgart	Stuttgart University Library