



Sustainable Water  
Integrated Management (SWIM) -  
Support Mechanism



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*Water is too precious to waste*

**Session IX: Activities Suggested for SWIM 2015.**

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# OBJECTIVES OF PRESENTATION

- To present three suggested activities for 2015 capitalizing on SWIM-SM developed guidelines, policy briefs and EGM recommendations.

# FIRST ACTIVITY

**DEVELOPMENT OF DRAFT NATIONAL  
REGULATION FOR CONTROLLING  
GROUNDWATER ARTIFICIAL RECHARGE IN  
2 SWIM COUNTRIES**

# OBJECTIVE

**To develop national regulatory guidelines for using adequately treated wastewater as a source of water for the safe artificial groundwater recharge & to BC of national water officials on compliance with the suggested regulations.**

# APPROACH

1. Review, compilation & analysis of wastewater & environment regulations that control wastewater management & disposal in 2 PCs.
2. Identification of the gaps in the existing wastewater & environment regulations.
3. Technically analyze the adequacy of WWT, effluent water quality, nature of aquifers targeted for recharge, water quality of aquifer, current water uses from the aquifer, etc..

4. Identification of techno-economic gaps that hinder artificial recharge, propose appropriate mitigation measures without polluting the aquifer.
5. Identify & analyze the factors that might affect the compliance & enforcement of the foreseen regulations.
6. Draft the national artificial recharge regulations that commensurate with specificities of each country.

7. Configure the institutional reforms that must be in place at the appropriate levels of government to administer the regulatory package.
8. Organize a 5 days study tour in 2 European countries known for their advancement in regulated artificial recharge.
9. Convene a national consultation involving all stakeholders including NGOs to discuss & possibly amend the proposed regulations.

10. Submit two national reports with a specific regulatory text for voluntary implementation in each PCs.

# Criteria for selecting the two focus countries

1. Clear interest expressed by the country through a letter of commitment to the EC,
2. Commitment to provide access to relevant information such as current water regulations for the management of wastewaters, treated wastewater quality, relevant studies, etc.
3. Existence of preliminary national and/or local plans for using treated wastewater in artificial recharge.
4. Identification of areas where recharge is planned, nature of the targeted aquifer, water quality of the aquifer, current use of the aquifer, etc.

# Second Activity

**NATIONAL POLICIES FOR THE  
ESTABLISHMENT OF WATER & AQUATIC  
ENVIRONMENT PROSECUTION &  
MAGISTRATES SYSTEMS IN TWO SWIM  
COUNTRIES**

# OBJECTIVE

**To improve compliance with water & aquatic environment regulations in two SWIM PCs:**

1. Identification of national policies through defining the water activities classification, the permitting system & the related administrative sanctions.
2. Propose amendments to the penal sanction to fit the most common violations experienced in each of the two SWIM PCs.

3. Assess & develop an action oriented plan to improve a corps of engineers & inspectorate capacity at relevant administrative level.
4. Design national CB training & study tours programs for prosecutors & magistrates.

# THIRD ACTIVITY

**Monitoring & evaluation  
system for IWRM in SWIM  
region with pilot  
applications at the national  
level**

# OBJECTIVE

- The activity aims at developing a practical M&E system for the implementation of IWRM policies including the relevant socio-economic & environmental aspects.
- The ultimate objective is to support integrated decision making for sustainable water resources management & to fill the gap between information generation & decision making.

# Specific Objectives

1. To identify and shortlist IWRM indicators that are relevant, reliable, cost-effective, regularly monitored & reported to reflect the degree of implementation of IWRM principles through a participatory process involving all relevant sectors who will be responsible for implementing the selected indicators. (Regional during 2015)

2. To extrapolate, modify, test and verify the implementation of the shortlisted set of IWRM indicators in two focus SWIM countries (National – SWIM II)
3. To identify and agree on the National agencies/institutions that will be responsible for applying the developed indicators,
4. To develop a coordination mechanism among these institutions to enable analysis and interpretation of the developed indicators within a holistic context for a fully coordinated informed decision making. (National - SWIM II)

# Expected Outputs (1)

1. A knowledge map on regional efforts in developing IWRM indicators for informed decision making.
2. A short set of IWRM indicators that are relevant, reliable, cost effective, regularly monitored & reported in most SWIM countries.
3. A regional framework that inspire national initiatives to pave the road for the integration of water information, allow water pertinent data transfer to other national relevant entities, and possibly countries on a voluntary basis to share experience and for potential benchmarking.

## Expected Outputs (2)

4. Harmonized guidelines and tools for developing national coordination mechanism for water relevant sectors to generate, share, coordinate, analyze and interpret IWRM indicators to enable informed decision making within a SD context.
5. A national M&E system using IWRM indicators that are catered according to the specificities of two pilot SWIM countries.

*Thank you  
for your kind attention*

مع خالص شكري  
وامتناني

*Merci pour  
votre attention*

*For additional information please contact:*

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