



A project supported by the European Commission
2013 to 2016

Adopting Integrated Urban Water Management in Indian cities (AdoptIUWM)



Supported By:



Project Partners:





The provision of basic services, especially water supply and allied sectors, is a challenge that Indian cities are seeking to address with the support of national policies and programmes. The projection by the Registrar General of India that 67% of the total population growth in India in next 25 years is expected to take place in urban areas, makes this challenge even more daunting. The conventional practice of compartmentalized planning of water supply, sewerage and storm water drainage systems is no longer effective nor adequate. Alternative approaches to urban water management are becoming necessary.

Adopting Integrated Urban Water Management in Indian Cities" (AdoptIUWM), a project supported by the European Commission, focuses on addressing this need. The project approach will be based on the principles of Integrated Urban Water Management (IUWM) that will be incorporated into conventional planning processes through integrated planning of water resources from source to reuse. This will enable cities to align their plans and practices to the guidelines and objectives of national policies, such as the National Water Policy and the National Urban Sanitation Policy, as well as those of the National Sustainable Habitat Mission, the 13th Finance Commission and the 12th Five Year Plan.

Rajasthan and Maharashtra are amongst the most drought prone States of India and are therefore, an ideal choice for such an initiative. Two cities each have been selected in Rajasthan and Maharashtra in consultation with the respective State Governments: Jaisalmer & Kishangarh in Rajasthan; Solapur and Ichalkaranji in Maharashtra.

The Project: An overview

The IUWM process promoted in the project will be the application of an Indian version of the framework developed within the research project 'SWITCH – Managing Water for the City of the Future', of which ICLEI European Secretariat was a partner. The SWITCH project worked with twelve cities around the world, including four from Europe and looked at how the implementation of an integrated strategic planning process can result in more sustainable urban water management in the 'City of the Future' (www.switchurbanwater.eu). An Integrated Urban Water Management tool kit for Indian cities will be developed and applied in project cities resulting in IUWM action plans and pilot projects. The Project will draw on the experience of the European cities involved in the development and adoption of the SWITCH toolkit; while the implementation and prioritization of issues might vary, the underlying principles will be the same and the lessons learnt in Europe can thus, benefit Indian cities.

Overall Objective

To build the capacity of Indian local governments to undertake water sector reforms through the adoption of Integrated Urban Water Management (IUWM) principles and practices in their planning and implementation processes.

Specific Objectives

- To customize an existing IUWM framework to meet the requirements of Indian Local Governments
- To test the Indian IUWM framework through its implementation in four cities, two each from Rajasthan and Maharashtra
- To implement two pilot projects, identified through IUWM planning process, in each project city
- To advocate integration of the Indian IUWM toolkit as a planning tool in relevant schemes/programmes of the Ministry of Urban Development (MoUD), Government of India

What is IUWM?

IUWM entails treating "all aspects of the urban water cycle ... as one system" and involving "all relevant institutions ... in ensuring that such integration is achieved. Preference is given to innovative and flexible technologies that have been selected based on a holistic evaluation of the water cycle and the long-term sustainability of the system as a whole"

