



The "Speakers' Corner" provides information regarding the progress of the research within the IP Urban Transformations. It informs about ongoing processes, decisions and events. Its content is the result of the close consultation of IP-Speaker, Manager and WP-Speakers. In the event of queries or requests for additional information please do not hesitate to contact us.

IP News

In order to advance the IP Urban Trans research with regard to POF IV towards "Urban Resilience" we conducted an UFZ-wide query. In February/March 2019 we asked all researchers at the UFZ to send us a short feedback if they have been/are working on the issues "resilience", "urban resilience" or "resilient cities". So far, **more than 30 researchers from all research units** have shown their interest. The mentioned projects and publications display a high diversity of disciplines and scientific interest related to resilience. **Christian Kuhlicke** and **Dieter Rink** (with support from Andreas Zehnsdorf and Christoph Schröter-Schlaack) will be coordinating the further process of exchange, including a related **lecture series and workshop(s)**. Further information will be disseminated via Telegraf and the IP Urban Trans mailing list.

resilience
/rɪˈzɪliəns/



The **Film** about our research within the IP Urban Transformations has been launched and is available on youtube in [English](#) and a [German language](#).

Urban Expo available in English: The virtual exhibition on urban transformations provides a compilation of results of diverse **completed** research projects at the UFZ. It will be continually updated, based on the IP member's support.



Free Online Webinars of the **German-US Network "Zukunftsstadt – Future City"**: The network facilitates the exchange of ideas as well as the access to expert knowledge and markets in Germany and the USA. Recordings are available for most of the so far 8 webinars, e.g. **Tamar Shapirs** webinar on "Assessing Transatlantic Exchange on Urban Revitalization", **Stephan Bartke** on "The Role of Stigma in Land Re-Use" and **Reimund Schwarze, Oleksandr Sushchenko** and Hannes Rassmann on "Global Warming: What can we learn from the COP24 meeting?"

Call for papers for Special Issue Sustainability "Urban Transformations Towards Sustainability" extended until **June 30th, 2019**: It will portray comprehensive inter- and transdisciplinary research on urban transformations towards sustainability and depict outstanding research in order to provide stakeholders with robust knowledge. Guest editor: Sigrun Kabisch.



WP 2 - Urban Land Use, Urban Ecosystem Services: After 9 years of work the long-term **Urban Forests** project was successfully completed with a conference in October 2018. The results were presented to the scientific community as well as representatives from other municipalities and are documented in a manual for planning practice. After two years, the EU funded project **EnRoute**, a science-policy project focusing on the role and benefits of green infrastructure in European cities, ended early 2019 with a Final Conference in Brussels in partnership with the European Committee of the Regions (CoR). This project consisted of 18 European city-labs, including the Leipzig city-lab with the UFZ and Leipzig City Council, Department Urban Green Areas and Watercourses. Within the BiodivERsA project **UrbanGaia**, a networking event took place, again with Department Urban Green Areas and Watercourses. Essential project results about the use of ESS in urban parks and brownfields in Leipzig were presented. **New project**: Funding is approved for the 4-year-EU project **REGREEN** which will be launched in September 2019 and includes collaboration with Chinese cities.



Lecture Series Children's Environmental Health in Urban Context: Since December 2018 up to now, we were very happy to welcome four international experts from the field of interdisciplinary health research in urban context. The lectures gave valuable insights into **inter- and transdisciplinary responses to urban health challenges** (Roderick Lawrence), the **early life exposome assessment** (Mark Nieuwenhuijsen), the **Time-Geographic Framework** as a systems approach by Martin Dijst and the empirical application of the **Urban Exposome Framework** by Konstantinos Makris. The lectures presented a variety of scientific perspectives and were followed by lively discussions. The lecture series as a joint activity between the **RU Environment and Society** and the **RU Chemicals in the Environment** is part of the preparations to apply for a Competence Center on Children's Health with focus on environmental context together with the Children's Hospital of the University of Leipzig.



