

Water Demand Management

- ☐ Integrated technical-financial research and demo under WP3.1
- ☐ Providing water supplies to all citizens will be a major challenge for City of the Future
 - o especially rapidly growing cities in developing countries
- ☐ WP3.1 is the only workpackage focused on water supply



Page 1

WDM Demonstration

- ☐ Demo by Zaragoza Municipality
 - o Active leakage control on the water distribution system
 - District Metered Areas etc
 - o Education on water demand management
- ☐ Zaragoza and Demo also being used as research case-study



Page 2

Integrated Resource Planning

- Research on Integrated Resource Planning methodology applied in Zaragoza and Alexandria
 - Analysis of water demand disaggregated by end-uses
 - Options analysis on water demand / supply balance, using standardised calculation of unit cost of water (Average Incremental Cost based on NPV) to compare options:
 - demand management options
 - increased supply options
 - source substitution options (rainwater, reuse etc)

Leakage and Household Consumption

- PhD study (Years 3-5) with Zaragoza case study
 - Active Leakage Control options
 - Analysis of leakage data from Zaragoza
 - Development of model for Economic Level of Leakage
 - IWA methodology + sensitivity to energy costs
- Household consumption studies in Zaragoza
 - Consumption by different end uses (quantity, time), household size etc (Years 4-5)
 - Effects of different technologies and education / campaigns (Years 4-5)
 - Tariff studies (ongoing)

WDM Dissemination and Training

- ☐ Linking with IWA Task Forces / Conferences
 - o Water Loss
 - o International Demand Management Framework
 - o Water and Energy
- ☐ Conference and Journal publications
- ☐ Training conducted in Alexandria and Accra (Year 3)



Page 5

Proposal

- ☐ All consortium members to complete form per workpackage, by 15 Jan 2009
 - o Report briefly on training completed Years1-3
 - o Present and justify training proposed Years4-5
 - Whether planned and budgeted, or new proposal
- ☐ MT selects plans/proposals expected to have the greatest impact in capacity building towards more sustainable UWM



Page 6

Draft Form

- ☐ Developed from form previously used for Call for Training Proposals, Jan 2007, and includes
 - o Aim
 - o Training material to be prepared
 - o Link to Global Training Package etc
 - o Partnerships with other groups
 - o Expected impact
 - o Resources required
- ☐ Form needs to be user-friendly, suggestions welcome

Timetable

- ☐ 1 Dec: revise form to take account of comments by MT and ICLEI
- ☐ 2 Dec: present revised form to Dissemination and Exploitation Committee
- ☐ 3 Dec: inform GA
- ☐ 4/5 Dec: finalise
- ☐ 8 Dec: CMU to email form to all consortium members