



SWIM-Sustain Water MED

Presented by Dr. Ismail Al Baz
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In a nutshell...

Objective:

- Capacity of sustainable integrated management of non-conventional water resources of partner organizations based on IWRM is improved.
- Good practices of sustainable integrated wastewater treatment technologies in the partner countries are demonstrated.

Target Group:

- Policy-makers from the water, environmental, agricultural sector and
- Water users in rural and peri-urban areas

Funding:

EU and BMZ

Duration:

2012-2014

Implementation Consortium:

- GIZ (4 countries)
- Water and wastewater authorities/utilities (4 countries)
- 3 environmental consulting organisations
- 1 academic institution





In a nutshell...cont'd



MOROCCO

Partner: Water Basin Agency of Souss-Massa et Draa (ABH-SMD)

Location: Ait Idir Village (South Atlas Mountains)

Focus: Eco-sanitation and rainwater management



TUNISIA

Partner: National Sanitation Office (ONAS)

Location: Oueljet El Khodher in the Medenine Governorate (SE)

Focus: Participatory wastewater quality monitoring and control



EGYPT

Partner: Holding Company for Water and Wastewater (HCWW)

Location: Al Gezayra Village in the Ismailia Governorate

Focus: Decentralized Wastewater Treatment and Reuse (rural level)

