

BACKGROUND

■ Important issues of the future, such as climate change, demographic change, globalisation, digitalisation and social inequality, affect the every-day lives of citizens and impact spatial structures and developments. How do rural and urban areas change, and how can these transformation processes be analysed and accompanied scientifically? To cope with these challenges, additional knowledge of the following areas is required:

- Emergence of problems
- Desirable solutions
- Ways of implementation

This entails enhancing awareness for sustainable development and responsible care in developed and developing countries. Differentiated strategies with a more regional and local focus are needed to match knowledge generated in various disciplines with socially relevant questions of spatial development. Furthermore, it is necessary to develop new means of transferring scientific knowledge to users outside academia as well as incorporating their practical knowledge into ongoing research.



MISSION

■ Through our research activities we aim to answer questions of rural and urban spatial transformation lying at the frontier of engineering, natural sciences, social sciences, and the humanities. We intend to:

- Develop new system, target and transformation knowledge for sustainable spatial transformation of urban and rural areas
- Further develop inter- and transdisciplinary methods
- Expand the network of research partners and partners outside academia
- Concentrate spatial and transformation research competences at the Leibniz Universität Hannover
- Provide academic support for urban and rural transformation processes

RESEARCH

■ The Centre's research is organised in clusters. These clusters are dedicated to a particular subject area or cover cross-sectional topics such as "Theory of a Spatial Transformation" and "Knowledge Transfer".



TOPICS

■ The following topics are being researched in the clusters.

- Spatial structures and development through different scales
- Interdependencies between societal transformations and the environment (e.g. climate change, use of resources)
- Spatial consequences of globalisation in developing and emerging market countries
- Demographic change and safeguarding basic care
- New modes of governance and public participation
- Knowledge transfer
- Development of theoretical approaches to processes of spatial transformation
- Decision support for policymakers and stakeholders when implementing approaches to transformation



ACTIVITIES

■ The following activities are conducted in accordance with the research topics.

- Conferences, symposia, and workshops on issues of spatial transformation
- Joint development of inter- and transdisciplinary research projects
- Development of a research network on spatial transformation
- Interdisciplinary training of postgraduate students and postdoctoral fellows
- Public lecture series »TRUST Lectures on Spatial Transformation«

PRINCIPAL INSTITUTIONS

FACULTY OF ARCHITECTURE AND LANDSCAPE SCIENCES

- Institute of Environmental Planning
- Institute of Urban Design and Planning
- Institute of Architectural History and Theory
- Institute of Open Space Planning and Design
- Institute of Landscape Architecture

FACULTY OF CIVIL ENGINEERING AND GEODETIC SCIENCE

- Institute of Hydrology and Water Resources Management
- Institute for Sanitary Engineering and Waste Management
- Institute of Cartography and Geoinformatics
- Geodetic Institute

FACULTY OF LAW

- Institute of International Law

FACULTY OF NATURAL SCIENCES

- Institute of Economic and Human Geography
- Institute of Natural Sciences Education
- Institute of Geobotany
- Institute of Physical Geography and Landscape Ecology

FACULTY OF HUMANITIES

- Institute of Sociology
- History Department
- Institute of Political Sciences
- Institute of Educational Psychology

FACULTY OF ECONOMICS AND MANAGEMENT

- Institute of Environmental Economics and World Trade



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TRUST Transdisciplinary Rural and
Urban Spatial Transformation



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THE LEIBNIZ RESEARCH CENTRE TRUST

TRANSDISCIPLINARY RURAL AND URBAN SPATIAL TRANSFORMATION

