Open Access Statistics: How to Generate Interoperable Usage Information from Distributed Open Access Services

PIRUS2 – End of Project Seminar

Counting Individual Article Usage

London, 23.02.2011
OAS – Fact Sheet

First term 2008 - 2010

Project partners:
- Göttingen State- and University Library
- Computer and Media Service, Humboldt-Universität zu Berlin
- Saarland University and State Library
- University Library of Stuttgart

http://www.dini.de/projekte/oa-statistik/english/
Challenges

- Log files as a result of the usage of repositories
- Gathering and aggregation of usage events through a central service provider
- Value-added services provided by the central service provider
- Usage data then to be retransferred to the repositories
Aims

- A common standard to enable the exchange of usage data between different services (e.g. repositories)
- An infrastructure to collect, process and exchange this usage data
- Usage data has to be provided by the repositories according to standards (COUNTER, LogEc and IFABC)
- Value-added services for repositories
- Implementation guidelines
Technical Infrastructure
Data provider

Collect
- Hits
- Log File

Prepare
- Link with Local Identifiers
- Transform into OpenURL ContextObjects

Provide
- OAI-PMH Data-Provider for Usage Data
Service provider

Collect
OAI-PMH Service-Provider for Usage Data

Prepare
- Deduplicate (Users and Documents)
- Filter Robots
- Aggregate

Provide
- Repositories
- Value-Added Services (e.g. OAN)
Results and Outlook
Lessons Learned I

- Need for a central clearing house

- An amount of unnecessary data (OpenURL CO) → increase of the data size by factor ~10

- Different situation with Linkresolvers
Lessons Learned II

- Not every standard (COUNTER, LogEc and IFABC) fulfils the requirements → focus on COUNTER and IFABC

- Potential legal problems with German laws on privacy issues
Results

- Infrastructure for exchange of usage statistics

- Modules for OPUS- and DSpace-based repositories, other products can be configured easily, [http://www.dini.de/projekte/oa-statistik/english/software/](http://www.dini.de/projekte/oa-statistik/english/software/)


- Online demo [http://oa-statistik.sub.uni-goettingen.de/statsdemo](http://oa-statistik.sub.uni-goettingen.de/statsdemo)

- Website with further information [http://www.dini.de/projekte/oa-statistik/english/](http://www.dini.de/projekte/oa-statistik/english/)
Repository integration

Hoffmann, Daniela; Bauer, Daniel; von R Schleyer, Paul; Pieper, Ursula; Stalke, Dietmar (1993): Cation-induced structural alterations in the organo alkali metal ecxations of ph3k-pmtda, ph3k-pmtda (1), and ph3k-pmtda (2) in organometallics; Vol. 12, 4, 1193-1200

Verlinken Sie auf bzw. zitieren Sie dieses Dokument mit der folgenden permanenten URL:
http://resolver.sub.uni-goettingen.de/purl/goescholar/5377

Zusammenfassung: The set of alkali metal solid-state structures of Ph3K·M·[N·K, Rb, Cs·L = (ligands) PMDTA, (B2ZV, B2TV·pentamethyldiethylentriamine), THF (tetrahydrofuran)] provides instructive comparisons. Ph3K·THF·PMDTA (1) crystallizes as a monomeric contact ion pair, the K+ cation is symmetrically coordinated to one of the phenyl rings, but not to the deprotonated central carbon. Both (Ph3Rb·PMDTA), (2) and P·CC(PMMDTA) (3) form one-dimensional polymers and eschew THF. The Rb cations in 2 bridge the triphenylmethyl moieties by $\ldots$-exclusion to separate phenyl rings. This gives rise to a zigzag chain. In 3, each Cs cation also bridges two carbanions, but in a somewhat different fashion. While Cs is located rather symmetrically (1/3 above the phenyl ring of one triyl moiety, a “propeller”-like coordination to a second triyl anion...
OAS 2 – Aims

Start in April 2011 – for 2 years:

- Clarification of legal questions (laws on privacy protection)
- Opening the OAS infrastructure to offer standardised usage statistics
- Evaluation of metrics
  a) based on the pure frequency of usage
  b) more sophisticated approaches
- Cooperation to facilitate international comparable usage statistics
- Offer a functional service infrastructure
  - Sustainability report after the first year
International cooperation

- PIRUS Publisher and Institutional Repository Statistics, UK
- SURFSure Statistics on Usage of Repositories, NL
- Knowledge Exchange Usage Statistics Group
  - Denmark’s Electronic Research Library (DEFF)
  - German Research Foundation (DFG)
  - Joint Information Systems Committee (JISC)
  - SURFFoundation, Netherlands

- Common sense
  - Exchange format: OpenUrl ContextObjects
  - Transfer via OAI-PMH
  - Infrastructure based on a data provider – service provider system
  - Normalisation: Robots-Detection

- COUNTER, NEEO, PEER, OAPEN ...
Thanks for your attention!

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