

# Contribution to EC Public Consultation on Open Research Data

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Brussels, 02 July 2013



# FIZ Karlsruhe – Leibniz Institute for Information Infrastructure

- FIZ Karlsruhe, founded in 1977, is a non-profit scientific service institution - integrating content, technology and services for scientific information
- Member of the Leibniz Association (86 research institutions)
- Significant role in recent major national initiatives:
  - „Commission for the Future of the Information Infrastructure“ (KII, 2010/11) coordinated by the President of FIZ Karlsruhe
  - Active member of „Alliance-Initiative Digital Information“ (2008 -> )
- Examples of participation in current projects:
  - SCAPE- SCALable Preservation Environments (FP7) (ongoing)
  - RADAR- Research Data Repository (DFG, starting 09/2013)



**Q1: How can we define research data and what types of research data should be open?**

**Q2: When and how does openness need to be limited?**

Ad 1: various types of research data:

- measured data (experimental, observations), derived data, computed/simulated, intellectually derived
- raw data, analyzed/corrected data, results
- research data: all data that are used as *input* for a specific research or that are *results* of that research
- data that are the basis for publications should be publicly available

Ad 2: Barriers for sharing or publishing data may be

- scientific reasons: e.g. when mis-use is likely
- legal aspects: privacy protection; not sure about ownership/rights
- security aspects
- commercial aspects: competition, patentability of results

## Q3: How should the issue of data re-use be addressed?

## Q4: Where should research data be stored and made accessible?

Ad 3: Publicly available data in order to be re-usable have to be

- easily findable and accessible (=> metadata, repositories, standards)
- well-documented (incl. provenance data), understandable and quality-checked to provide trust in their reliability
- legal: CC-licences (or equivalent) for data sets?

Ad 4: Trusted “professional”, long-term services are required

- neutral (non-commercial) institutions in close cooperation with research communities
- may be disciplinary or discipline-independent
- sustainable business models have to be developed
- audit/certification

EC should fund the set-up of such infrastructures/services in Horizon2020

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