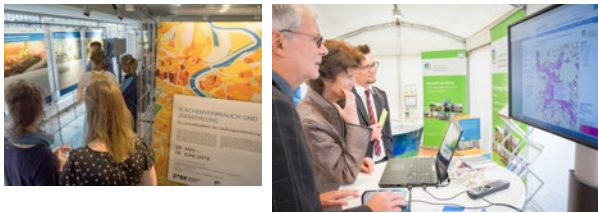


Transfer and Networking

Based on its research, the IOER provides policy advice and supports society with a view to achieving overarching sustainability, environmental as well as spatial development goals. Accordingly, the institute is involved in scientific networks and alliances worldwide as well as in the national context, especially in the *Leibniz Association* and the regional science alliance *DRESDEN-concept*.

In addition, the IOER engages in a lively and reciprocal exchange with numerous actors from politics, planning and civil society through various channels and formats.



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Leibniz Institute of Ecological Urban and Regional Development

We research for the
sustainable transformation
of neighbourhoods, cities, and regions

In 2021, the IOER was awarded the "Total E-Quality" certificate (in German) for equal opportunities in business and science for the fourth time in a row – and again with the additional certificate "Diversity."



About the Institute

The Leibniz Institute of Ecological Urban and Regional Development (IOER) develops scientific principles, analytical tools and instruments for the sustainable development and transformation of regions, cities and neighbourhoods.

To this end, it conducts cross-scale research into the interactions and feedbacks between the natural environment, people and technologies, as well as options for stewardship and planning.

With its research, the IOER aims to initiate, accelerate and implement deep and comprehensive change. It contributes to bringing the development of landscapes and settlement areas into harmony with the natural foundations of life and to minimising environmental risks so that people can thrive within ecological boundaries.

Researchers from the spatial, environmental, social, economic, legal and engineering sciences work together at the IOER. Public, private and civil society actors are involved in the research process from the very beginning in order to jointly strengthen the capacity for adaptation and change transformation in different spatial contexts.

The work of the IOER is financed from federal funds, from tax revenue on the basis of the budget passed by the Saxon State Parliament, and from third-party funds.

Research Areas



The Research Area **Transformative Capacities** investigates transformative change linked to neighbourhoods, cities, and regions with a view to understanding preconditions and pathways for this change as well as sustainability impacts.



The Research Area **Landscape, Ecosystems and Biodiversity** deals with the analysis and evaluation of processes of landscape transformation. It develops strategies, concepts, instruments and incentives for the orientation and navigation of these processes.



The Research Area **Built Environment – Resources and Environmental Risks** investigates sustainability issues related to the use, development and materiality of the built environment and its spatial contexts as well as interactions with the environment.



The Research Area **Spatial Information and Modelling** develops and uses data-intensive and data-integrating approaches to describe, interpret and evaluate trends in settlement and open space development.

The **Knowledge Integration Hub** of the IOER helps generate theoretical and methodological foundations for a better understanding and co-shaping of spatial sustainability transformations.

Research Data Infrastructure



The **IOER Data Research Centre (IOER DRC)** prepares complex spatial data and develops analyses, modelling as well as data infrastructures and tools for cross-scale data interpretation. It thus works at the interface between research and practice.

www.ioer-fdz.de/en

Graduate School



The **Dresden Leibniz Graduate School (DLGS)** offers excellent young researchers structured support in the spatial sustainability sciences. It is run by the IOER in cooperation with the *TU Dresden*.

www.dlgs-dresden.de

Real World Laboratory



With the **Interdisciplinary Centre for Transformative Urban Regeneration (IZS)**, the IOER operates a branch office and permanent real laboratory at the Görlitz site together with the *International Institute (IHI) Zittau* of *TU Dresden* as well as in close cooperation with the City of Görlitz.

izs-goerlitz.ioer.de/en