TIB LEIBNIZ INFORMATION CENTRE
FOR SCIENCE AND TECHNOLOGY
UNIVERSITY LIBRARY

FACTS & FIGURES

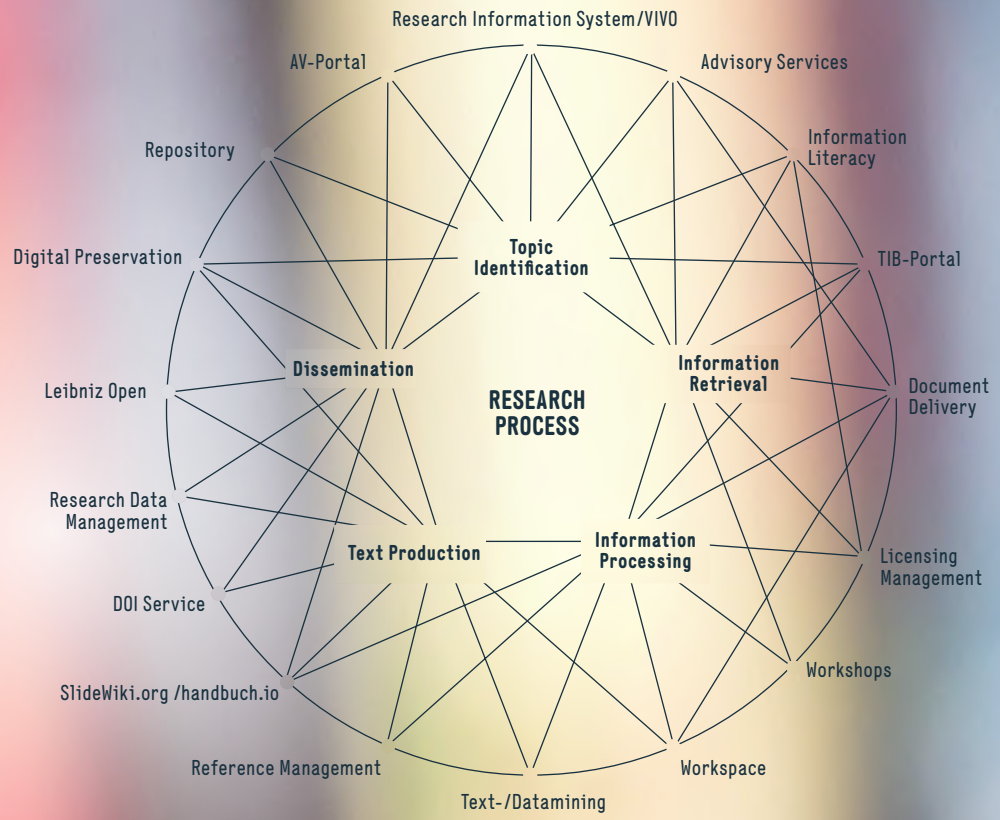
INFORMATION CENTRE FOR THE DIGISATION
OF SCIENCE AND TECHNOLOGY.

TIB IS THE GERMAN NATIONAL LIBRARY OF SCIENCE AND TECHNOLOGY, AS WELL AS ARCHITECTURE, CHEMISTRY, COMPUTER SCIENCE, MATHEMATICS AND PHYSICS.

TIB IS A MEMBER OF THE LEIBNIZ ASSOCIATION.

