The Leibniz Institute of Ecological Urban and Regional Development e.V. in Dresden advertises the following positions at the earliest possible date:

**1 Postdoc Research Associates – Sustainable and Ecological Development of Cities and Regions**

TV-L E-13 (40 hours per week; fixed-term work contract for two years; with a possibility of extension by another year) in the field “Monitoring of Settlement and Open Space Development (FB M)”

**Requested fields of research**
- Empirical analysis, evaluation, and modelling of settlement development (Empirische Analysen, Bewertungen und Prognosen der Siedlungsentwicklung)
- Erhebung, Analyse, Prozessierung und Visualisierung räumzeitlicher Informationen (Data acquisition, Analysis, processing and visualization of spatio-temporal information)
- Cutting edge methods, and ideas in geospatial modeling, complexity, visualization and computation

**Expected experiences/knowledge**
- GIScience, geoinformatics, geovisualisation/-simulation/-computation
- Advanced spatial analysis and visualisation e.g. spatio-temporal modelling and monitoring and simulation, agent-based modeling, cellular automata, Data quality issues, data fusion
- Applications in urban studies, geodemographics and accuracy and uncertainty of geocomputational models

**Potential disciplines**
- Geographical Information Science, Urban and Regional Science, Mathematics, Informatics, Physics (Geoinformatik, Geomatik, Geoinformatik, Geodäsie, Kartographie, Informatik, Geographie, Physik)

**Expected skills and competences**

For the postdoc positions, we expect candidates with a high-quality doctoral degree (summa / magna cum laude or equivalent) completed not longer than 3 years ago. Candidates have a successful publication history, in particular in refereed journals, as well as international research experience. We appreciate good contacts in international research networks and experiences in the acquisition of third-party funding. The ability to work individually on own initiative as a part of a team, good presentation skills and excellent English language skills are essential.

For the PhD position, we expect applicants with a master degree (or equivalent) and a written thesis with a very good result, and knowledge or experience in issues of European spatial development.

Women are particularly invited to submit their applications. Applications of disabled persons with a comparable qualification will be considered as priority.

**The Institute**

The Leibniz Institute of Ecological Urban and Regional Development (IOER) is a member of the Leibniz Association and with 120 employees one of the largest spatial development research
institutes in Germany. It carries out interdisciplinary research into issues of sustainable spatial development from an ecological perspective across all spatial scales. This involves the comprehensive analysis of current trends and dynamics, the assessment of impacts, and the investigation of responses in terms of societal behavior and policy. The IOER addresses a wide array of questions of regional, urban and landscape development, as well as planning. Of central importance to its research work is the review and further development of the policies, strategies, instruments, methods and tools needed for policy implementation.

Please submit your complete application documents (cover letter, motivation letter [2 pages maximum], curriculum vitae with list of publications and project history, copies of diplomas, certificates or references from employers) in German or English using the keyword "Postdocs" and the respective research area FBM to the following address till 14th August 2015:

Leibniz-Institut für ökologische Raumentwicklung e.V.,
Personalbüro
Kennwort: Postdoc FBM
Weberplatz 1
01217 Dresden (Germany)

or per email to:
 a.wendebaur@ioer.de
 Contact person: Dr. Andrea Wendebaur (Head of Personnel)