Scientific Data Management in Large University Research Projects.

A Status Report
… traditionally in the area of
Scientific Library Services & Information Systems

Main goals:

► establish long-term information infrastructures for the German research community.
► emphasis is on projects of a national scale or a structure-building nature.

► DFG Position Paper 2006

Further information: www.dfg.de/lis
Encouraging Cooperation and Interdisciplinarity

- Research Units
- Clinical Research Units
- Priority Programmes
- Research Training Groups
- Collaborative Research Centres
- DFG Research Centres
- The "Excellence Initiative"
Collaborative Research Centres (CRC)

Currently 238 CRC are ...

► long-term university research centres
  ● up to 12 years (3 x 4)

► to create „core research focuses“ at universities

► ambitious joint interdisciplinary research
  ● 20-25 scientific projects / workinggroups

► large amounts of data
Collaborative Research Centres (CRC)

Service-Project „Information Infrastructure“

► Data Management and / or

► Virtual Research Areas

Prerequisite

► Science driven: Service for scientific projects in the CRC (duration max 3x 4 years)

► Team of projectleaders: scientist + information expert (library, media and computing centres)

► Sustainability
Collaborative Research Centres (CRC)
Service-Project „Information Infrastructure“

<table>
<thead>
<tr>
<th>Category</th>
<th>Submitted</th>
<th>Funded</th>
<th>Funding</th>
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<tbody>
<tr>
<td></td>
<td>31 proposals</td>
<td>19 projects</td>
<td>10.1 m Euro</td>
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<tr>
<td></td>
<td>(14.5 m Euro)</td>
<td>(4 years each)</td>
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**Humanities and Social Sciences** (11 cases / 58%)
**Life Sciences** (5 cases / 26%)
**Natural Sciences** (2 cases / 11%)
**Engineering Sciences** (1 case / 5%)
CRC 600 Trier University

History, sociology: „Strangers and Poor People. Changing Patterns of Inclusion and Exclusion from Classical Antiquity to the Present Day“

Research-Network and Database-System:

► Inventory of data and text
► Analysis of content, annotations, register
► Compilation / editorial tasks
► Archiving and publication
► www.fud.uni-trier.de
CRC 833 Tübingen University

Linguistics: “The emergence of meaning”

Central research question: how does meaning arise? (a) in context, (b) during linguistic processing, (c) in the specific circumstances of an individual language variety. The research group contains linguists and cognitive scientists.

The Storage of Diverse Data Types –

Representation and Processing

► task: to store and provide access to the data generated in the SFB

► aims: to ensure that the research data remains accessible and reusable in future studies,

► to permit the traceability and verification of published results throughout the whole process of their collection.
Transregional CRC 54, Universities Berlin and Munich

Medicine: „Growth and Survival, Plasticity and cellular Interactivity of lymphatic Malignancies“

Integrated Data Management:

► comprehensive data management and analysis platform
► central database for storing experimental data (projects)
► review with respect to defined quality criteria
► integration of information from external data sources
► access through an intuitive web interface
Transregional CRC 32, Universities Bonn, Aachen, Jülich, Cologne


http://www.tr32db.uni-koeln.de/

„Data storage and data exchange is a key issue in interdisciplinary research projects which focus on environmental field studies and regional modelling.“ Aims:

► organization of data
► implementation of a database
► maintenance of a system for intensive data exchange between the project sections
Collaborative Research Centres (CRC)

► are long-term university research centres
► ambitious joint interdisciplinary research
► large amounts of data

Service-projects for information-infrastructure since 2007 possible

Declaration on the handling of own research data in CRC proposals since 2009 required
All researchers - not only in collaborative research centres - have to deal with the management of their data.

Service projects for information infrastructure shall enable researchers in CRCs to build up effective and powerful tools for data management and modern communication.

Furthermore every CRC has to make a statement about its data management in the application.
Thank you for your attention

**Further Information**

- On the DFG: [www.dfg.de](http://www.dfg.de)
- On all DFG-funded projects: [www.dfg.de/gepris/](http://www.dfg.de/gepris/)
- On more than 17,000 German research facilities: [www.dfg.de/research_explorer/](http://www.dfg.de/research_explorer/)
- [eva.effertz@dfg.de](mailto:eva.effertz@dfg.de)