



SDG 6.5.1 Stakeholder Consultation Report

[Egypt]

[22 January 2024]

ANNEX 3: Optional Stakeholder Consultation Report template

Executive Summary

- A Workshop was held to get the approval of the result of the indicator (6-5-1) concerned with the degree of implementation of integrated water resources management in cooperation and coordination with statistical work partners from those concerned with the central agency for public mobilization & statistics , the Egyptian Water Partnership, the Center for Environment and Development for the Arab Region and Europe (CEDARE) and many partner agencies.
- The Indicator 6-5-1 questionnaire is completed in a participatory approach among stakeholders from entities that are affected and influenced by water resources, including (ministries, organizations, academia, civil society...etc.).
- The partner agencies were invited to a consultative workshop to discuss and agree on the index score, which was held on Tuesday, January 16, 2024, at the Semiramis Intercontinental Hotel, and organized by the Egyptian Water Partnership and CEDARE.
- The relevant authorities participated in preparing the index (Ministry of Irrigation and Water Resources - Ministry of Planning and Economic Development - Ministry of Agriculture and Land Reclamation - Ministry of Environment - Engineering Authority of the Armed Forces - National Planning Institute - Holding Company for Potable Water and Wastewater - Egyptian Water Partnership - Center for Environment and Development For the Arab Region and Europe (CEDARE) - Arab Water Council - Faculty of Engineering, Cairo University - National Housing and Building Research Center - National Water Research Center - Faculty of Engineering, Helwan University - Academy of Scientific Research and Technology - Faculty of Graduate Studies and Environmental Research, Ain Shams University - Foundation Our Earth's Climate for Sustainable Development).
- During the workshop, the completed Survey from the Ministry of Water Resources and Irrigation was discussed, and the final score for indicator 6-5-1 regarding the implementation of integrated water resources management in Egypt was agreed upon to become (63 degree) for the year 2023, and all Stakeholder approved the indicator score.
- The completed survey can be found in a separate document [IWRM_EGYPT_2023]

1. **Conclusions from facilitated discussions on Section 1: 'Enabling Environment'**

During the discussion of Section 1: 'Enabling Environment' the Policies, laws and plans to support IWRM implementation were discussed by the stakeholders. The answers of the 7 questions were presented to the participants and there was an approval on the degree of each question.

Status and progress: The Ministry of Water Resources and Irrigation has developed the Water Resources Development and Management Strategy for 2050, which was prepared in

2011 and recently reviewed, updated, and issued in 2017. The strategy is highly congruent with the National Water Resources Plan 2037 and it sets a long-term time horizon. It emphasizes two strategic concerns, as follows:

- o Climate change will affect Egypt principally through higher uncertainty on the upstream water supply through the river Nile; and clear negative pressures on the coastal zone in terms of sea-level rise, storms, erosion, and saltwater intrusion, aggravated by continued land subsidence. In addition, more water will be required to produce the same amount of agricultural commodities because of higher evaporation and lower yields. The 2050 strategy signals the urgency of climate change adaptation.

- o The higher level of management over the water resources is required to be achieved over the coming decades. –Keeping up with water scarcity and other resource pressures also requires developing infrastructure that accommodate better management for the resource. The 2050 strategy signals, for instance, the vast and sustained effort that is required in modernizing the national water infrastructure, and argues for infrastructure that allows strong regional management of allocated water resources, taking place at the Governorate-level.

2. **Conclusions from facilitated discussions on Section 2: 'Institutions and Participation'**

Discussions on Section 2: 'Institutions and Participation' focused on the range and roles of political, social, economic and administrative institutions and other stakeholder groups that help to support implementation.

The participants agreed upon 9 questions degree but for the question (a. National government authorities for leading IWRM implementation) the participants discussed the proposed value which was 80 and agreed upon the value to be 70 as the value of 2020 survey.

Status and progress: The National Water Resources Plan 2037 has been prepared based on the principles of integrated water resources management, which provides the ministries and concerned parties with general principles through which decisions can be taken regarding investments and actions that lead to optimally achieving national goals. NWRP is a framework; therefore the responsibility for implementing the measures mentioned in the plan and achieving the desired targets rests with the ministries and various authorities. There is already a coordination framework that defines all the relevant stakeholders to achieve and implement the National Water Resources Plan.

Also for the question (e. Organizational framework for transboundary water management) the discussions revealed that the value will be updated to be 50.

Status and progress: Egypt was one of the founding members of the NBI in 1999, which was intended to serve as a vehicle of cooperation, information sharing, confidence building, and promoting the joint management of the Nile basin. Since founding the NBI, Egypt participated in many projects of mutual benefit to all Nile basin States, such as SAPs (FPEW, irrigation and drainage, watershed management, etc.).