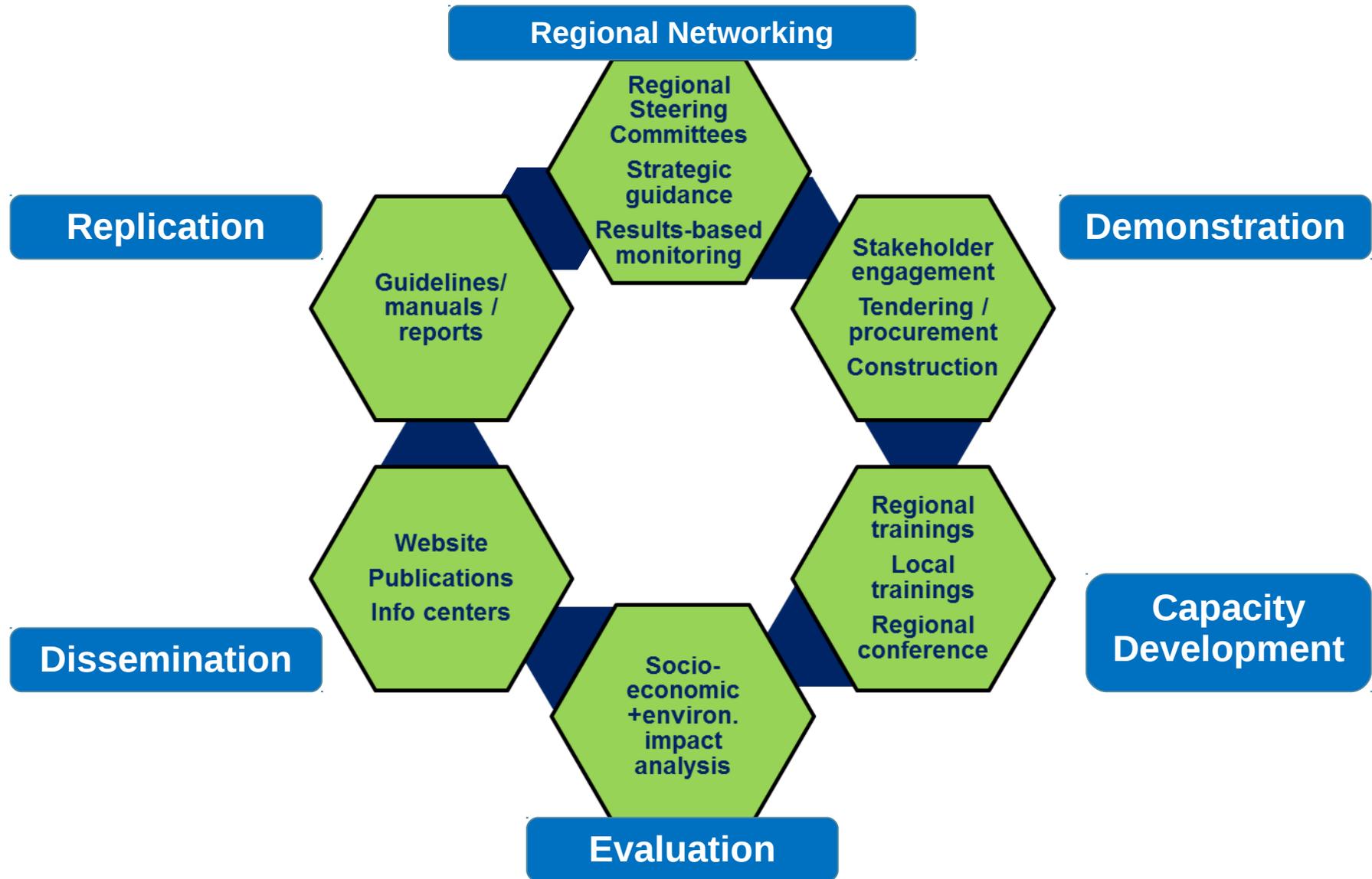


JORDAN

Partners: Al Balqa Applied University (BAU), IUCN

Location: Public Security Directorate near Amman

Focus: Decentralized Wastewater Treatment and Reuse (peri-urban level)





Achievements

Demonstration

- **Demonstration projects in Morocco, Tunisia, Egypt have collected all relevant baseline data and are to proceed with tendering of construction work.**
- **In Jordan, the construction work for the decentralized wastewater unit has begun (SBR Technology).**

Capacity Development

- **Regional Training on ECOSAN took place in Morocco in June 2013 (80% of participants confirmed relevance of training content).**
- **Regional Training on Decentralized Wastewater Management took place in Jordan in early November 2013.**



Achievements

Evaluation

- A common framework for Impact Assessments has been established and disseminated among project partners.
- All 4 pilot projects have collected baseline data, 2 out of 4 projects have identified (environmental, social and economic) impact indicators and established a monitoring plan.

Dissemination

- The project website was launched and is operating (<http://swim-sustain-water.eu>).
- Regional factsheet (Ar/Eng/Fr) disseminated at int. conf. and among stakeholders.
- Project was presented at international conferences.



Achievements

Regional Networking

- **2 Regional coordination meetings have taken place.**
- **2 Regional trainings have been conducted.**
- **1 Jordanian-Tunisian exchange workshop took place in May 2013 on the 'Safe Reuse of Treated Wastewater in Agriculture'.**

Replication

- **All 4 pilot projects have active Steering Committees that ensure alignment to national strategies (i.e. regular meetings, approval of implementation steps).**
- **Close cooperation with long-term projects at policy-level (Morocco -> GIZ AGIRE; Tunisia -> GIZ CCC; Egypt -> GIZ WP; Jordan -> UFZ NICE).**



Challenges/Lessons Learned



Project site visit, Egypt, October 2013

- **Multitude of partners makes communication/coordination challenging.**
- **Political situation poses constraints to timely implementation (esp. Egypt, Tunisia).**
- **Duration of 36 months insufficient to ensure project impacts.**
- **Added value through aligning to existing GIZ programme structures on the ground: Improve implementation due to local expertise and network to gov./non-gov. actors.**
- **Future consideration of operational costs in EU grant.**



Replication: Expected Outputs in 2014

DEMONSTRATION / DISSEMINATION

- 4 pilot sites
- 4 information centers
- 3 demonstration fields (Morocco, Jordan, Egypt)

CAPACITY DEVELOPMENT

- Regional (2x) & several local trainings

EVALUATION / REPLICATION

- Compendium of impacts and best practices
- Technology catalogue for adapted rainwater management and eco-sanitation (Morocco)
- Manual for a cross-sector wastewater quality control mechanism (Tunisia)
- Joint Jordanian-Egyptian guideline for the management of small-scale WWTP
- Articles in international journals
- EIA guide for WWTP
- Reuse studies

REGIONAL NETWORKING

- Regional conference in Cairo in April 2014
- 2 Regional coordination meetings



Demonstration field, Morocco, June 2013



Thank you for your attention

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