



The Leibniz Institute of Ecological Urban and Regional Development (IOER) in Dresden is looking forward to fulfil the following position to be filled from 01/09/2023

Researcher in planning and spatial development (w/m/d)
Form Follows Policy – Tracing the effects of sustainable land policies on urban form
TV-L E 13, 80 % (32 Wochenstunden),
limited to three years

The Leibniz Institute of Ecological Urban and Regional Development is a non-university research institute in the field of the spatial sciences and a member of the Leibniz- Association. Our subject is the sustainable development and transformation of cities and regions in the context of the global human-ecological crisis. The built environment is of particular importance as a major source of resource consumption and climate emissions.

Background

Sustainable urban development is highly required. Many policies in Europe address this need and propose respective regulations and measures, but how do they effect the way we built our cities? The German-French DFG-project Form-Follows-Policy aims at this complex causal relation between physical urban form and land policies. To give answers, an innovative approach combines data-driven spatial analysis and a neo-institutional perspective on practices of land policy and applies it to a cross-border study (Upper Rhine Valley). Applying approaches of geospatial techniques and urban analytics, patterns of urban form and their change over time are analysed. These spatial patterns are contrasted with respective practices of land policy in municipal and regional planning in France and Germany (Project Number DFG 512639122).

You will conduct a comparative, interdisciplinary analysis, making use of (quantitative) geospatial analysis and (qualitative) methods from social sciences. Urban form analysis is performed through morphological settlement analysis and classification approaches at different levels of scale (from settlement bodies to buildings) using French and German geospatial data products. Through case study analysis, you will identify relevant land policies through planning documents, planning regulation on different administrative levels from municipal to state and conduct interviews with planners and developers to indentify practices. On this empirical basis, you will develop and test hypotheses to conclude on the relationship between urban form and land policies.

As part of the IOER Research Area of Spatial Information and Modelling you will work in a motivated team of spatial data scientists, cartographers, geographers and urban planners in Dresden, but have close cooperations with the co-investigator at Technical University Dortmund and co-operation partners at Université de Strasbourg and Universté Gustave Eiffel/IGN, Paris. The empircial work will be supported by students assistants.



Expected Competences

- strong interest in interdisciplinary work integrating quantitative and qualitative approaches in spatial science
- strong interest in spatial analysis, spatial planning and sustainable urban development
- profound skills in geospatial processing environments (e.g. using QGIS, ArcGIS, Geopandas) and software for statistical analysis (e.g. using R or similar) as well as in spatial visualisation
- profound experiences in qualitative methods of social sciences (e.g. interviews and content analysis)
- very good French and English language skills for the empirical work and publishing, German is appreciated
- University degree (Master, Diploma) in a relevant discipline, e.g. spatial planning, spatial development or geoinformatics
- Interest in pursuing a doctorate as part of your career.
- strong ability to work in a team and interdisciplinary competence

We actively support researchers through qualification and career development measures, including continuous mentoring, as well as further training opportunities, e.g. in scientific methods and publications.

We offer

- Collaboration in a highly motivated, interdisciplinary team in a leading research institute of the Leibniz Association
- flat hierarchies and opportunities for participation
- creative and motivating working environment
- lively social culture and diversity
- openness and trusting cooperation
- family justice and flexible working time models
- equal opportunities (multiple Total-E-Quality certification)
- career planning and further education opportunities
- sustainability management
- job ticket/Deutschlandticket
- additional protection through a company pension scheme (VBL)

The place of work is Dresden (Germany).

The IOER promotes professional equality between women and men as well as diversity, and is particularly committed to promote family life and professional career. Women are encouraged to apply. Applications are welcome from people with recognized disabilities.

Please send your application (letter of motivation, curriculum vitae, diplomas, certificates of employment or references) in the form of a single PDF file as an e-mail attachment, stating the subject **"FFP"** by **17.08.2023** to jobs@ioer.de.

