

CITY AND URBANIZATION SESSION

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Cities are places where the Earth's natural processes and societal life interact directly. Rapid and unplanned urbanization, growing resource demands, climate change, and disaster risks call for an approach to urban futures grounded in geoscientific knowledge. In line with the main theme of the 79th Geological Congress of Türkiye, "Geosciences in Addressing Global Challenges: Earth- Society-Future," this session aims to discuss how geosciences can contribute to the development of safe, resilient, livable, and sustainable cities.

The session will address the geological and geomorphological characteristics of urban areas, land suitability and land use, engineering geological and geotechnical assessments, microzonation, multi-hazard assessment and disaster risk reduction, urban regeneration, and post-disaster resettlement. Its scope also covers the conservation and sustainable use of water and other natural resources, underground space and urban infrastructure, the impacts of urbanization on the natural environment, and climate change adaptation.

A central focus will be integrating geoscientific data into spatial planning, local government practices, and decision-making. The session welcomes interdisciplinary research, practical case studies, and proposed solutions that connect scientific knowledge with societal needs and the public interest while safeguarding the living environments of future generations. We invite interested colleagues to contribute to the "Cities and Urbanization" session by submitting papers and participating.