TMF – A Common Platform for Medical Research Networks in Germany

Improving the Organisation and Infrastructure
of Medical Research in Cooperative Structures

Welcome !

HealthGrid 2008 Conference –
Chicago, 02-06-2008

TMF – Germany's operative platform for networked health research – and it's FORUM GRID

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(CEO - TMF Office)

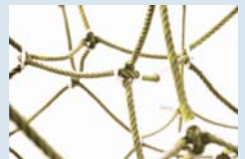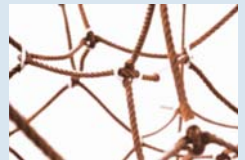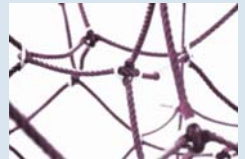Telematikplattform für Medizinische Forschungsnetze (TMF) e.V.

Berlin / GERMANY

- Head organization of medical Research Networks in Germany
- Funded by the *German Ministry of Education and Research (BMBF)*
- Established in 1999 as platform for IT-projects parallel to the establishment of large scale collaboration projects
  - Competence networks in Medicine
  - Coordination Centres for Clinical Trials (KKS)
- community-driven
- central office and expert working groups / forums

gefördert vom Bundesministerium für Bildung und Forschung

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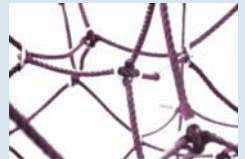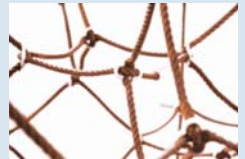HealthGrid 2008, Chicago, 02-06-2008: TMF and Forum Grid in Germany

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Meta-organisation TMF

⇨ Networked research: common demands and problems (technical, legal, organisational)

⇨ central nation-wide acting partner for issues of networked medical research

⇨ broad focus: technical platform and communication broker within the community

⇨ one of the few national central institutions for telematics in health care in Germany

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Aims

⇨ to improve medical research in terms of quality, organisation and cooperation

⇨ to develop high-performance **IT infrastructures**, implementation in interconnected structures

⇨ to solve common questions of networked medical research (e.g. collecting, processing and exchanging research data)

⇨ to clarify the **legal and ethical framework** for conducting medical research

⇨ to contribute to sustainable and efficient health research by improved translation of research findings into health care

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Members

national networks and institutions

- Competence Networks in Medicine
- Coordinating Centres for Clinical Trials
- Networks for Rare Diseases
- German National Genome Research Network
- Fraunhofer Institute for Toxicology and experimental Medicine
- and others

2007: ca 60 members (2003: 30 members)

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Working groups

- IT infrastructure and Quality management

- Data protection, privacy and security

- Biobanking

- Management of clinical trials

- Molecular Medicine

- Zoonosis and infectious diseases research

- Medical Devices Research

Forums

- 3 role-specific forums:
  Network speakers, CEOs, PR officers

- Rare Diseases Networks

- NEW: Forum Grid

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TMF Projects

- bottom-up approach

- scientist-defined needs and projects, funded by BMBF (via TMF)

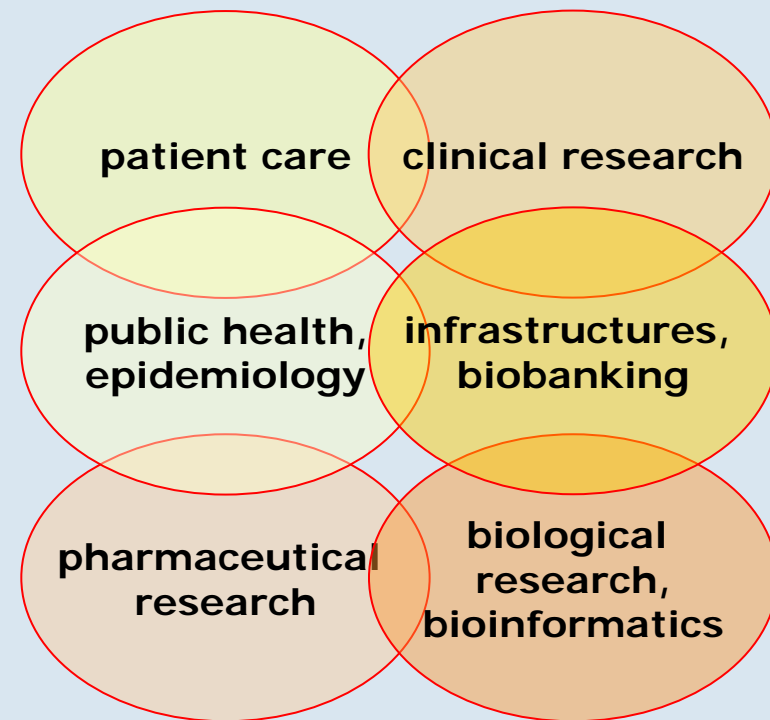## Main topics

- Legal and ethical framework conditions

- IT infrastructure for clinical research

- Interconnection of research and health care

- Standards and terminology

- Quality management

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Standards and terminology

Projects and aims:

- ⇨ evaluation of CDISC standards

- ⇨ CDISC based macros

- ⇨ harmonisation of documentation
  and ontologies,
  data dictionaries or clinical values

- ⇨ contributions to harmonize standards
  from patient care (HL7/CDA, CCR, ...)
  and clinical research (CDISC)
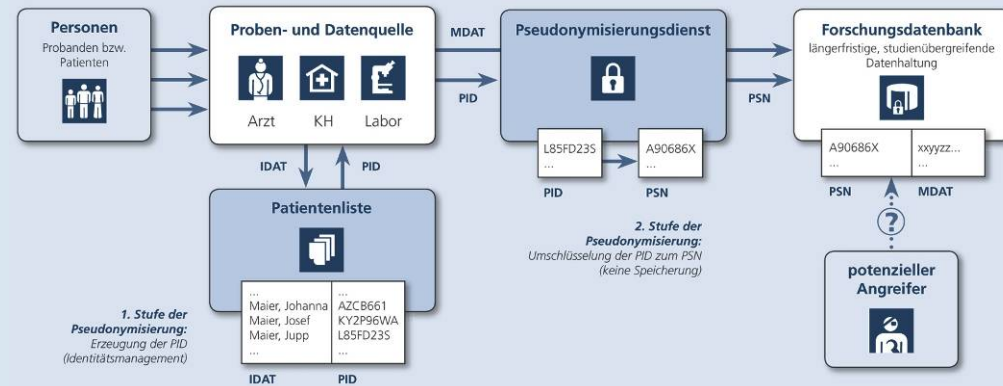 to epidemiology and bioinformatics

- ⇨ ...

TMF memberships: HL7, CDISC, HealthGrid, D-Grid (via MediGRID),
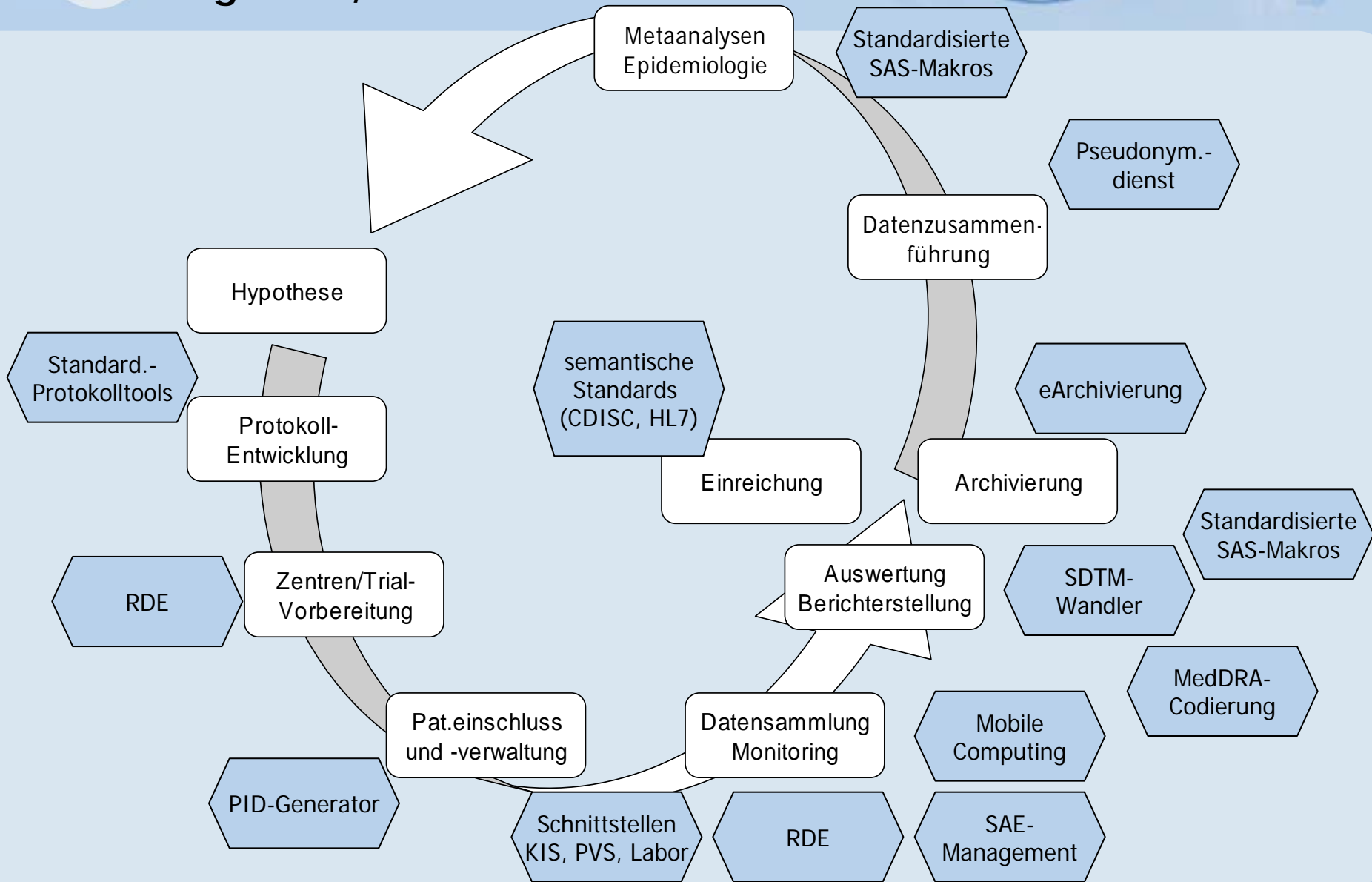Gematik advisory Board