Nevertheless, in 2010, Egypt suspended its participation in NBI technical activities. This came in response to the non-consensual decision taken by some upstream states to open for signature the unfinished draft of the "Cooperative Framework Agreement (CFA)", in breach of the NBI rules of procedure and those of the negotiating committee. Since then, the NBI has continued to function as a non-inclusive and non-consensual framework.

In 2017, Egypt presented a preliminary proposal for future action focusing on a gradual approach to overcome the current situation among the basin countries in light of the principles of customary international law, which would allow the initiative to restore all-inclusiveness of all member states, but this proposal was rejected by the Nile Basin Countries

3. **Conclusions from facilitated discussions on Section 3: 'Management Instruments'**

Discussions on Section 3: 'Management Instruments' focused on the tools and activities that enable decision-makers and users to make rational and informed choices between alternative actions.

The participants agreed upon 8 questions degree but for the question (d. Transboundary data and information sharing between countries) the participants discussed the proposed value which was 80 and agreed upon the value to be 70.

Status and progress: Data and information sharing between Egypt & Sudan is regularly taking place within the context of PJTC rules and procedures.

Way forward:

PJTC has ambitious plans to enhance its capacity to develop modern platform and database to facilitate data sharing and communications between the headquarter and other implementing agencies.

Development partners and international organizations could provide their support to the development of such platform and data base with the recent innovations & technologies

Status and progress: The sector of monitoring, communication, information, and property affairs within the Ministry of Water Resources and Irrigation is responsible for providing decision-makers with information and relevant data with the highest accuracy. This is done through the localization of the latest information and communication technologies in the Ministry's devices and sectors through the real-time monitoring of data with mobile communications for more than 200 field sites Distributed to the irrigation administrations in the governorates, which helps in monitoring and controlling water levels and water quality, whether (canals and drains - pump stations -groundwater wells). This will enable decision makers (in the ministry at all levels) to take necessary decisions towards achieving the ministry's objectives of management Rationalization of water resources. On the other hand, the Nile Forecasting Center in the Ministry of water resources and Irrigation is working on rainfall prediction in the Nile Basin countries which helps to predict the release from HAD and make some scenarios to help in the operation of HAD.

Groundwater monitoring is carried out regularly through the National Groundwater Quality Monitoring Network, which is operated by the Research Institute for Groundwater. The network has monitoring points covering all Egyptian aquifers and the areas relying highly on groundwater development activities. The network monitors the groundwater levels and quality and delivers an annual report. The report presents the status of groundwater in all Egyptian aquifers and any significant changes that occurred

4. **Conclusions from facilitated discussions on Section 4: 'Financing'**

During the discussion of Section 4: 'Financing' Budgeting and financing for water resources development and management were discussed by the stakeholders. The answers of the 6 questions were presented to the participants and there was an approval on the degree of each question.

Status and progress:

- Infrastructure projects constitute a major part of the budget for the NWRP 2037. Projects usually include; physical infrastructure projects such as utility networks, irrigation systems, and drinking water and wastewater treatment plants.
- Many mega projects for water infrastructure are planned to be implemented and some already started such as rehabilitation and lining of main canals, water treatment projects, and desalination projects.
- The Government started the project "decent life" project to provide most of villages with sanitation clean water projects.
- Enhance participation of the private sector in the construction and operation of infrastructure and public utilities projects
- Under the implementation of IWRM elements , covering all O&M cost many awareness campaign policy, law-making and planning, institutional strengthening, coordination, stakeholder participation, and capacity building have been considered under the NWRP investment budget within MWRI.
 - The Government's vision for financial sustainability for the water sector includes:
 - Exploring alternative cost-sharing arrangements with decentralized service delivery institutions;
 - Implementing a progressive turnover of O&M financial liabilities to water utilities or water user organizations;
 - Establishing cost recovery arrangements between the Government and farmers or other private investors in the new land

Way forward: Additional incentives are needed for Establishing a full cost recovery arrangement between the Government and farmers or other private investors in the new lands

5. **Next steps**

Following are some recommendations to ensure success of SDG 6.5.1 implementation:

1. Involving all stakeholders in the process; the planning phase; allowing each group of stakeholders to set their own targets, indicators,baseline and targets;

2. Embrace more transparency and information sharing; through development of sound information systems; electronic means; websites and also through regular meetings among different stakeholders

3. Sustain high-level commitment of ministries and stakeholders with effective coordination between them on the short, medium and long term

4. Continuation of awareness campaigns on IWRM principles; the media has a strong role to play to inform the public of the progress and get their support.

5. Regular monitoring and evaluation. The Ministry of Planning has to monitor the implementation of planned activities of all ministries, identify the impediments at an early stage, and revise the plan as deemed necessary.

