



Media Release

Dresden,
17 June 2025

Data for the sustainable transformation of cities and regions – IOER launches research data repository

The Leibniz Institute of Ecological Urban and Regional Development (IOER) is launching its research data repository “ioerDATA” with the publication of the first research datasets. This enables the IOER to provide easy access to a selection of its research results. The service makes an important contribution to the sustainable transformation of cities and regions. Once generated, the data can be used by various stakeholders from science and practice for their work, for example in urban and regional planning or in the sustainability sciences.

In order to achieve a sustainable transformation of cities and regions, specific knowledge is required. This also includes high-resolution and well-documented geodata and object data, for example on land consumption, urban greenery or the building stock in Germany.

Many such datasets are generated in the work of the Leibniz Institute of Ecological Urban and Regional Development (IOER), which conducts research for the sustainable development and transformation of neighbourhoods, cities and regions. In its recently launched research data repository “ioerDATA”, the institute also makes these datasets available to other users. Unlike usual, the research data is not only of interest to other researchers and their scientific work. They can also serve as a relevant working basis in practice, for example in urban development, regional and landscape planning, in administrations, in politics or for journalistic research.

The repository “ioerDATA” is curated and managed by IOER's Research Data Centre, the IOER RDC. With the repository, the IOER is helping to ensure that its research data is easily accessible and reusable. Each dataset is given a DOI and can therefore be found in the long term. In addition, each dataset is provided with descriptive metadata and documentation. This makes it clear how the data was generated and how IOER researchers have already used it for analyses.

“Our repository specialises in spatial data. It allows simplified access to the data and links it with other databases, for example for spatial or socio-economic research. This allows decisions in practice to be substantiated and new research questions to be answered, which further increases the value of data already in use,” explains Maria Nieswand, who has headed the IOER RDC since August 2024.

Contact

Heike Hensel
Media and Public Relations

E-Mail: H.Hensel@ioer.de
Phone +49 351 4679-241

Leibniz Institute of
Ecological Urban and
Regional Development
Weberplatz 1
01217 Dresden | Germany



DRESDEN
concept

“With ‘ioerDATA’, we are contributing to greater transparency and trust in research, as the datasets undergo an additional quality assurance process before they are published. Last but not least, the intensive work that researchers put into providing high-quality data will also become more visible in the repository - an achievement that often receives too little recognition,” says Maria Nieswand.

By providing its research data in “ioerDATA”, the IOER supports the open science approach and implements the FAIR principles. FAIR means that data is findable, accessible, interoperable and reusable. The datasets in “ioerDATA” can be downloaded and used free of charge. The only requirement is that users register and create an account first. After registration, access to the research data is usually easy via an interface (API), provided there are no usage restrictions, for example due to licence terms.

Link to research data repository “ioerDATA”:

<https://data.fdz.ioer.de/>

Link to the IOER Research Data Centre (IOER RDC):

<https://ioer-fdz.de/en/>

Scientific contact at the IOER

Dr Maria Nieswand, e-mail: fdz@ioer.de

The Leibniz Institute of Ecological Urban and Regional Development (IOER) is a non-university research centre and a member of the Leibniz Association. The IOER develops scientific principles, analytical tools and instruments for the sustainable development and transformation of neighbourhoods, cities and regions. 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.

[\[https://www.ioer.de/en/\]](https://www.ioer.de/en/)