Leibniz Institute of Ecological Urban and Regional Development

Press Release

Dresden, Haifa/Israel
21 June 2021

International Land Use Symposium ILUS 2021: Call for abstracts open

Under the umbrella "Modelling An Uncertain Future: Spatial Data Science For Sustainable Land Use", an international symposium on 23 and 24 November in Haifa/Israel will address current developments in the analysis, modelling, simulation and visualisation of spatial (big) data. In order to cope with the emerging challenges of sustainable development and disruptive local and global events, including the COVID-19 pandemic it is of particular importance to advance the understanding of land use and land cover dynamics. This is what the conference, which the IOER is co-organising, will be about. Contributions for ILUS 2021 can be submitted until 15 August.

The International Land Use Symposium (ILUS 2021) is dedicated to interdisciplinary concepts on how current developments in spatial data science can contribute to sustainable land use and better support planning as well as urban and regional development. To this end, the symposium covers four major topics: Post-COVID City: How to Improve Emergency Preparedness?; The Economics of Land Use: Sustainability versus free markets; Land-Use Governance: Role of planning for sustainable land use?; Climate Change and Land-Use Dynamics: What will happen in the next decades?.

The symposium will be opened with contributions of renowned international scientists in the area of spatial data science and planning. Keynote speakers will be announced soon. The symposium is co-organized by German and Israeli research institutions: the Leibniz Institute of Ecological Urban and Regional Development (IOER), Dresden, the Faculty of Architecture and Town Planning of Technion – Israel Institute of Technology, Haifa, and the Geosimulation and Spatial Analysis Laboratory of Tel-Aviv University.

22 November 2021: Workshop on Geosimulation of urban transformations and land use

On 22 November the pre-symposium workshop "Geosimulation of urban transformations and land use" will take place. The aim of the workshop is to address the following three aspects: State of the art geosimulation tools and methodologies; Emerging new big data sources for geosimulation; Application of these tools and data for urban and regional transformations and sustainable land use.

About ILUS

The biennial International Land Use Symposium brings together leading academics and interested attendees for presentation, discussion, and collaborative networking in the fields of GIScience, environmental studies, geography, cartography, spatial planning and architecture. Objectives of the interdisciplinary symposium are to advance the understanding of Land Use/Land Cover dynamics and

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DRESDEN concept

to develop new ideas for the sustainable use of the precious resource soil. Main organizer is the Leibniz Institute of Ecological Urban and Regional Development (IOER).

International Land Use Symposium // ILUS 2019

Topic: Modelling an uncertain future: spatial data science for sustainable land use

Date: 23–24 November 2021 (22 November: pre-symposium workshop)

Venue: Technion – Israel Institute of Technology | Faculty of Architecture and Town Planning | Technion City, Haifa | Israel

Further information and submission of abstracts: http://ilus2021.ioer.info/

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The Leibniz Institute of Ecological Urban and Regional Development (IOER) is a non-university research center in the field of spatial sciences, and a member of the Leibniz Association. Its subject is the sustainable development and transformation of cities and regions in the context of the global human-ecological crisis. **[www.ioer.de/1/]**