



## Special Session Proposal

### **Cities Under Pressure: Building Resilience and Adapting to Climate Challenges**

Daniel Centuriao, West Virginia University and Regional Research Institute,  
[dc00041@mix.wvu.edu](mailto:dc00041@mix.wvu.edu)

Mustahsin Ul Aziz, West Virginia University and Regional Research Institute,  
[ma00082@mix.wvu.edu](mailto:ma00082@mix.wvu.edu)

#### **Abstract**

Climate change poses existential risks to urban areas, where more than half of the global population resides and where the economic, social, and environmental impacts are most concentrated. Resilient cities are critical to mitigating these impacts and ensuring sustainable development. However, building resilience comes with challenges—balancing costs, addressing inequalities, and ensuring long-term adaptability.

Urban areas are at the forefront of the climate crisis, experiencing rising temperatures, extreme weather events, and sea-level rise. This session will explore innovative approaches to building urban resilience, emphasizing infrastructure, policy responses, and economic tools that cities can employ to adapt effectively to climate change. Contributions are encouraged on topics such as resilience planning, economic evaluations of climate adaptation policies, and technological innovations enhancing urban climate adaptation, climate resilience policy analysis, green cities, air cleaning and quality.

This session will provide a platform for scholars, practitioners, and policymakers to discuss evidence-based solutions, innovative approaches, and interdisciplinary strategies to foster resilient urban systems capable of withstanding climate stressors. The European Regional Science Conference provides an ideal venue to advance knowledge in this area, drawing attention to how cities can respond to climate change with actionable policies and economic tools. By facilitating dialogue across disciplines

and regions, this session aims to contribute to the global effort to build climate-resilient cities for future generations.