

Expression of Interest for hosting Marie Skłodowska-Curie Postdoctoral Fellowships in Germany

Institutions interested in hosting postdoctoral fellows within the Marie Skłodowska-Curie Postdoctoral Fellowships programme should use this template. Host institutions should be located in Germany.

1. Valid for the following MSCA-PF Call¹:

Please tick:

2023

2024

2. Interested host institution:

Leibniz Institute of Ecological Urban and Regional Development (IOER), Dresden, Germany

3. Institute/Department:

Leibniz Institute of Ecological Urban and Regional Development (IOER)

Weberplatz 1

01217 Dresden

Website (Hyperlink): <https://www.ioer.de/en>

4. Contact person (name and e-mail address):

Carolin Evers (c.evers@ioer.de)

5. Project idea/position (scientific requirements, topic, discipline):

Rough outline of idea/position:

Interdisciplinary projects (spatial sciences, sustainability sciences)

Please tick:

Life Sciences

Natural Sciences

Engineering Sciences

Social Sciences and Humanities

¹ MSCA Postdoctoral Fellowships are selected on the basis of annual calls for proposals. Forthcoming and open calls for proposals can be found on the [Funding & tender opportunities Portal](#) of the European Commission.

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The Leibniz Institute of Ecological Urban and Regional Development (IOER) is a non-university research centre and a member of the Leibniz Association.

We contribute to a spatial development that enables humanity to thrive within ecological boundaries while ensuring planetary justice. Given the severity of the present global social-ecological crisis, our work aims to accelerate and achieve deep and encompassing transformations that shape sustainable and resilient regions, cities and neighbourhoods. As a leading centre for advanced spatial sustainability science we develop cross-scale spatial information, analysis tools and knowledge, as well as policy- and planning instruments that enhance adaptive and transformative capacities in territories and places. To that effect we strive to elucidate the internal and external sustainability orientations of individuals, organizations and society, as well as their embeddedness in socio-ecological-technological spatial configurations.

Interested MSCA applicants should map their project ideas against the four Research Areas of the Institute in order to identify which type of expertise they want to integrate. Projects should then be designed to fully align with the IOER Mission Statement (<https://www.ioer.de/en/institute/ioer-leitbild>). They can be developed within or across Research Areas, but always incorporate a spatial perspective:

Research Area Transformative Capacities

In this research area, we investigate transformative change linked to neighbourhoods, cities and regions with a view to understanding its preconditions, pathways and sustainability impacts. We build on insights regarding patterns and dynamics of socio-technical, social-ecological and socio-institutional transformations, spatial development and urban/regional economic change.

In the Interdisciplinary Centre for Transformative Urban Regeneration we deepen specific aspects of transformative change in small and medium-sized towns in peripheral locations as well as in regions affected by structural change.

Research Area Landscape, Ecosystems and Biodiversity

The Research Area focuses on the analysis and evaluation of processes of landscape transformation. We develop strategies, concepts, (legal) instruments and incentives for the orientation and navigation of these processes. This also entails the investigation of the role of landscapes in the context of societal transformations.

Research Area Built Environment - Resources and Environmental Risks

The research area investigates sustainability issues related to the use, development and the materiality of the built environment, as well as spatial relationships with the natural environment. We understand the built environment as part of complex socio-ecological-technical systems, which physically includes buildings, infrastructures and open spaces shaped by humans.

Research Area Spatial Information and Modelling

The research area develops and uses data-intensive and data-integrating approaches to describe, interpret and evaluate trends in settlement and open space development at different spatial levels and at high resolution. To this end, we focus on innovative research fields such as Spatial Data Science and Geospatial Artificial Intelligence (GeoAI). In cooperation with different stakeholders, we generate socially robust

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knowledge and provide transformative decision support. We use co-design approaches to develop digital tools and generate alternative future scenarios of spatial developments.