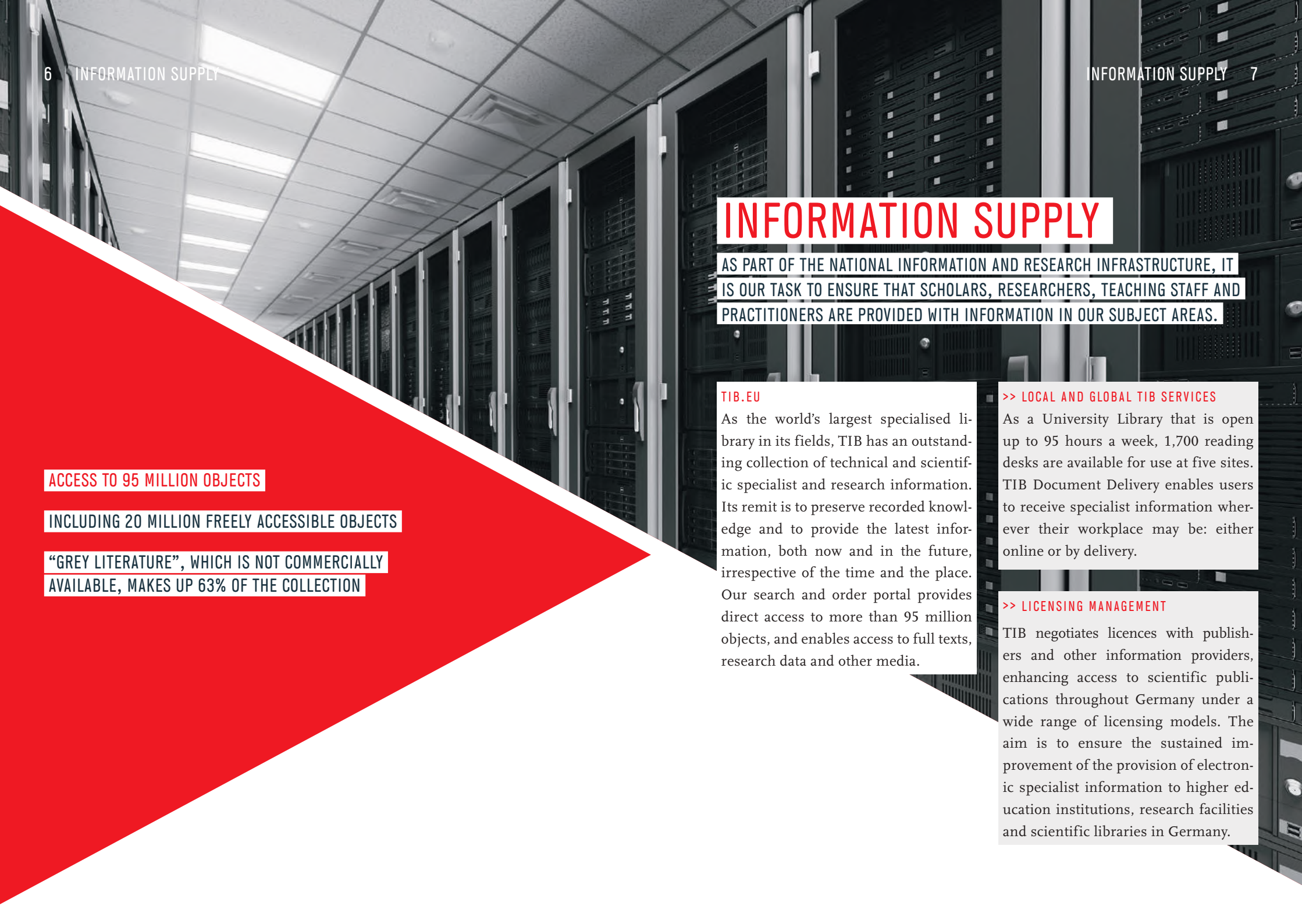
Leibniz Association

CONTENT



"AS AN INFORMATION CENTRE FOR THE DIGITISATION OF SCIENCE AND TECHNOLOGY, OUR OBJECTIVE IS TO SUPPORT RESEARCHERS AT ALL STAGES OF THEIR WORK BY PROVIDING THEM WITH OUR SERVICES."

Professor Dr. Sören Auer



INFORMATION SUPPLY

AS PART OF THE NATIONAL INFORMATION AND RESEARCH INFRASTRUCTURE, IT IS OUR TASK TO ENSURE THAT SCHOLARS, RESEARCHERS, TEACHING STAFF AND PRACTITIONERS ARE PROVIDED WITH INFORMATION IN OUR SUBJECT AREAS.