6. Annexes

Annex 1: List of Participants

Annex 2: Agenda

Annex 3: Facilitator's Comments

Annex 4: Photos

Annex 1: List of participants

Workshop participants

| Name | Organisation | Position | Email address |
|---------------------------------|--|--|-------------------------|
| Dr. Hussein Ihsan Al-Atfi | Arab Water Council | Secretary General | |
| Mr.Mahmoud Abdel Halim Abu Zaid | The Egyptian Water Partnership | President The Egyptian Water Partnership | |
| Dr. Khaled AbuZeid | Center for Environment and Development for the Arab Region and Europe (CEDARE) | Regional Water Resources Director, CEDARE Secretary General, Egyptian Water Partnership | kabuzeid@cedare.int |
| Mr.Mostafa saad Badwi | The Central Agency for Public Mobilization and Statistics (CAPMAS) | Head of the Economic Sector | mostafa_s@capmas.gov.eg |
| Dr. Emad Mahmoud Khalil | Ministry of Water Resources and Irrigation | Head of the central administration of water resources, planning sector, MWRI. | emad_mm@hotmail.com |

| Name | Organisation | Position | Email address |
|---|--|--|--|
| Prof. Abdel Aziz Ibrahim Abdel Aziz | National Planning Institute | Professor | Abdelaziz.ibrahim10@gmail.com |
| Dr. Tarek Ahmed El-Samman | Arab Water Council | Professor of Water Resources and Technical Advisor and Member of Board of Governors, | tareksamman@yahoo.com |
| Dr. Sameh Mohamed Abdelgawad | Faculty of Engineering, Cairo University | professor of Environmental Hydraulics | sameh.gawad@misrconsult.com |
| Dr. Maha Mustafa Al-Shafey | National Center for Housing and Building Research | Sanitary and Environmental Engineering Professor | |
| Eng. Amany Abdelmeguid Ahmed | The Holding company for water & wastewater | Manager of Master Plan department | amany.meguid@hcww.com.eg |
| Dr. Ahmed Gamal Yehia | Holding Company for Water and Wastewater | Manager of Environmental affairs | ahmed.gamal@hcww.com.eg |
| Eng. Eman Fathy Abdel Aziz | Ministry of Water Resources & Irrigation *EWP Governing Board | Deputy of General Department of Studies, Reservoirs & Grand Barrages Sector, | emanfathy145@yahoo.com |
| Prof. Dr. Ahmed Wagdy Mohamed Abdel Dayem | Faculty of Engineering, Cairo University | Professor and Head of the Hydraulics Department | |
| Dr. Ayman Elsayed Ibrahim | Ministry of Water Resources & irrigation | Chairman of Mechanical & Electrical Department | Ayman16@hotmail.Com Ayman16@mwri@gov.eg |
| Dr. Omar Elbadawy | Land Resources at the CEDARE Organization | Regional Land Resources Program | elbadawy@cedare.int |

| Name | Organisation | Position | Email address |
|-----------------------------------|--|--|------------------------------|
| | | Manager | |
| Dr. Sohair Saad Zaghoul | National Water Research Center Ministry of Water Resources and Irrigation | National Center for Water Research | sohaahm@yahoo.com |
| Dr.Ahmed Ibrahim Mohamed Refaat | Faculty of Engineering, Mataria, Helwan University | Professor Emeritus | refat_a31@yahoo.com |
| Eng. Wafaa Mahmoud Ali Ismael | Design & Planning Sector at the Holding Company for Water&Wastewater | Senior planning and development eng. | wafaa.mahmoud@hcww.com.eg |
| Eng/ Khaled Mohamed Ahmed Elsayd | Ministry of Agriculture and Land Reclamation | General Manager of General Department for Statistical Estimates by Samples | kh19651014@gmail.com |
| Dr. Rasha Mohamed Saleh | Egyptian Environmental Affairs Agency Ministry of Environment | General Manager of wastewater quality and reuse department | watersector@hotmail.com |
| Dr. Walid Haqiqi | Ministry of Water Resources and Irrigation | Head of Planning Sector | |
| Mrs. Nahed Salem | Ministry of higher education and scientific research | Deputy director of the Egyptian science, technology and innovation observatory, ASRT | nahedelashkar.asrt@gmail.com |
| Major General Hazem Mamdouh Taher | Assistant Director of the Water Department | Armed Forces Engineering Authority | |