IT infrastructure for clinical research

Projects:

- ✍ pseudonymisation tools

- ✍ CDISC-based data converters (SAS makros, SDTM converter)

- ✍ Content management systems

- ✍ Study management systems

- ✍ Telemedicine infrastructure

- ✍ SAE management / electronic reporting

- ✍ conceptual work on the use and evaluation of software systems (e.g. archiving and document management systems)

- ✍ involvement in EU infrastructure projects (EATRIS, ECRIN, BBMRI)

- ✍ IT validation and evaluation

- ✍ Grid Platform / Grid-based services (MediGrid/D-Grid)

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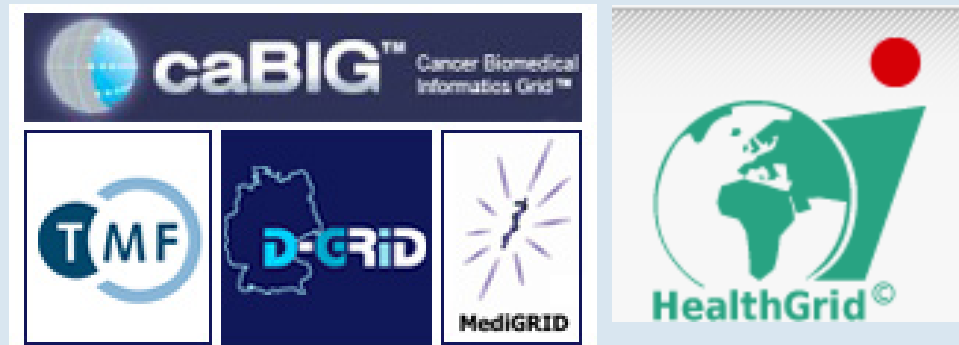HealthGrid 2008, Chicago, 02-06-2008: TMF and Forum Grid in Germany

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- established in Jan. 2008
- Forum for all Grid projects and experts in the healthcare / medical research / life sciences field
- cooperation with Germany's national Grid platform D-Grid (not health care/medical research- specific)
- Aims: coordination and fostering of Grid use in life sciences

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Forum Grid – Activities planned

- discussion of experiences from Grid projects
- public relations and surveys of Grid use
- integration of Grid resources to TMF's work on a national IT strategy for medical research
- community-specific coaching and brokering of Grid resources
- support for cooperation of industry and academia
- building up new cooperations, project consortia
- workshops and well-coordinated cooperation with international partners (EU projects, national projects and institutions e.g. caBIG, UK NCRI, …)

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... if you're looking for German partners in Health Grid projects – please feel free to contact us ! FORUM GRID (TMF)

More Informationen:

http://www.tmf-ev.de/

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