Open-Access-Statistics: A Value-Added Service

Open-Access-Statistik

Open-Access-Statistics (OA-S) is a joint project addressing the following questions and targets:

1. The development of a permanent infrastructure – connected to the German network of Open Access Repositories (OA-Network) – for the collection and processing of usage data. In addition to the different repository software solutions of the project partners (DSpace, OPUS and edoc) so-called link resolvers (such as SFX) and license servers (HAN and others) are taken into account as well.

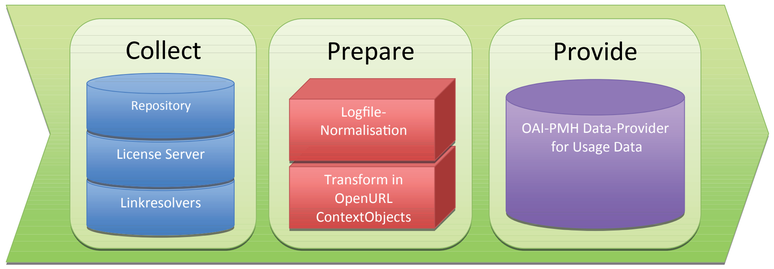
2. OA-S aims to develop and establish a reliable standard for an exchange of usage data in order to measure traffic and statistics from open access repositories and link resolvers. This development is built on the basis of existing standards and rule sets such as COUNTER.

Recommendations will be added to the DINI-Certificate to promote the standardised collection and provision of usage data and statistics. Moreover, guidelines and software packages will be made available to support repository managers to provide standardised data and to add descriptive statistics to their end-user services.

http://www.dini.de/oa-statistik/

Data Provider

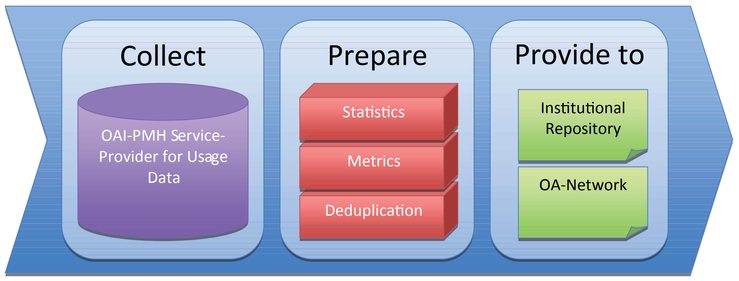
The usage data is collected by the participating project partners and is subsequently processed. To prepare the usage data for central harvesting, it is advisable to transform it into a standardised and uniform format (OpenURL Context Objects). This standardised data is provided via an OAI-PMH interface.



In principle, the OA-Statistics infrastructure is open to the integration of national and international repositories. All local data providers will benefit from the data aggregation and processing services provided by the central service provider.

Service Provider

The central service provider queries the data providers via the OAI-PMH interface and collects the usage data from the project partners. As the usage data is available in a uniform format, the service provider is able to generate a variety of statistics and metrics.
In addition, a deduplication of usage data will be carried out using the services of the OA-Network project. The usage statistics will then be made available through web interfaces, including the search interface of the project OA-Network. Moreover, all participating repositories will receive the aggregated usage statistics to integrate them in their local services.

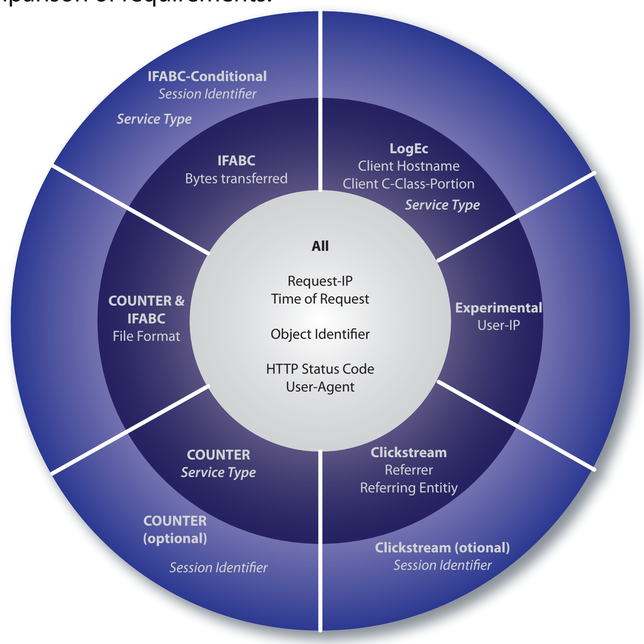


Services

The project's objectives include the design and construction of various end-user services on the level of institutional repositories, for example by providing new options for selection and presentation of electronic resources. Furthermore, the display of usage data associated to the electronic document - on a local as well as on a national level - provides an attractive service for scientists, universities, research and funding institutions. It indicates in a standardised and reliable way how scientific publications are used and what impact free access has on the usage and visibility of the publications.

First Project Results

Usage data occurs in a wide variety of scenarios. One objective for the project is the insight which access characteristics need to be gathered. Established standards like COUNTER, IFABC, LogEc and methods like clickstream analysis impose different requirements on the necessary usage data. A first outcome of the project is a comparison of requirements:



Project Partners:

HUMBOLDT-UNIVERSITÄT ZU BERLIN

University of Stuttgart
Germany

SAARLÄNDISCHE UNIVERSITÄTS-UND LANDESBIBLIOTHEK

NIEDERSÄCHSISCHE STAATS- UND UNIVERSITÄTSBIBLIOTHEK GÖTTINGEN

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