ACCESS TO 95 MILLION OBJECTS

INCLUDING 20 MILLION FREELY ACCESSIBLE OBJECTS

“GREY LITERATURE”, WHICH IS NOT COMMERCIALLY AVAILABLE, MAKES UP 63% OF THE COLLECTION

TIB.EU

As the world’s largest specialised library in its fields, TIB has an outstanding collection of technical and scientific specialist and research information. Its remit is to preserve recorded knowledge and to provide the latest information, both now and in the future, irrespective of the time and the place. Our search and order portal provides direct access to more than 95 million objects, and enables access to full texts, research data and other media.

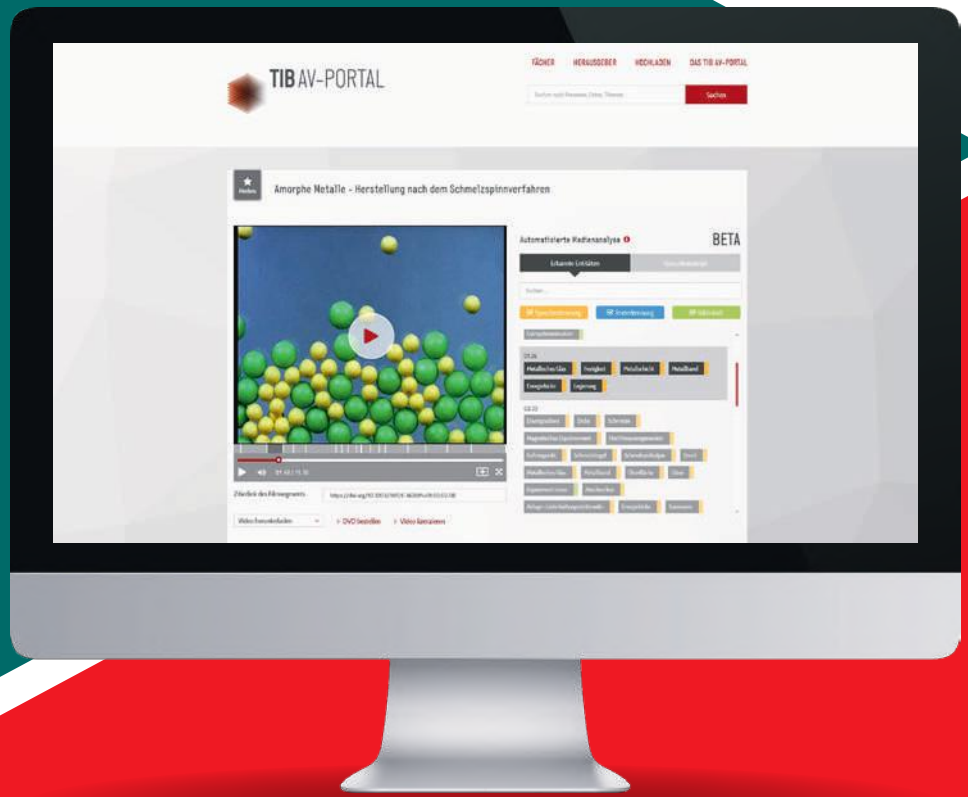
>> LOCAL AND GLOBAL TIB SERVICES

As a University Library that is open up to 95 hours a week, 1,700 reading desks are available for use at five sites. TIB Document Delivery enables users to receive specialist information wherever their workplace may be: either online or by delivery.

>> LICENSING MANAGEMENT

TIB negotiates licences with publishers and other information providers, enhancing access to scientific publications throughout Germany under a wide range of licensing models. The aim is to ensure the sustained improvement of the provision of electronic specialist information to higher education institutions, research facilities and scientific libraries in Germany.

