

# Solutions for climate resilient cities

*Wednesday 6 March 2024 10:45 (2 hours)*

Cities are increasingly exposed to complex risks in the face of climate change. They also provide spaces of opportunities to build systemic solutions for achieving greenhouse gas neutrality targets while adapting to climate change impacts. How can co-creative processes between science and society accelerate climate action in cities, how can model- and data-driven approaches support systemic solutions, and what are effective strategies and legal frameworks for their implementation? In this session, we would like to share current research works on these topics and discuss how our findings can be integrated across disciplines to support climate resilient development in cities.

1. Data and model based tools for climate-resilient urban planning - the German Copernicus Lighthouse Project CoKLIMAx (Vanessa Reinhart, Tim Tewes, Jan-Albrecht Harrs, Verena Vögt, Diana Rechid)
2. Mapping urban adaptation: a global database derived from text-mining (Sruti Modekurty und Mariana de Brito, UFZ)
3. Climate resilience of street trees and its relation to tree species richness (Sonja Knapp, UFZ)
4. How relevant is resilient for you? Insights from municipal practices (Christian Kuhlicke, Janine Pößneck und Dieter Rink, UFZ)
5. How hydrological models can support cities to adapt to urban flooding –lessons learned from two transdisciplinary case studies (Markus Groth, Steffen Bender, Thea Wübbelmann, GERICS)
6. Blue-Green Infrastructures for Resilient Cities - Governance Challenges and Approaches (Moritz Reese, UFZ)

**Presenters:** RECHID, Diana (Hereon); SCHRÖTER-SCHLAAK, Christoph (UFZ); KUHLCHE, Christian (UFZ); HAN-SJÜRGENS, Bernd (UFZ)

**Session Classification:** Breakout Sessions