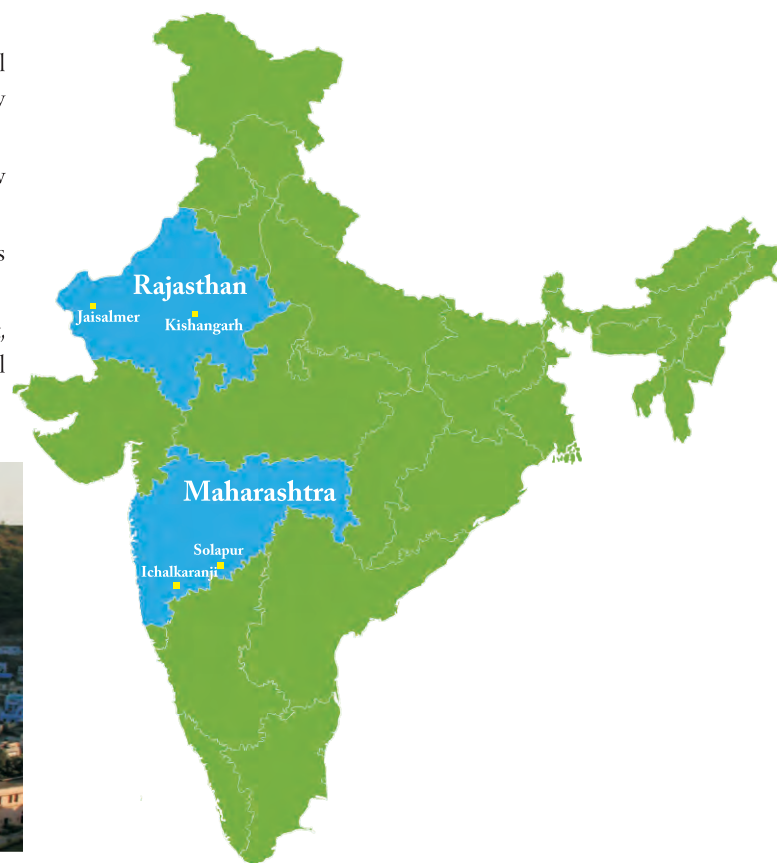
Philip, R. et al. (2011).
SWITCH Training Kit, Module 1.
Published by ICLEI European Secretariat





The Key Outputs

- A tested and replicable IUWM toolkit for Indian cities that promotes sustainable inter-sectoral water management at the city level and helps achieve service level benchmarks in the water supply and allied service sectors
- Preparation of action plans on IUWM in project cities and demonstration of alternative and low cost technology options for improving service delivery, especially to the urban poor
- Capacity building of Local Government personnel towards the application of IUWM principles and approaches in approximately 20 Indian cities, including the 4 project cities
- Facilitation of the uptake of the IUWM toolkit by the Ministry of Urban Development, potentially through the planning framework of JnNURM (Jawaharlal Nehru Urban Renewal Mission) Phase II



Project Duration: 42 months (3.5 years)
1st February, 2013 to 31st July, 2016



Project Cities: Jaisalmer & Kishangarh in Rajasthan;
Solapur & Ichalkaranji in Maharashtra



Funding Agency: European Commission (Delegation to India)



Project Partners:

ICLEI – Local Governments for Sustainability

ICLEI - Local Governments for Sustainability is a membership organization dedicated to building and supporting a worldwide movement of local governments to achieve tangible improvements in global sustainability with a special focus on environmental conditions through cumulative local actions.

ICLEI South Asia (Delhi, India)

ICLEI South Asia is the South Asian Regional chapter of ICLEI and helps cities in the region work towards sustainable development in the field of renewable energy, water, climate change, transportation and many others. Having nearly 50 Local Governments as members in South Asia, out of which more than 40 member cities are from India, ICLEI South Asia has developed a strong network with national and state level departments to ensure the desired involvement and sustained commitment of all levels of the government.

ICLEI European Secretariat, (Freiburg, Germany)

The ICLEI European Secretariat is ICLEI South Asia's counterpart for the European region. Based on a membership of some 200 European cities, towns, regions and their associations; it supports European local governments in achieving more sustainable development. ICLEI European Secretariat is a partner on the AdoptIUWM Project and has played a major part in the SWITCH project by leading the development of the SWITCH Training Kit. It will enrich the AdoptIUWM project by bringing in the European IUWM experience.

Association of Flemish Cities and Municipalities, Belgium (VVSG)

VVSG is the representative of the local governments in Flanders and has several networks of technicians and politicians of local governments which deliberate on and discuss planned and needed policy. VVSG as a partner on the AdoptIUWM project will contribute towards defining the framework from a local authority perspective, based on their expertise of assisting Municipalities through similar policy initiatives and projects.



ICLEI South Asia

Ground Floor,
NSIC STP Complex
Okhla Industrial Area
New Delhi 110020, India
W: southasia.iclei.org
E: adoptiuwm@iclei.org

ICLEI European Secretariat

Leopoldring 3
79098, Freiburg, Germany
W: iclei-europe.org



Association of Flemish Cities and Municipalities

Paviljoenstraat 9
1030, Brussels, Belgium
W: vvsg.be



Funded by: European Commission

(Delegation to India)
65, Golf Links
New Delhi 110003, India
W: eeas.europa.eu/india/index_en.htm