15.000 SCIENTIFIC VIDEOS



AV.TIB.EU

AV-Portal is a platform for sharing scientific videos such as computer visualisations, simulations, experiments, and recordings of lectures and conferences. The added benefit: semantic content analysis enables users to search for specific content in a video. Video sequences can then be cited as easily as texts using Digital Object Identifiers (DOIs).

>> DIGITAL PRESERVATION

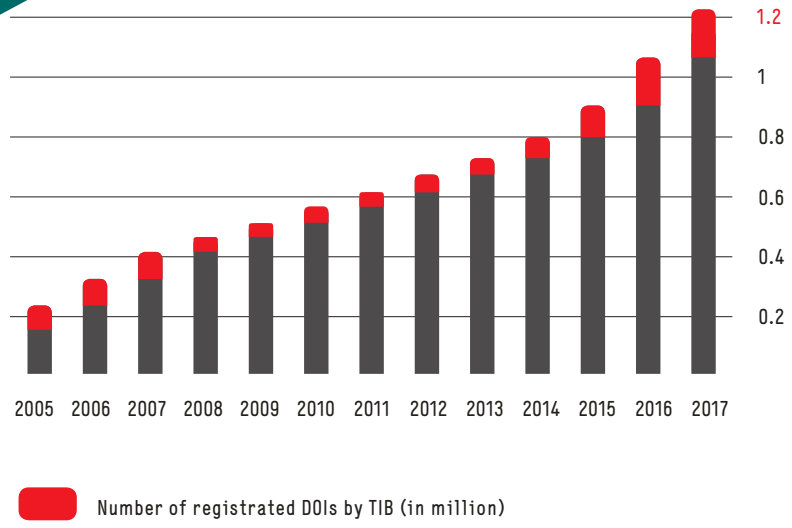
File formats and data carriers quickly become outdated. As a result, digital objects are often no longer accessible in their original state after a few years. TIB ensures the digital preservation of films in the AV-Portal. Other institutions can also digitally preserve their electronic collections in TIB's reliable archives.

>> TIB CONFERENCE RECORDING SERVICE TIB.EU/CONFREC

The world of science thrives on the communication and dissemination of scientific results. TIB's recording service offers conference organisers from the scientific community and industry an extensive package of services, including the recording, live streaming and publication of conference proceedings in the AV-Portal.

RESEARCH DATA MANAGEMENT

RESEARCH DATA CONSTITUTES THE BASIS FOR NEW SCIENTIFIC KNOWLEDGE. ONE OF OUR MAIN TASKS IS TO ENSURE SUSTAINED ACCESS TO SUCH DATA.



TIB DOI SERVICE: IDENTIFICATION AND REFERENCING OF RESEARCH RESULTS

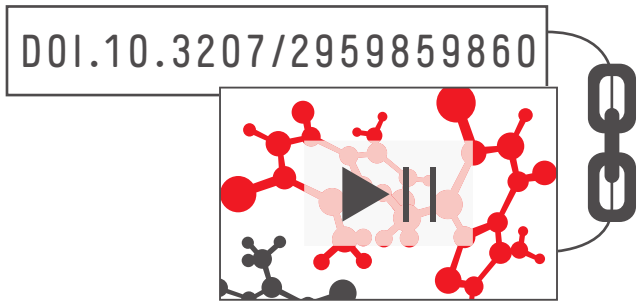
TIB allocates Digital Object Identifiers (DOIs) for research results published in the fields of science and technology. With a DOI, research data can easily be cited and linked; it also makes data unambiguously referenced and easier to access.

RADAR-SERVICE.EU

In collaboration with FIZ Karlsruhe, which operates the system, TIB provides training and advice on how to use the RADAR Research Data Repository. RADAR provides a cross-disciplinary service for the permanent storage and accessibility of research data from projects undertaken at higher education institutions and research institutions.

