

Supported by



Implemented by



IAdapt

INTEGRATED RURAL URBAN WATER MANAGEMENT
FOR CLIMATE BASED ADAPTATIONS

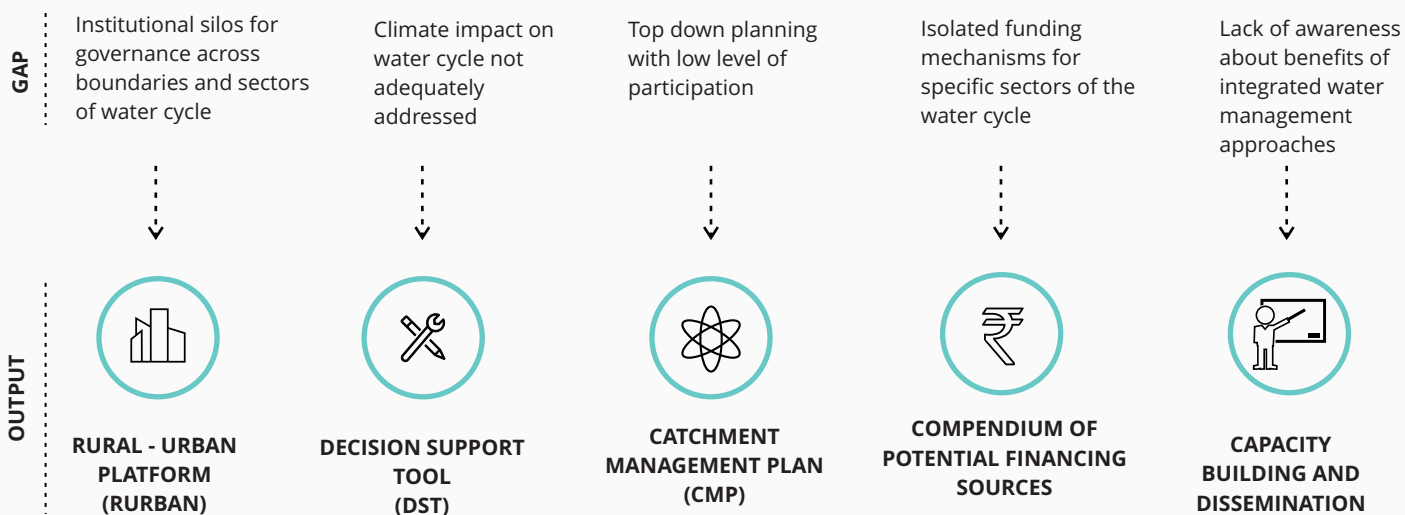


📍 **Vijayawada** 📍 Solapur

OBJECTIVE

**Adopt Integrated Water Resource
Management for climate change adaptation**

OUTPUTS



PROJECT OUTPUTS TIMELINE

2017



a) Catchment delineation



b) Identification of most vulnerable pilot catchment



c) Baseline documentation of pilot catchment



d) Constitution of RURBAN platform



First RURBAN platform at Vijayawada

2018



e) Hydrological and climate modelling for pilot catchment



f) Decision Support Tool framework



g) Catchment Management Plan framework



h) Capacity building

2019



i) Decision Support Tool implementation



j) Development of Catchment Management Plan



k) Training manual for DST and CMP framework



l) Innovative financing options for CMP implementation



m) Dissemination



Hands-on training session at Gannavaram

RURBAN PLATFORM

Integrated governance mechanism with rural and urban stakeholders

CITY- Vijayawada



Municipal Corporation

DISTRICT- Krishna



District Collector



Mandal Officers

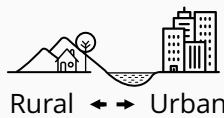


District Water Management Agency

RURBAN PLATFORM MEMBERS

CORE TEAM

PROJECT NODAL OFFICERS



Rural ↔ Urban

STATE- Andhra Pradesh



Irrigation



Groundwater



Agriculture



Disaster Management



Pollution Control



Rural Development



Industries

OTHER STAKEHOLDERS



Water Users Association



Research Organisations



Development Consultancies



NGO



Resident Welfare Association



Academia



Industry Owners Association



Media

DECISION SUPPORT TOOL FRAMEWORK

Facilitates scientifically informed decision making

Water balance for business as usual with 30 year projection



Scenario analysis of proposed intervention on water balance

Master list of adaptation strategies to mitigate negative externalities of proposed interventions



RURBAN platform shortlisting of adaptation intervention

Viability and sustainability analysis of shortlisted adaptation interventions



Prioritised adaptation interventions to mitigate negative externalities of proposed interventions

CATCHMENT MANAGEMENT PLAN

Manage water while addressing issues of climate change

Engagement Phase
RURBAN platform

Baseline Assessment

Data acquisition and analysis of pilot catchment on socio-economic, environmental, governance, infrastructure aspects



