

## Egypt-Wing National Workshop for Delta Alliances Activities

Tilted:

### Resilience of Nile Delta and Adaptation Options under Climate Change

Date: May 25, 2017

Place: Cairo – Pyramisa Hotel

Wing Members: National Water Research Center, Alexandria, Tanta & Kafr El-Sheikh Universities

Invited participants: total 70

	Sector	Name	No. of Participants
1	Egypt Wing	National Water Research Cener, Alexandria, Tanta & Kafr El-Sheikh Universities	10
2	Representative of the Delta Governorates	Qaluobiya, Monofiya, Gharbiya, Kafr El-Sheikh, Behara, Alexandria, Sharkiya, Dakahliya, Damiatta & PortSaid	10
3	Authorities	Egyptian Environmental Affairs, General Org. for Physical Planning, General Authority for Fish Resources Development, Remote Sensing Authority, Shore Protection Authority, Drainage Authorities, Transportation Authorities, Harbors Authorities, Planning Sector MWRI	10
4	Institutes	National Institute of Oceanography and Fisheries, Research and Studies Higher Institute, Surveying Research Institute, Climate Change Research Institute, Water Management Research Institute, PortSaid University, Arab Academy for Maritime and Technology	25
5	Companies	Water & Waste Water Holding company	3
6	Non-governmental Organizations	Water Users Associations, Fisheries Association, etc.	5
7	Private Sector	Farmers, Fisheries, Private Industries	5
8	International Org.	UNDP, GEF,	2

Place: Pyramisa Hotel, Cairo

Agenda:

- |             |  |
|-------------|--|
| 8:30-9:30   | Registration   |
| 9:30-10:00  | Opening Session  |
|             | H.E. Prof. Mohamed AbdelMotaleb President of NWRC, Prof. Mohamed Soliman – focal point of Delta Alliance-Egypt Wing, |
| 10:00-10:30 | Coffee Break   |
| 10:30-12:15 | Presentations of Current Activities, Delta Alliances Egypt Wing  |
|             | Prof. Haythem Awad, Alexandria Univ., Observation and Modelling of Exterm Weather on West Delta                      |
|             | Prof. Mohamed Soliman                      Adaptation of Climate Change , Coordinator of Egypt Wing                  |
|             | Prof. Ashraf ElAshaal                      Nile Delta Subsidence, observation and modelling                          |
|             | Prof. Khalid Zahran                      Monitoring of Nile Delta Subsidence   |
|             | Eng. Ibrahim Salman                      Enhancing Nile Delta against inundation                                     |
| 12:15-13:00 | Coffee Break   |
| 13:00-14:00 | Stakeholders Group discussion about participation of Egypt Wing Activities   |
| 14:00-14:45 | Group presentation and discussion  |
| 14:45-15:00 | Closing remarks  |
| 15:00-16:00 | Lunch  |



List of participants:

		Name	No.
1	Egypt wing	Prof. Mohamed AbdelMotalieb Prof. Mohamed Soliman Prof. Bakenaz Zidan Prof. Haytham Awad Eng. Mir Mokhtar	5
2	Representative of the Delta Governorates	Secretary General of the 10 Delta Governorates Qaluobiya, Monofiya, Gharbiya, Kafr El-Sheikh, Behara, Alexandria, Sharkiya, Dakahliya, Damiatta & PortSaid	10
3	Authorities	Dr. Mona Kamal, Dr. Sayed Ismail, Eng. Mohamed EEAA Dr. Asem ElGazar, GAPP Dr. Khalid AbdelAziz, Eng. Mona & Eng. Prof. Esam Khalifa, Eng. Ibrahim Salman Eng. Ahmed Fathi, Eng. Sayed Zayan Eng. Asrar Mowafi + Dr. Eman Elsayed	12
4	Institutes & Universities	Prof. Gad ElQadi + Prof. Ashraf Prof. Magdi Hosni + Dr. Hala Prof. Khalid KhairEldin + 2 candidates Prof. Hisham Mostafa + 2 candidates Prof. Tarek Elsamman, Eng. Ahmed Essam, Eng. Basem Mohamed Prof. Akram Fekry + Prof. Safaa Soliman, Eng. Karim Soliman Prof. Alaa Abdelmotalieb + Dr. AhmedAbdellah, Eng. Mohandad Zaghlool Prof. Mohamed Anwar, Eng. Ahmed, Eng. Eman (CRI) Dr. Medhat , Dr. Esam Fouad + Eng. Ahmed ElKot + 2 candidates	25
5	Companies	Eng. Mamdouh Raslan, Eng. Magdy Badawy,	5
6	Non-governmental Organizations	WUA of Beharia and Kafr ElSheikh Gov. Edko lake Fisheries Union,	7
7	Private Sector	Dina Farms, Representatives of Farmers Societies in Behara, West delta & Kafr ElSheikh regions	5
8	International Organization	Dr. Mohamed Bayoumi, UNDP Dr. Mohamed Ahmed Ali, GEF	2

Total Number of Participants in the workshop is 70.

The flyer of Delta Alliances was translated into Arabic and was printed and distributed to all participants, a soft copy is attached.

Photos of all workshop activities with brief description.



Opening session



Opening session



Participants at opening session



Prof. Hytham Awad during presentation



Eng. Ibraim Salman during presentation



Prof. Ashraf ElAshaal during presentation



Prof. Mohamed Soliman during presentation



Prof. Khalid Zahran during presentation





H.E. Prof. Abdelmotleb during presentation discussion



Farmers rising their concerns in Delta Water issues



Fishermen intervention in presentation discussion



young researcher participation



Experts contribution to discussion



Group discussion



Group discussion

## **Output of group discussion:**

### **Identify the problems facing development in the Nile Delta and the coastal area**

#### **Participants from the Nile Delta region:**

(state executive entities - expertise bodies - research centers and institutes - academic universities - beneficiaries - civil society - private sector)

#### **Problem description:**

1. Increase of population growth.
2. Increase of pollution (presence of pesticide residues in agricultural drainage - sewage).
3. Coastal erosion.
4. The impact of pollution on the development of fish resources.
5. Shrinking of water body in some lakes due to infringements.

#### **Constraints:**

1. lack of information needed for solving problems due to Lack of mechanisms for coordination and data sharing between competent authorities.
2. High cost for treatment of sewage and industrial wastewater.
3. Difficulty in separating agricultural drainage and industrial drainage.
4. lack of financing resources for projects.

#### **Localization of best practices:**

1. Education of children starting from the stages of primary schools.
2. Proper guidance of individuals.
3. enact legislation that includes severe penalties for violators.

#### **Some suggested solutions**

1. Constructing an updated database covering most of the delta areas where the problems exist.
2. Improving water quality in Manzala Lake as a first step, as it is considered the largest lake in fish production.
3. Launching the project of "dikes to protect the low areas from the sea flood".
4. Develop long-term research plans to address the problem of Delta inundation.
5. Using satellite imagery through inexpensive programs to monitor the changes that are constantly occurring.
6. Take advantage of the rainwater.
7. Use of integrated natural technologies such as wetlands as a technique to treat agricultural wastewater before discharged to lakes.
8. Adopting three-way wastewater treatment technology.

#### **Funding Resources**

Governmental, Grants, Loans