

National Perspectives: Leibniz Association

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Leibniz at a Glance

- 93 medium-sized research institutes (2017)
- Ca. 20,000 employees; 10,000 scientists
- 18 institutes of research infrastructures (information libraries, data archives, etc.)
- 8 research museums (natural history, archaeology, history, technology)
- DKK members: IfW, IOW, PIK, TROPOS



Gottfried Wilhelm Leibniz

Research Areas

Section A

Humanities and Educational Research

Section B

Economics and Social Sciences

Section C

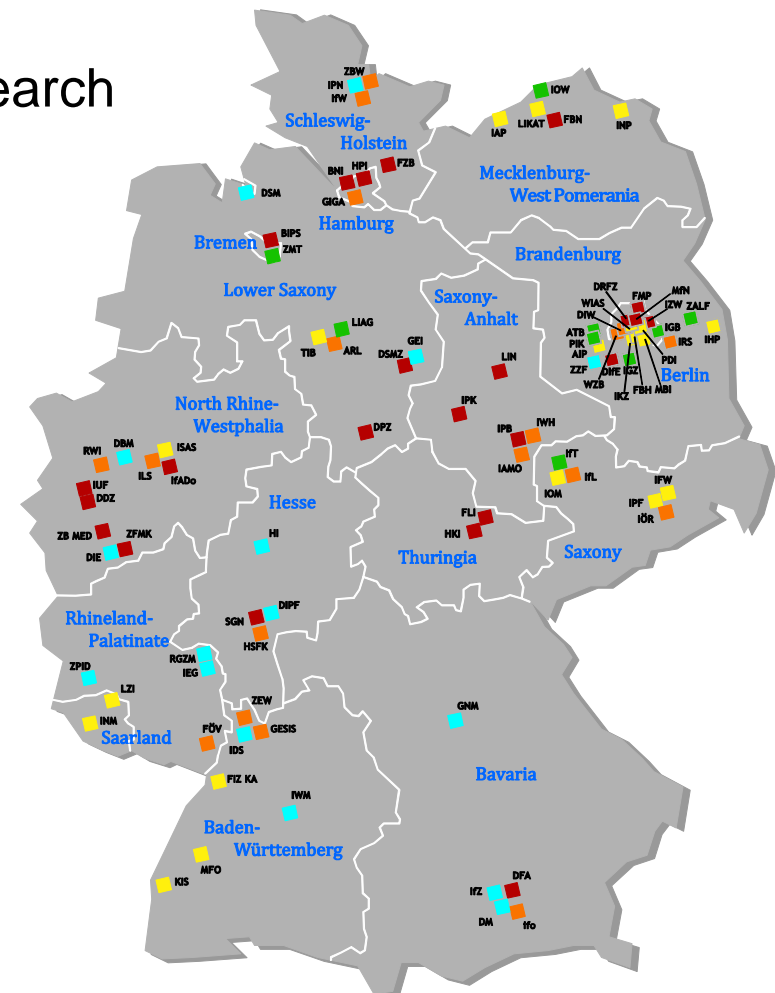
Life Sciences

Section D

Mathematics, Natural Sciences
and Engineering

Section E

Environmental Research



Specifics of Leibniz Institutes

- Basic and applied research
- Scientific excellence ensured by regular rigorous evaluation process
- **Interdisciplinary research:** Across and within institutes
- Mostly close **connections to universities**
- Research **infrastructures** and **services**
- Knowledge and technology **transfer**, policy advice
- Collaborative **network** structures within the Leibniz Association:
 - *Leibniz Research Alliances*
 - *Leibniz Networks*

Leibniz Network for Integrated Earth System Research

- Established 2018
- Speaker: V. Mosbrugger, Senckenberg (SGN), Frankfurt
Deputy speakers; I. Bräuer, PIK Potsdam; R. Delzeit, IfW, Kiel
- Members: ca. 20 institutes, covering research areas including atmospheric and marine sciences, climate impact research, geophysics, plant research, biodiversity, ecology, agriculture and food science, economy, geography, regional development, social sciences

Leibniz Network for Integrated Earth System Research

Next steps:

- Organising workshops (starting 2019) on key topics, such as:
 - Theoretical and methodological basics
 - Sustainable urban-rural systems
 - Biodiversity
 - Bioeconomics
 - Environmental refugees
- Starting point for further collaborative projects

Leibniz Network for Integrated Earth System Research

- Understanding of Integrated Earth System Research:
 - Study interactions of society (e.g. via economy, innovations, urban and rural developments ...) with the physical, chemical and biological components of the climate system
 - Understanding the Earth System including the Anthroposphere at global, regional and local scales
- Leibniz Association is well suited for Integrated Earth System studies:
 - Relevant expertise in member institutes
 - Significant experience in interdisciplinary and transdisciplinary research, which is a prerequisite for integrated research
 - Transfer of science results to society