Vulnerability Assessment – Climate scenario assessment, Water balance, Integration assessment, Fragile systems assessment, Risk assessment, Actor analysis

Solutions Assessment –

Resilience interventions and their prioritisation, Decision Support Tool framework



Development of Catchment Management Plan – Catchment management action plan, implementation and monitoring framework

CAPACITY BUILDING

On IWRM, climate change, scientific decision making

- Exposure visit for catchment managers to other cities in India
- Hands on training by experts at pilot catchment for stakeholders
- CMP and DST training for Catchment managers

Dissemination

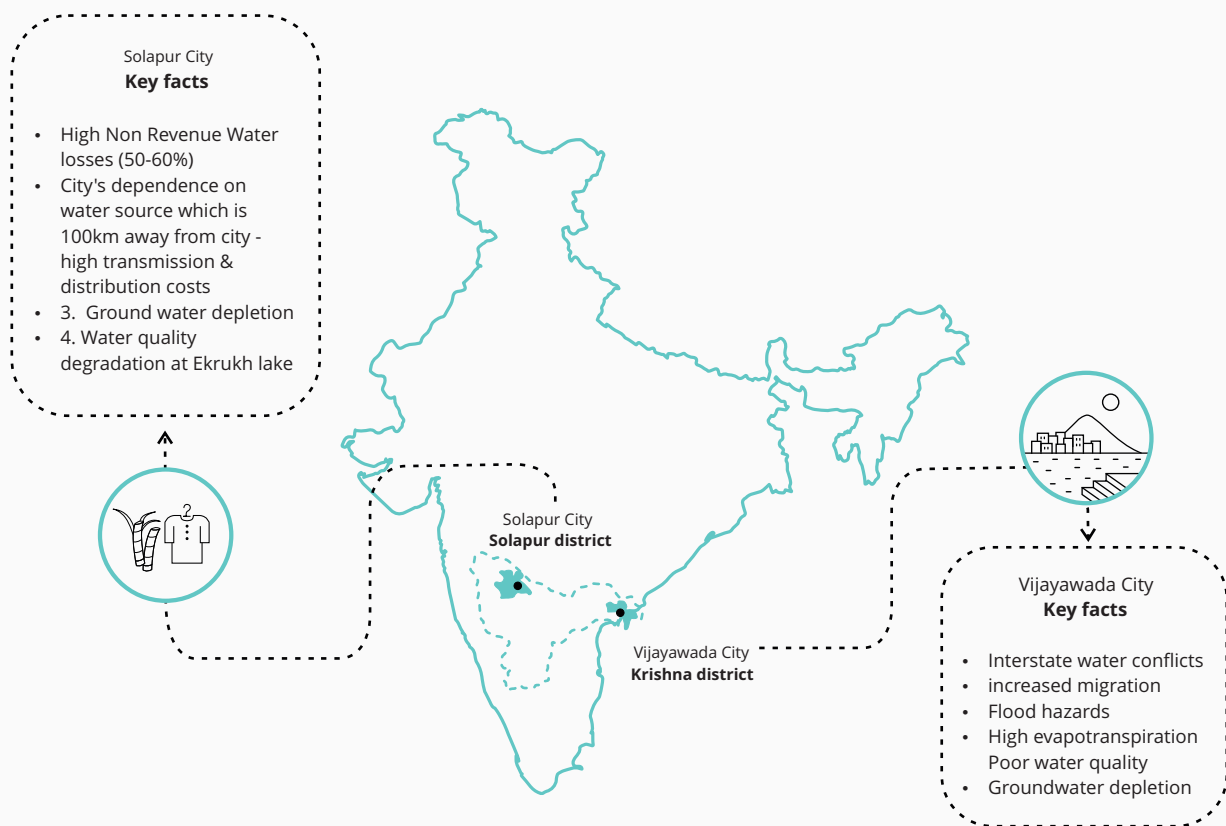
- IAdapt brochure
- Peer reviewed publications
- National/State level workshops, conferences

INNOVATIVE FINANCING MECHANISMS

Compendium of financing options to implement IWRM

- Endogenous (direct and indirect charges)
- Exogenous (pool of external finance) options

SITE RATIONALE



PROJECT PARTNERS

ICLEI

ICLEI South Asia is the South Asian arm of the world's leading association of local governments, including more than 1500 metropolises, cities, urban regions and towns.

Indian Institute of Technology, Madras:

Indian Institute of Technology Madras is one among the foremost institutes in India for higher technological education and applied research.

Athena Infonomics LLC:

Athena Infonomics is a data-driven global consultancy who drives innovative thinking in program strategy and design, project implementation and impact assessment across the full spectrum of economic growth and development challenges through focus on extraction and use of high quality data, social science research methods and new age technology.

International Water Management Institute (IWMI):

The International Water Management Institute (IWMI) is a non-profit, scientific research organisation focusing on the sustainable use of water and land resources in developing countries.

