

## DataCite – International consortium for data citation

Jan Brase<sup>1</sup>

<sup>1</sup>German National Library of Science and Technology, Welfengarten 1b, 30167 Hannover. Germany, [jan.brased@tib.uni-hannover.de](mailto:jan.brased@tib.uni-hannover.de)

Access to research data is nowadays defined as part of the national responsibilities and in recent years most national science organisations have addressed the need to increase the awareness of, and the accessibility to, research data.

Nevertheless science itself is international; scientists are involved in global unions and projects, they share their scientific information with colleagues all over the world, they use national as well as foreign information providers.

When facing the challenge of increasing access to research data, a possible approach should be global cooperation for data access via national representatives.

- a **global** cooperation, because scientists work globally, scientific data are created and accessed globally.
- with **national representatives**, because most scientists are embedded in their national funding structures and research organisations .

DataCite was officially launched on December 1st 2009 in London. 12 partners from 9 countries have come together to form DataCite: The German National Library of Science and Technology (TIB), the British Library, the French L'Institut de L'Information Scientifique et Technique (INIST), the Technical Information Center of Denmark, the TU Delft Library from the Netherlands, the Canada Institute for Scientific and Technical Information (CISTI), the California Digital Library (USA), the Purdue University (USA), the Australian National Data Service (ANDS), the German National Library of Medicine (ZB MED), the Leibniz Institute for Social Sciences GESIS and the Eidgenössische Technische Hochschule in Zurich. By assigning DOI names to data sets, data becomes citable and can easily be linked to from scientific publications.

Data integration with text is an important aspect of scientific collaboration. DataCite takes global leadership for promoting the use of persistent identifiers for datasets, to satisfy the needs of scientists. Through its members, it establishes and promotes common methods, best practices, and guidance. The member organisations work independently with data centres and other holders of research data sets in their own domains. Based on the work of TIB as the first DOI-Registration Agency for data, DataCite has registered over 800,000 research objects with DOI names, thus starting to bridge the gap between data centers and publishers.

This presentation will introduce the work of DataCite and give examples how scientific data can be included in library catalogues and linked to from scholarly publications.

<http://www.datacite.org>