



ПОСОЛЬСТВО
ФЕДЕРАТИВНОЙ РЕСПУБЛИКИ ГЕРМАНИЯ
МОСКВА



The New High-Tech-Strategy – Innovations for Germany





1. Provide inspiration and orientation.

"If you want to build a ship, don't drum up people to collect wood and don't assign them tasks and work, but rather teach them to long for the endless immensity of the sea."

Antoine de Saint-Exupery



High-Tech Strategy – six priority challenges



1. Digital Economy and Society
2. Sustainable Economy and Energy
3. Innovative World of Work
4. Healthy living
5. Intelligent Mobility
6. Civil Security

www.hightech-strategie.de (in English)



Medical Informatics Initiative

Basic idea: The digitisation of medicine is creating new opportunities for patient care and research.

If we

- strengthen medical research ...
- merge medicine and IT further ...
- overcome existing borders in exchange and in the use of data ...

... we can decisively improve research and supply.





Medical Informatics Initiative

"Our vision is that every doctor, whether in clinics, general or specialist practices, can retrieve all available empirical values and research results at the touch of a button and include in his therapy decisions. This will provide patients with even better advice and treatment in the future."

Consortia and participants during the development and networking phase

DIFUTURE

CONSORTIUM PARTNERS

- Augsburg:
 - University of Augsburg (UA)
- Bochum:
 - Kairos GmbH (KAIROS)
- Munich:
 - Technical University of Munich (TUM) / University Hospital rechts der Isar (MRI)
 - Ludwig Maximilians University Munich (LMU) / Ludwig Maximilians University Hospital (KUM)
- Tübingen:
 - Eberhard Karl University Tübingen (EKUT) / University Hospital Tübingen (UKT)

NETWORK PARTNERS

- Homburg:
 - Saarland University Medical Center
- Regensburg:
 - University Hospital Regensburg
- Saarbrücken:
 - Saarland University

HIGHmed

CONSORTIUM PARTNERS

- Berlin:
 - Robert Koch Institute
 - Ada Health GmbH
- Brunswick:
 - Brunswick University of Technology (TU Braunschweig)
 - Helmholtz Centre for Infection Research GmbH (HZI)
- Darmstadt:
 - Darmstadt University of Technology (TU Darmstadt)
- Erlangen:
 - Siemens Healthcare GmbH
- Göttingen:
 - University Medical Center Göttingen
- Hannover:
 - HAWK University of Applied Sciences and Arts Göttingen
- Hannover:
 - Hannover Medical School
 - Hannover University of Applied Sciences and Arts

Heidelberg

- Heidelberg:
 - Heidelberg University Hospital and the Medical Faculty of Heidelberg
 - German Cancer Research Centre
 - NEC Laboratories Europe
- Heilbronn:
 - Heilbronn University
- Potsdam:
 - Hasso Plattner Institute
- Walldorf:
 - InterComponentWare AG
 - SAP SE
- Ismaning:
 - Sana Kliniken AG

MIRACUM

CONSORTIUM PARTNERS

- Erlangen:
 - Friedrich Alexander University Erlangen-Nuremberg / University Hospital Erlangen
- Frankfurt am Main:
 - Goethe University Frankfurt / University Hospital Frankfurt
- Freiburg:
 - Medical Faculty of the University of Freiburg / Medical Center - University of Freiburg
 - Awerbis GmbH
- Giessen:
 - Justus Liebig University Giessen / University Hospital Giessen/Marburg
- Marburg:
 - THM University of Applied Sciences
- Magdeburg:
 - Otto von Guericke University Magdeburg / University Hospital Magdeburg
- Mainz:
 - University Medical Center of the Johannes Gutenberg University
- Mainz:
 - Medical Faculty Mannheim, Heidelberg University / University Medical Centre Mannheim
- Mannheim:
 - Mannheim University of Applied Sciences
- Marburg:
 - Philipps University Marburg / University Hospital Giessen / Marburg

SMITH

CONSORTIUM PARTNERS

- Aachen:
 - University Hospital RWTH Aachen/RWTH Aachen University
 - Berlin:
 - ID GmbH & Co. KGaA
 - Dortmund:
 - Fraunhofer Institute for Software and Systems Engineering ISST
 - Essen:
 - März Internetwork Services AG
 - Freiburg:
 - Awerbis GmbH
 - Jena:
 - University Hospital Jena
 - Friedrich Schiller University Jena
 - Jülich:
 - Forschungszentrum Jülich GmbH (Jülich Research Centre)
 - Leipzig:
 - Leipzig University / Leipzig University Medical Center
 - Walldorf:
 - SAP SE
 - Wuppertal:
 - Bayer AG
- NETWORK PARTNERS
- Halle (Saale):
 - Martin Luther University Halle-Wittenberg / University Hospital Halle (Saale)

