Water Security for Peace and Development in the Islamic World: Preparing the next Dakar 2021, 9th World Water Forum

COOPERATION AND WATER DIPLOMACY TO ACHIEVE WATER RELATED SDGs

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OUTLINE OF THE PRESENTATION

- International Water Agenda: Implications for Muslim Countries
- Driving the Achievement of Water Related SDGs in Muslim Countries
- Water Cooperation and Diplomacy: Sharing Benefits
- Cooperation Opportunities with ONEE Morocco
- Cooperation at the 9th World Water Forum
Water Security is under severe pressure

- World population explosion
- Rapid shifts from rural to urban areas
- Water Scarcity / Decline in Water availability
- Adequate access to drinking water and sanitation services
- Impact of dietary changes as countries develop
- Increasing pollution of water resources
- Over-abstraction of ground water
- Significant issues created by climate change

Implications for water security in Muslim countries?
7 out the Top 20 largest countries by population in the world are members of the Organisation of the Islamic Cooperation (OIC)
RAPID SHIFTS FROM RURAL TO URBAN AREAS

Mass migration of populations from rural to urban areas

2007: landmark event the number of people in urban areas overtook the number in rural settings

In 2030 world population expected to be 2/3 urban

Urbanization in the Arab World and in other Muslim countries is above World averages

Urban expansion and population growth are causing tensions over resources, especially water. This ultra-rapid and often anarchic urbanization also makes it difficult to set up drinking water distribution and wastewater collection networks.
Water scarcity is a critical issue in most Muslim countries: *Physical water scarcity / Economic water scarcity*

Water scarcity is exacerbated by climate change. Climate projections provide strong evidence that water resources can be affected by climate change, with wide-ranging consequences for human societies and ecosystems. Muslim countries in their majority are strongly hit by climate change and its negative impacts on water resources management and water security.
Traditional and new demand for agricultural production put growing pressure on already scarce water resources.

Cereal Demand far outpaces Domestic Production in Arab Countries

Like for many countries around the world, domestic food needs in Muslim countries will be met through strategic levels of national agricultural production and the gap will be covered by relying on the international market.
Understanding the challenges and their *interconnections* is a critical step in consensus building and effective cooperation.
WHY GLOBAL / REGIONAL COOPERATION

- Problems are interconnected
- Cannot be solved by 1 country

Mohamed AitKADI GWP/TEC
Cooperation is even more crucial for the management of transboundary water resources. Many rivers and aquifers are of transboundary nature in Muslim countries.
Water: productive & destructive force

a source of production, growth & cooperation

a source of destruction, poverty & dispute

World Bank, Alavian
From Single Output ... to Multiple Benefits

Cooperation moves the cursor towards benefits sharing that go beyond access to drinking water and sanitation services to include clean energy, smart agriculture, environmental protection, sustainable development and peace.
ONEE MOROCCO: A PUBLIC INSTITUTION IN CHARGE OF ELECTRICITY, DRINKING WATER AND SANITATION

ONEE is born from the merger in 2012 of

The National Office of Electricity (ONE) created in 1963

The National Office of Drinking Water (ONEP) created in 1972

Through the Water Branch, ONEE develops its strategy around three axes:

Sustainability, security and strengthening of drinking water supply installations in urban areas

Generalization of access to drinking water in rural areas

Active intervention in the field of liquid sanitation and environmental preservation
2019 ONEE KEY INDICATORS: DRINKING WATER AND SANITATION

Production & Distribution of Drinking Water

- 86 Treatment Plants among which 6 Desalination plants
- Production Capacity 75 m³/s
- 1200 Mm³
- Transport Pipes 12,900 km
- Distribution Pipes 52,800 km
- 726 Cities/centers
- 2.3 million subscribers

Rural Drinking Water

- Access rate 97.4%
- Beneficiary population 12.8 million inhabitants

Evolution of the access rate in rural areas

Liquide Sanitation

- 135 Cities and centers
- 5.7 Million inhabitants
- 112 Waste Water Treatment Plants
- 443,000 m³/d Treatment capacity
- Depollution rate 80.3%
- Connection rate 89.3%

Evolution of the number of WWTPs and the purification capacity

- Number of treatment plants
- Treatment Capacity
Cooperation is playing a crucial role for the achievement of ONEE’s strategic objectives. Many successful schemes were developed during the last 2 decades.

**NORTH-SOUTH COOPERATION:**
Build the institution’s own capacity as its mission evolves

**SOUTH-SOUTH COOPERATION:**
Based on the values of solidarity and human development

**TRIANGULAR COOPERATION:**
with the support of international partners and donors
As part of bilateral and triangular cooperation, ONEE regularly conducts capacity building and training programs for partners from African countries and Arab States.

Programs cover all aspects of technical and administrative management of water services (treatment, operation, maintenance, purification, customer management, accounting for water services, etc.)

ONEE’s Center of Excellence for training and research: INTERNATIONAL INSTITUTE FOR WATER AND SANITATION (IEA)
COOPERATION AT 9th WORLD WATER FORUM

Four Priorities led by Four Pilot Groups

Stakeholders involved in each Priority

COOPERATION ACTION GROUPS

3A. Implement IWRM at all levels (6.5)
3B. Implement transboundary cooperation to foster peace and prevent conflicts (6.5, 6.A)
3C. Expand international cooperation, including ODA, and capacity building to foster peace (6.A, 17.2, 16A, 10.B)
3E. Enhance North-South, South-South and triangular cooperation on data and information sharing, and capacity building (17.6, 12.8, 16.10, 17.9, 17.18)
3F. Enhance multi-stakeholder dialogue and partnerships, including with outside sectors (17.16, 17.17)

Each Action Group will Identify (3 or more) Actions:

Linkages: to the SDGs targets to facilitate contributions to global monitoring processes.
Collaboration: with the group and others (consultative groups and out of the water box actors).

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Thank you for your attention