

## Building Water Resilience to Achieve SDGs

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### Message from the Guest Editors

Water resilience represents a reliable water supply capability that can efficiently adapt and respond to change. Water resilience plays a pivotal role to achieving the 2030 Sustainable Development Goal (SDG) 6 for the benefit of all human beings. This challenge requires the community to address this key question: How can we build more water-resilient cities?

To achieve this goal, we need a series of innovative studies on water resilience concept, theory, modelling, assessment, enhancement, datasets, software, hardware, and strategy. For example, more scientific evidence about the tipping point to our water system should be analysed to optimise resilience theory. Unpredictable rainfall, flooding, droughts, manmade pollution, and other water-related shocks and stresses on cities should be quantitatively modelled. Governors and other stakeholders need to know how to accurately evaluate the resilience capability for each city or country. Also society needs to answer how to build a sustainable and resilient water system for the future. All these questions involve the integration of much knowledge and the intersection of multiple disciplines, though the centre remains water science.





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