

Curriculum Vitae

Prof. Dr.-Ing. habil. Jörn Birkmann

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Professional Experience

Since Oct 2014 University of Stuttgart	Head of the Institute of Spatial and Regional Planning, full professor and chair of Spatial Development and Environmental Research (W3 with leadership function)
Oct 2012 – Apr 2013 Ludwig Maximilian University of Munich	Temporary professorship at the Ludwig Maximilian University, Department of Geography, professor for Human Geography with a special focus on sustainable development
Jan 2007 – Sept 2014 United Nations University	Head of the Vulnerability Assessment, Risk Management and Adaptive Planning Section , Institute for Environment and Human Security (UNU-EHS)
Sept 2004 – Jan 2007 United Nations University	Scientific Advisor , Institute for Environment and Human Security (UNU-EHS)
Jan 1999 – Aug 2004 TU Dortmund	Researcher and Senior Lecturer at the Faculty of Spatial Planning

Study Record

2010 University of Bonn	Associate Professor , Department of Geography, Mathematical-Natural Science Faculty
2009 University of Bonn	Habilitation (postdoctoral lecture qualification), Mathematical-Natural Science Faculty, for the field of Geography
July 2003 TU Dortmund	PhD Dr.-Ing. engineering research doctorate earned with the appraisal 'Outstanding', Faculty of Spatial Planning
1993 – 1998 TU Dortmund	Studies of Spatial Planning; Master's Degree (Diploma): grade 1.2

Honors/Awards

2022 Call to University of Vienna	Call to the chair "Spatial Research and Spatial Planning" at the University of Vienna - rejected
Since 2022 Member	Scientific Advisory Board on Spatial Development of the Federal Ministry for Housing, Urban Development and Building
2019 – 2022 Coordinating Lead Author	Intergovernmental Panel on Climate Change (IPCC) Sixth Assessment Report (AR6)
2019 – 2022 Member	German Committee Future Earth
2013 - 2020 Member	Committee of the IRDR Integrated Research on Disaster Risk
2011 - 2014 Member	IOC/UNESCO Expert Group "Coastal Hazards"
2009 - 2014 Lead Author	Intergovernmental Panel on Climate Change, (IPCC) , Working Group II, Fifth Assessment Report (AR5)
Since 2009 Full Member	Academy for Territorial Development in the Leibniz Association
2008 – 2009 Member	Expert Group of the World Meteorological Organization "Flood Risk Mapping"
2004 Award	' Doctoral Dissertation Award 2004 ' conferred by the University of Dortmund

Selected Research Projects

In the last three years, the average amount of third-party funding raised per year was around 2 million euros.

2022 – 2026 Ministry of Regional Development and Housing Baden-Wuerttemberg Lead	Spatial Analysis: Development of a Spatial Monitoring in the Context of the New Drafting of the State Development Plan for Baden-Wuerttemberg [Lead: Prof. Birkmann, Budget: 1.3 Mio. €, Budget Birkmann 699.595€]
2022 –2026 German Agency for International Cooperation/GIZ	Urban-Act: Strategies and models for integrated urban climate action for low-carbon and resilient cities (USTUTT-Urban Act) [Budget 806.000€; Budget Birkmann 408.485€]
2021 –2024 BMBF Lead	KAHR: Scientific monitoring of the reconstruction processes after the flood disaster in Rhineland-Palatinate and North Rhine-Westphalia: Impulses for resilience and climate adaptation [Lead Prof. Birkmann; Budget 5.2 Mio. €; Budget Birkmann 728.000€] https://www.hochwasser-kahr.de
2021 –2023 BMBF Lead	RESI-extrem II: Resilience building after extreme events: lessons learned and new approaches in dealing with spatially ubiquitous extreme events – case studies Schwaebisch Gmuend and Olfen [Lead: Prof. Birkmann; Budget 790.212€; Budget Birkmann 254.381€]

<p>2021 –2025 BMBF</p>	<p>LIRLAP II: Research and development phase. Linking disaster risk governance and land-use planning: the case of informal settlements in hazard prone areas in The Philippines; [Lead Prof. Greiving; Budget 2.1 Mio. €; Budget Birkmann 485.000€]</p>
<p>2020 –2026 ERC Co-Lead</p>	<p>ERC-Synergy Grant: “urbisphere”. [4 PIs - Prof. Birkmann, Prof. S. Grimmond/University of Reading, England, Prof. N. Chrysoulakis/FORTH - Greece, Remote Sensing Lab and Prof. A. Christen/University of Freiburg; Budget 12.7 Mio. €; Budget Birkmann 2.5 Mio €;] https://cordis.europa.eu/project/id/855005/de</p>
<p>2020 –2023 BMBF Lead</p>	<p>ISAP: Integrative city-regional adaptation strategies in a growing polycentric region: case study – region of Stuttgart [Lead Prof. Birkmann; Budget 2 Mio. €; Budget Birkmann 647.000€]</p>
<p>2020 –2022 BMBF Lead</p>	<p>ZURES II: Application and implementation of future oriented climate- and vulnerability-scenarios in selected tools and planning processes – case study City of Ludwigsburg [Lead Prof. Birkmann; Budget 743.500€; Budget Birkmann 235.457€]</p>
<p>2019 –2020 Ministry of Rural Affairs and Consumer Protection Baden-Wuerttemberg (MLR) Lead</p>	<p>IREUS II Study: Development of rural areas in Baden-Wuerttemberg [Lead Prof. Birkmann/Prof. Siedentop (ILS); Budget 147.000€; Budget Birkmann 70.000€]</p>
<p>2018 –2020 BMBF</p>	<p>LIRLAP: Linking disaster risk governance and land-use planning: the case of informal settlements in hazard prone areas in The Philippines (LIRLAP) [Lead Prof. Greiving, Budget 670.000€; Budget Birkmann 150.826€]</p>
<p>2017 –2020 BMBF Lead</p>	<p>RESI-extrem: Resilience building after extreme events: lessons learned and new approaches in dealing with spatially ubiquitous extreme events – case studies Schwaebisch Gmuend and Olfen [Lead: Prof. Birkmann; Budget 1 Mio.€; Budget Birkmann 333.000€]</p>
<p>2016 –2019 BMBF Lead</p>	<p>ZURES: Future oriented climate- and vulnerability-scenarios as tools to promote resilience of cities – case study Bonn and Ludwigsburg [Lead: Prof. Birkmann, Budget 1.1 Mio.€; Budget Birkmann 263.728€]</p>
<p>2016 –2019 EC</p>	<p>STORM: Safeguarding Cultural Heritage through Technical and Organisational Resources Management) [Lead: Prof. Boj; Budget 7. Mio. €; Budget Birkmann 447.500€]</p>
<p>2014 –2017 EC</p>	<p>INTACT: Impact of Extreme Weather Events on Critical Infrastructures [Lead: Willems/TNO (The Netherlands Organisation for Applied Scientific Research); Budget 3.4 Mio. €, Budget Birkmann 242.000€* (*always EC Contribution only)]</p>
<p>2014 –2018 EC</p>	<p>PEARL: Preparing for Extreme And Rare events in coastal regions [Lead: Dr. Z. Vojinovic/UNESCO-IHE (IHE-Delft); Budget 6.5 Mio. €; Budget Birkmann 222.024€].</p>

