Water-related Monitoring in the Voluntary National Review for Egypt

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VNR Committee Members

1. Chair:
2. Add your second bullet point here
3. Add your third bullet point here
National Water Priorities

1. WATER Security for All by 2030 is a main target.

2. Healthy and Clean Water For All.

Global Sustainable Development Goals (SD. 6)

The Water Cycle in the Sustainable Development Goals

11.5 Disasters

6.4 Water use and scarcity

6.3 Waste-water and water quality

11.5 Cooperations

6.6 Ecosystems

6.5 Water management

6.a and 6.b Cooperation and participation

6.2 Sanitation and hygiene

6.1 Drinking water

Sustainable Clean water and Sanitation for all
National Water Targets

- SDGs didn’t reflect all water resources situation of downstream countries like Egypt, where 97% of its water sources is transboundary water.

- Egypt’s 2030 strategy, considered a main pillar for WATER.
Main challenges

Egypt characterized with:

- Population approaching **100 Million**
- **98%** is desert
- **97%** Water Resource is transboundary Water

### Losing one BCM of Nile flows

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Losing **200,000 Acr of Cultivated lands**
Losing **One million job**
Current water situation

Total Water Demand 114 billion m³

- Virtual water in the form of imports from abroad 34 billion m³
- Water shortage gap filled by reusing agricultural water and treated wastewater 21 billion m³
- Available water resources about 59 billion m³

Water Stress 134%
Water Resources Challenges

- Economical challenges
- Institutional challenges
- Social challenges
- Political challenges
- Environmental challenges
Environmental Challenges

- Understood Development in Nile Basin countries
- Pollution problems
- Aquifers overuse (Fossil Water)
- Climate changes (Sea Level Rise, floods, Flashfloods and Drought)
Institutional Challenges

- Lack of coordination to follow an integrated and participatory approach
- Decision-making Centralization
- Lack Of Rules and Regulations Implementation
- Lack of Private Sector Participation
- Lack of Awareness and Capacity Building Support.
Political Challenges

Separate signing of some upstream countries to the Framework Convention.

Unilaterally implementation of projects by some Basin countries without taking other Basin countries into consideration.
Economical Challenges

- Lack of Funding and investment directed to the water sector
- High cost of importing food crops
- High cost of water desalination technologies
Growing population growth

Unsustainable consumption patterns

Impact of water quality on public health

Water availability culture
Means of Implementation for achieving water targets

- Institutional
- Social
- Economic
- Environmental
Water strategy measures

Social Field
- Increasing employment opportunities in water resources field
- Protection of public health
- Civil society participation

Environmental Field
- Improve water quality by reducing pollution loads from all sources
- Implement shore protection projects to reduce the negative impacts of climate change
- Improving the quality of water in the northern lakes to protect the ecosystem.

Economical Field
- Increasing water resources.
- Maximize the water productivity.
- Improve the efficiency of the infrastructure of the water resources system.

Institutional Field
- Support coordination at all levels.
- Updating and reviewing the legislative framework.
- Increase of public awareness.
- Institutional capacity support.
Institutional Measures

Supporting The Role of Localities
- Decentralization
- Supporting technological infrastructure
- Follow up the implementation of governorates water resources plans

Transparency and Accounting
• Disseminate and exchange data and information related to water resources
• Activating e-government in water resources field

Community Participation
• Increase private sector and civil society organizations participation
• Increase awareness

Institutional Reform
- Clearly define roles.
- Activation of Legislation, laws, sanctions & fines
- Institutional capacity development
Key Messages

• SDGs is the main key to keep the world secure “Water security”

• Cooperation and Coordination between basin countries is the key for achieving SDGs.

• Water Security for all by 2030, facing the challenge of 97% transboundary water Resources.

• Include water scarcity, water pollution and environmental aspects

• Consider climate changes

Thank You