>> DATACITE.ORG

TIB is a founder member of the international consortium DataCite – an alliance of leading research libraries and information centres. DataCite is actively involved in the development of technical standards and workflows for a global research data infrastructure.



OPEN ACCESS

BY ENABLING USERS TO ACCESS RESEARCH RESULTS FREELY, OPEN ACCESS PUBLICATIONS PROMOTE EFFICIENT AND MODERN RESEARCH, TEACHING AND LEARNING PROCESSES. WE ARE HELPING RESEARCHERS TO PUBLISH THEIR WORK SO THAT IT IS HIGHLY VISIBLE AND EASILY ACCESSIBLE, AND PROVIDE INFORMATION ABOUT THE TOPIC OF OPEN ACCESS PUBLISHING IN WEBINARS AND WORKSHOPS.

OPEN ACCESS REPOSITORIES

Open Access publications enhance the visibility and reach of scientific findings. Besides appearing in Open Access journals as first publications, articles can also be archived in repositories as secondary publications. TIB operates the Open Access repository of Leibniz Universität Hannover and is involved in operating the Leibniz Association repository.

>> OPEN EDUCATIONAL RESOURCES (OER)

SLIDEWIKI.ORG

The SlideWiki platform, developed in collaboration with partners within a European consortium, enables teaching staff to collaboratively develop, update, share and translate open teaching and learning material on the web.

HANDBUCH.IO

This collaborative Open Source-based writing and publication platform has been developed to carry out book projects designed as “living books”: authors can update their contributions at any time, taking into account the latest developments in their respective discipline.

>> ARXIV.ORG

TIB fosters the long-term operation of the arXiv Open Access platform. The source of information for specialist communities in astronomy, chemistry, computer science, mathematics and physics is an important platform when it comes to the rapid publication of research results.

RESEARCH AND DEVELOPMENT

BY CONDUCTING EXCELLENT RESEARCH AND DEVELOPING INNOVATIVE DIGITAL SERVICES, WE ARE HELPING TO SHAPE THE TRANSITION OF LIBRARIES AND THE DIGITISATION OF SCIENCE AND TECHNOLOGY.

DATA SCIENCE & DIGITAL LIBRARIES

What is the ideal way to search through large data collections on the internet, in libraries and archives? How can widely diffused information be connected better, and how can information flows between organisations be more smoothly organised? TIB is engaged in exploring such issues within a joint lab in collaboration with Leibniz Universität Hannover and L3S Research Centre.

SCIENTIFIC DATA MANAGEMENT

The research conducted by TIB supports data-intensive applications in science. One of the central challenges involved is to develop efficient, scalable methods for integrating large volumes of data. The applications developed are primarily used in biomedicine and digital libraries to generate usable findings from heterogeneous data.

VISUAL ANALYTICS

TIB is exploring visual methods of analysis, search and presentation that are used in digital libraries, as well as media archives and databases.

OPEN SCIENCE LAB

The Open Science Lab focuses on the transition to open, inclusive and collaborative digital science. In cooperation with the scientific community, TIB is testing new methods and tools for supporting the work of researchers.