| Name | Organisation | Position | Email address |
|-------------------------------|---|---|-----------------------------|
| Prof. Dr. Hisham Al-Qassas | Faculty of Graduate Studies and Environmental Research - Ain Shams University | professor of soil and water environment | |
| Dr. Al-Sayed Sabry | Board of Trustees | the Our Earth Climate Foundation | |
| Ms. Nada Yaqoub | Ministry of Planning and Economic Development | Senior Economic Researcher | egyptvision2030@mped.gov.eg |
| Dr. Amr AbdelMegeed, | Environmental Governance and Resilience Programme, CEDARE. | Regional Director, | amegeed@cedare.int |
| Ms. Awatif Hussein | The Central Agency for Public Mobilization and Statistics(CAPMAS) | Advisor to the Head CAPMAS | Pres_capmas@capmas.gov.eg |
| Mrs. Neven Muhammad Awad | The Central Agency for Public Mobilization and Statistics (CAPMAS) | Head of the Central Administration for Trade and Utilities | n.awad@capmas.gov.eg |
| Mrs. Safaa Sami | The Central Agency for Public Mobilization and Statistics (CAPMAS) | Head of the Central Administration for Financial Statistics | Safaa_s@capmas.gov.eg |
| Mr. Raymond Nabih Andraos | The Central Agency for Public Mobilization and Statistics (CAPMAS) | Director General of the General Administration of Environmental Statistics | Remon_n@capmas.gov.eg |
| Mr. Ihab Mahmoud Gad | The Central Agency for Public Mobilization and Statistics (CAPMAS) | Head of the Central Administration for the Office of the Head of the Agency | Pres_capmas@capmas.gov.eg |
| Mrs. Reem Ismail Muhammad Al- | The Central Agency for Public Mobilization and Statistics | Head of the Sustainable | Reem_i@capmas.gov.eg |

| Name | Organisation | Position | Email address |
|---|--|---|---|
| Sibai | (CAPMAS) | Development Unit | |
| Mr. Moheb Victor Youssef | The Central Agency for Public Mobilization and Statistics (CAPMAS) | Senior Statistician, Sustainable Development Unit | Moheb_v@capmas.gov.eg |
| Mrs. Rehab Abd Elgillil Mohamed Abo Kahla | The Central Agency for Public Mobilization and Statistics (CAPMAS) | Senior Statistician, Sustainable Development Unit- The Focal point of indicator 6-5-1 | Rehab_ab@capmas.gov.eg Rehab.abdelgillil@gmail.com |

Other stakeholders engaged (not in workshops)

| Name | Organization/Position | Email address | Summary of inputs provided |
|------------|-----------------------|---------------|----------------------------|
| <u>N/A</u> | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

[Please note that this Annex is supplemented by information in Annex E of the SDG 6.5.1 survey, which reflects on the level of engagement from different stakeholder groups.]

Annex 2: Agenda

Workshop agenda
The final result of indicator 6-5-1
Concerning the degree of implementation of integrated water
resources management

On Tuesday, 16/01/2024
At Semiramis Intercontinental Hotel
Hall (Tiba)

| | Procedure | Timing | |
|------------------------|---|--------|-------|
| | | From | To |
| 1 | Registration | 9.30 | 10.00 |
| Opening remarks | | | |
| 2 | Dr. Khaled Abu Zaid Regional Director for Water Resources at the Center for Environment and Development for the Arab Region and Secretary General of the Egyptian (CEDARE) Europe Water Partnership | 10.00 | 10.10 |
| 3 | Dr. Walid Haqiqi Head of Planning Sector - Ministry of Water Resources and Irrigation | 10.10 | 10.20 |
| 4 | Mr. Mustafa Saad Badawi Head of the Economic and Mobilizational Statistics Sector Central Agency for Public Mobilization and Statistics | 10.20 | 10.30 |
| Coffee break | | 10.30 | 10.45 |
| 5 | Prof. Dr. Abdel Aziz Ibrahim Abdel Aziz Professor at the National Planning Institute Presentation of the first and second components of integrated water resources management | 10.45 | 11.45 |
| Coffee break | | 11.45 | 12.00 |
| 6 | Prof. Dr. Abdel Aziz Ibrahim Abdel Aziz Professor at the National Planning Institute Presentation of the third and fourth components of integrated water resources management | 12.00 | 1.30 |
| 7 | Approval of the final results of the index | 1.30 | 2.00 |
| Lunch break | | 2.00 | 3.30 |

Annex 3: Facilitator's Comments

The workshop discussed the aspects of indicator 6-5-1 Concerning the degree of implementation of integrated water resources management . The process worked well, and shade the light on each degree and justification for the different questions of the survey. There were many interventions from number of stakeholders such as (CAPMAS, Ministry of Water Resources and Irrigation, Ministry of Planning and Economic Development, Ministry of the Environment , Egyptian Water Partnership,.....).
The survey was clear and covered all aspects of water resources management .The workshop was conducted successfully and all survey questions were covered .

Annex 4: Photos

