

EGU2020-8963

<https://doi.org/10.5194/egusphere-egu2020-8963>

EGU General Assembly 2020

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Determination of the role and value of water for the sustainable development of Asian cities

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Water is a key element to the economic development and plays vital role in various activities including commercial, households, services, water-landscape, and water transport etc. A good water environment in cities has been achieved in developed countries (for e.g. Japan) through implementation of central wastewater treatment and sewerage systems. However, the development of sustainable water management and introducing a new sewage management method is challenging for the cities of developing nations in Asia in terms of having high capital, energy consumption and the technologies. This paper is evaluating the role and importance of sustainable development of water management methods and systems. Our findings suggest that the developed and developing countries must come forward and work together for the sustainable development of the cities in developing nations particularly by providing skills and efficient technologies for the improvement of water quality and wastewater treatment systems. For this, the progress of a systematic supported decision-making tool to allow investors and consumers to contribute to the development of sustainable water management methods and sewage treatment systems through bi- and multilateral investments. In addition, the active involvement of multi-stakeholders (citizens, local municipalities, industries, policy makers) with financial and non-financial institutions would help to create a “sustainable cities” in developing countries.