NON-TEXTUAL MATERIALS LAB

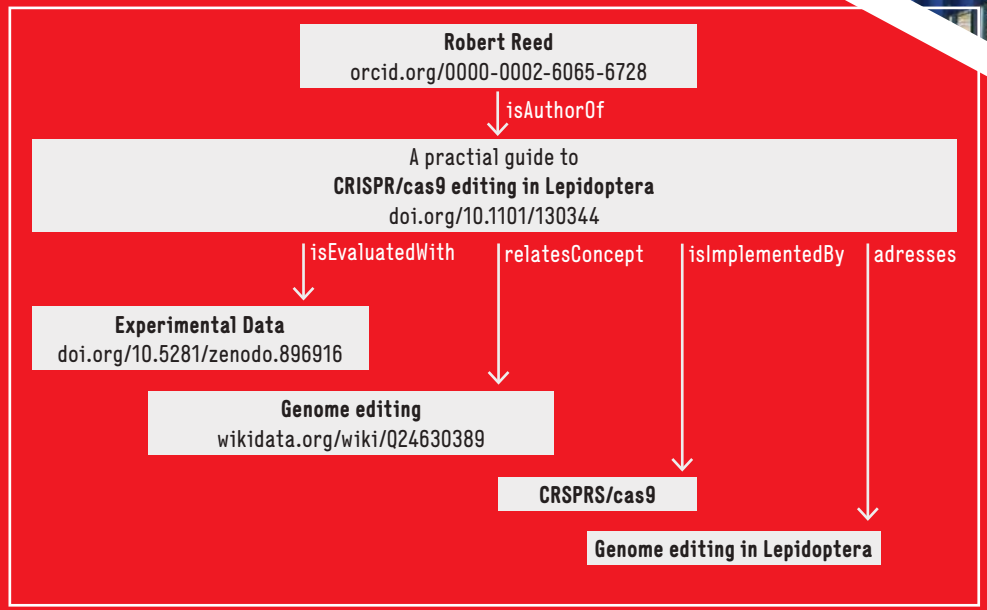
In close cooperation with scientific communities, the Non-Textual Materials is developing infrastructures, tools and services that improve access and use of non-textual material such as audiovisual media, 3D models, research data and software.

>> LABS.TIB.EU

TIB continually transfers the results of research activities to regular library operations. TIB Labs offers insights into contemporary research and development work and invites participants to try out new technologies and services.

OPEN RESEARCH KNOWLEDGE GRAPH

The Open Research Knowledge Graph links the semantic presentation of research results to a wide range of information sources and infrastructures. As a result, complex information can be presented more effectively, and research results can be seamlessly linked with each another. Since results can be compared directly and reused easily, the process of scientific work can be conducted more effectively and efficiently more effective and efficient.



TIB IN DIALOGUE

IN OUR EFFORTS TO FURTHER DEVELOP THE SCIENTIFIC INFORMATION INFRASTRUCTURE, WE HAVE BEEN WORKING TO MAINTAIN DIRECT COMMUNICATION WITH OUR SPECIALIST AND RESEARCH COMMUNITIES.

CUSTOMER SATISFACTION

92 % Document Delivery
85 % Digital Preservation
84 % Open Access Repositories
84 % Open Access Publishing Fund
96 % DOI Service
93 % TIB Licensing Service

CONGRESSES / SYMPOSIUMS / WORKSHOPS

As a regular host of international conferences and specialist forums, TIB creates opportunities for exchange and networking at the crossroads of science and librarianship.

MARKET RESEARCH

In a bid to advance the products and services it offers and to develop new areas of activity, TIB regularly uses qualitative and quantitative methods to gauge the needs of its users.

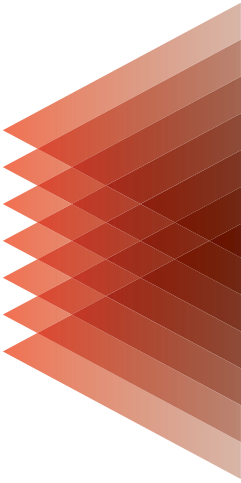
COMMUNITY BUILDING

TIB harnesses its contacts to specialist communities in the shaping of new services, and uses a constant flow of feedback to improve the services it offers.

>> TIB.EU/TRANSFER

In recent years, a wealth of expertise has been developed in the digitisation of core areas at TIB and L3S Research Centre of Leibniz Universität Hannover. We regularly present this expertise to interested cooperation partners through a series of events in an effort to promote and maintain long-term cooperation cooperation between research and industry.

GERMAN NATIONAL LIBRARY OF SCIENCE AND TECHNOLOGY (TIB)
WELFENGARTEN 1 B // 30167 HANNOVER // GERMANY
T +49 511 762 8989 // CUSTOMERSERVICE@TIB.EU



WWW.TIB.EU