© Max Ueberham



Upcoming events

Joint lecture on “**Developing and managing urban ecosystems – challenges and opportunities for childhood health**” on **April 10th 2019** from 1-3pm (KUBUS, Lecture hall 1A): For the 4th lecture within the series “Children’s Environmental Health in Urban Context”, we will welcome **Prof. Dr. Matilda van den Bosch** from the School of Population and Public Health at University of British Columbia (Canada) and **Dr. Nadja Kabisch** from the Institute of Geography at the Humboldt-University Berlin.



© Nadja Kabisch

© Univ. of Brit. Columbia

International Conferences



From November 25th -27th 2018, **Maximilian Ueberham** and **Juliane Schicketanz** attended the first Urban Transitions conference in Sitges, Barcelona, Spain. The conference focused on integrating urban and transport planning, environment and health for healthier urban living. Maximilian Ueberham presented his research on smart sensing of multiple environmental stressors and individual perception and Juliane Schicketanz discussed her and Miriam Brencks work on social factors affecting children’s health in urban areas. Both highly appreciated the feedback received and the constructive atmosphere.

Upcoming: Natalie Jean-Baptiste and Reimund Schwarze will participate at the **ECCA 2019** - 4th European Climate Change Adaptation conference "Working together to prepare for change" from May 28–31 2019 in Lisbon. Together with Chantal Pacteau (France), Mattia Leone (Italy) and Luc Abbadie (France), they organise the session "Climate Change and Cities: Second Assessment Report of the Urban Climate Change Research Network" oriented to disseminate the key messages from the Urban Climate Change Research Network’s Second Assessment Report on Climate Change in Cities (ARC3.2) and discuss potential pathways for their implementation. **Reimund Schwarze** will speak on "Financing Climate Change Solutions in Cities", while **Natalie Jean-Baptiste** will talk about "Housing and Low-Income Communities".



People

Sonja Knapp currently holds the visiting professorship "[Urban Ecosystem Science](#)" at Technische Universität Berlin, Institute for Ecology. Her position started November 1st 2018 and will run until September 30th 2019. As part of this professorship, she teaches courses on urban biodiversity and its conservation and gave lectures on urban ecosystem services, nature-based solutions and urban soils.

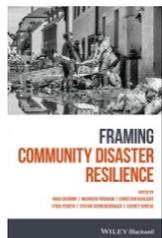


© UFZ

Conceptual Research on Urban Transformations

Since the start of our IP in 2014, IP members have continuously worked on the **conceptual framing** of urban transformations. Selected publications are presented in the following section. The full list of IP publications can be accessed on our [website](#).

Books and Brochures



Framing Community Disaster Resilience: Resources, Capacities, Learning, and Action (Edited by: Hugh Deeming, Maureen Fordham, Christian Kuhlicke, Lydia Pedoth, Stefan Schneiderbauer, Cheney Shreve) published by Wiley Blackwell in January 2019.

This book is about community resilience and tackles the question of how community resilience can be described, explained, assessed and strengthened within the context of natural hazard events and processes. The book can help to (re-)focus the lens of resilience applications on the essentials required for an in-depth understanding of underlying causes of harm and pressures aggravating successful resilience building.

Selection of Peer-reviewed Articles

New **UFZ-Discussion Paper** from the Department of Economics: Meyer, Peter B.; Schwarze, Reimund (2019): Financing Climate-Resilient Infrastructure: A Political-Economy Framework. UFZ-Discussion Paper 1/2019. [LINK](#)

Chen, X., de Vries, S., Assmuth, T., Dick, J., Hermans, T., Hertel, O., Jensen, A., Jones, L., Kabisch, S., Lanki, T., Lehmann, I., Maskell, L., Norton, L., Reis, S., (2019): Research challenges for cultural ecosystem services and public health in (peri-)urban environments. *Sci. Total Environ.* 651 (Part 2), 2118 – 2129. [LINK](#)

Hertel, D., Schlink, U., (2019): Decomposition of urban temperatures for targeted climate change adaptation, *Environ. Model. Softw.* 113, 20–28.

Hertel, D., Schlink, U., (2019): How to convert urban energy balance into contributions to urban excess temperatures?, *MethodsX* 6, 132–142.