

SWITCH
Sustainable Water Management Improves Tomorrow's Cities' Health:
achievements and way forward
100 SWITCH Scientific Conference

Guidelines/Guidance:

Rainwater harvesting

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Background analysis and LA establishment

- **Facts collection**
 - Population (about 18 million in 2009)
 - Land area (16800 sq.km.)
 - Rainfall changes (600-400 mm yearly)
 - Greater Beijing Regional water resources inventory
- **Water management analysis**
 - Share of water uses between sectors: 50% for agri use
 - Water use in urban residents increase fast
 - Pricing increase in water use enhance the efficiency
 - Stakeholders analysis
- **LA establishment**
 - Up to 15 stakeholders involved regularly as LA
 - Up to 6 stakeholders formed as a working group
 - Up to 4 formal and many more informal meetings held




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Visioning strategic planning and Demo project

- **Visioning and strategic planning**
 - Trainings on visioning and strategic planning
 - Challenges identification
 - Implementation on visioning planning towards 2030 in Beijing
 - Decision on rainwater harvesting demonstration
- **Demo project**
 - Analysis on the potential of rainwater harvesting in Beijing
 - Selecting of working partner in Huairou
 - Demo project implementation and data collection
 - Economic analysis on cost-benefit of the demo project
 - Awareness promotion by various media



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Progress and up-scaling the demo project

- **Progress**
 - 2 Ph.D. thesis produced based on SWITCH Beijing
 - Up to 6 journal papers published so far. More expected
 - Training guideline on RWH based on Huairou Demo project
 - Municipal government recognized the importance of RWH and willing promote it further
 - A patent on RWH design is applying
- **Up-scaling**
 - More RWH projects being implemented in all over Beijing already
 - Some trainings on RWH for peri-urban agriculture in Beijing is planned jointly with local government
 - A modified RWH methodology based on SWITCH demo project will be promoted in the coming years according to municipal government