A complete list of the projects can be found on the website of the Institute of Spatial and Regional Planning: <https://www.ireus.uni-stuttgart.de/en/Research/Projects/>

Service/Membership/Esteem

Co-Editor of scientific journals	Journal of Extreme Events https://www.worldscientific.com/page/joee/editorial-board
Editorial board member	International Journal of Disaster Risk Reduction https://www.journals.elsevier.com/international-journal-of-disaster-risk-reduction/editorial-board/jorn-birkmann
Since 2021 Member	Climate Innovation Council of the City of Stuttgart
Since 2020 Chairman	Scientific Advisory Board of the Leibniz Institute of Ecological Urban and Regional Development (IÖR) in Dresden
2012 – 2015 Member	National Platform “Zukunftsstadt” , Working Group “„klimaangepasste, resiliente und wandlungsfähige Stadt”
Since 2019 Member	Sustainability advisory board of the State Government of Baden-Wuerttemberg
2005 – 2011 Head	Expert Group of the Academy of Spatial Research and Planning (ARL) on “Climate Change and Spatial Development”
2006 – 2010 Member	Expert-Group of the Academy of Spatial Research and Planning (ARL) “Risk Management as a Key Area for Spatial Planning”

Impact

ERC-Synergy Grant	The ERC-Synergy grant “urbisphere” shows the excellence of research and takes into account an additional aspect – the outstanding intrinsic synergetic effect of scientific cooperation between very different disciplines.
Vulnerability Concepts	Vulnerability assessment concepts and frameworks are integrated into international guidelines, for example for coastal zone management.
Science Communication	Important findings of Prof. Birkmann’s research have been taken up in the national and international media, for example in the New York Times, The Guardian or the Tagesspiegel (print media) and in television and radio, for example the second German Channel (ZDF) or science TV- like Odysso (e.g. minute 28); available: https://www.ardmediathek.de/video/odysso-wissen-im-swr/ein-jahr-danach-welche-lehren-ziehen-wir-aus-der-ahrtaflut/swr/Y3JpZDovL3N3ci5kZS9hZXgvbzE2ODg3Njk or e.g. SWR radio, available: https://www.swr.de/swr2/leben-und-gesellschaft/frust-nach-der-flut-was-wird-nun-aus-dem-ahrta-100.html

Research Fields / Research Foci

Spatial planning, climate change, vulnerability and risk	Analysis of present and future impacts of climate change on spatial development, spatial functions and human vulnerability. Examination of coupling processes between climate change, climate change adaptation and human security – particularly in urban regions. Evaluation of opportunities and constraints of present planning systems and tools in dealing with climatic changes and dynamics of human vulnerability and risk. New paradigms and planning tools, such as ‘adaptive spatial and urban governance’ or ‘transformative planning’.
Sustainable Spatial Development, Resilience and Adaptive Planning	Theories and concepts of sustainable spatial development, adaptation and resilience. Analysis of different theories and concepts and their applicability in spatial development research and formal spatial planning. Development of new tools and approaches for formal and informal planning processes to strengthen resilience building and adaptive planning (e.g. online information systems, scenario approaches). Evaluation of the benefits and constraints of city-regional cooperation in terms of adaptation to climate change and sustainable settlement and transport planning.
Indicators, Assessments and Evaluation Tools	Development of tools to assess and evaluate socio-economic trends and environmental change. Concepts and approaches for spatial monitoring systems – including evaluation tools. Quantitative and qualitative methods to assess adaptive capacities of people, economic sectors and institutions to deal with complex environmental, socio-economic and political changes. Enhancement of planning methods for integrated infrastructure and settlement development. Evaluation of urban upgrading and resettlement projects.
Coupled Social-Ecological Systems	Research regarding coupled social-ecological systems under pressure. Analysis of the impacts of extreme events and human interventions on coupled social-ecological systems, particularly in urban and peri-urban environments. Evaluation of respective feedback- und regulation-processes. Identification of emerging risks due to environmental and societal changes.