NATIONAL STEERING COMMITTEE - COORDINATION OFFICE

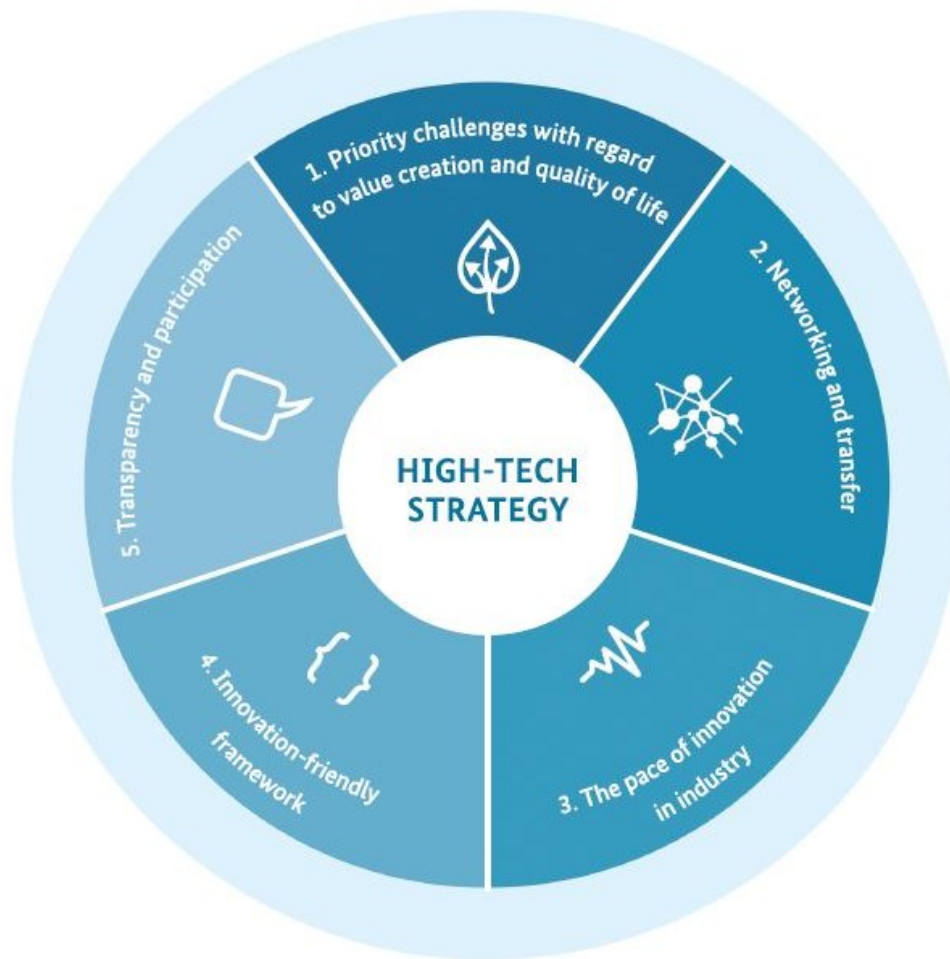
- Berlin:
 - TMF / MFT / VUD



www.medizininformatik-initiative.de/en (in English)



2. Use different tools, not only a hammer.





Research Campus Initiative

- Testing a new form of research cooperation at nine sites in Germany with three features:
- **Proximity** – the pooling of research activities and competences on a single site “under one roof”.
- **The medium to long-term focus** on a specific research topic.
- **A binding public-private partnership** with agreements on cooperation and on dealing with intellectual property.

www.forschungscampus.bmbf.de (English)





Example: Campus InfectoGnostics in Jena



Co-founding Institutions:

- Friedrich Schiller University of Jena
- Jena University Hospital
- Ernst Abbe University of Applied Science at Jena
- Leibniz Institute of Photonic Technology
- Leibniz Institute for Natural Product Research and Infection Biology
- Analytik Jena AG
- Alere Technologies GmbH



3. Try taking a global approach

BMBF funding program “Bioeconomy International” supports model international research and development projects between German and international partners.

- Yearly based calls since 2013
- Bilateral module BMBF/MON 2016: 8 Russian-German projects have been selected.
- Current call opened in December 2017, Deadline: April 2018
- More information (in English):
www.bioeconomy-international.de





German-Russian Roadmap

- A new strategic framework for the bilateral cooperation in education, science, research and innovation.
- In negotiation between BMBF and MON
- A joint effort by all German and Russian stakeholders including the Ministries, non-university research organizations, funding organizations, intermediary organizations, universities, associations of universities, Academies, and business organizations
- Signing by Summer 2018
- Life Sciences will become, amongs others, most likely part of this roadmap.



Keys to successful innovation partnerships:

- Find common ground, create a shared model/vision
- Use broad set of instruments, not only a hammer
- Build strategic alliances with partners, if possible “under one roof”
- Try taking a global approach