



Distr.  
LIMITED  
E/ESCWA/SDPD/2016/WG.3/L.1  
17 March 2016  
ORIGINAL: ENGLISH

**Economic and Social Commission for Western Asia (ESCWA)**

United Nations Development Account Project on Developing the Capacities of the Arab Countries for Climate Change Adaptation by Applying Integrated Water Resources Management Tools

Workshop on Climate Change Adaptation in the Environment Sector Using Integrated Water Resources Management (IWRM) and Ecosystem-based Management Tools  
Beirut, 22-24 March 2016

**AGENDA**

*Tuesday, 22 March 2016*

- 8:45 – 9:00      **Registration**  
*Please bring your passport, visa stamp and airline ticket stub with you to the meeting.*
- 9:00 – 10:00    **Opening and Introduction**  
Moderator: *Mr. Tarek Sadek, First Economic Affairs Officer, Water Resources Section, Sustainable Development Policies Division, United Nations Economic and Social Commission for Western Asia (ESCWA)*
- Ms. Roula Majdalani, Director, Sustainable Development Policies Division, ESCWA
  - Ms. Diane Klaimi, Regional Coordinator, Ecosystem Management, United Nations Environment Programme / Regional Office for West Asia (UNEP/ROWA)
- Tour de Table
- Overview on the UNDA Project and the Training Modules – *Mr. Tarek Sadek, ESCWA*
  - Objectives of the Workshop and Review of the Agenda – *Ms. Diane Klaimi, UNEP/ROWA*
- Discussion
- 10:00 – 11:00    **Session 1: Using RICCAR Outputs to inform Climate Change Adaptation related to Ecosystems in the Arab Region**  
Moderator: *Mr. Tarek Sadek, ESCWA*
- Overview of the Regional Initiative for the Assessment of the Impact of Climate Change on Water Resources and Socio-Economic Vulnerability in the Arab Region (RICCAR) and the Integrated Assessment Methodology – *Ms. Carol Chouchani Cherfane, Chief, Water Resources Section, Sustainable Development Policies Division, ESCWA*
  - Projected Impacts of Changes in Temperature, Precipitation, Wind, Dry conditions and Extreme Events on water-related ecosystems – *Mr. Fouad Abousamra, International Water and Environment Expert*

Tuesday, 22 March 2016, Continued

Discussion

11:00 – 11:30 Coffee break

11:30 – 12:15 **Session 2: Understanding What is a Catchment**

Moderator: *Ms. Diane Klaimi, UNEP/ROWA*

- Overview and Example – *Mr. Fouad Abousamra, International Water and Environment Expert*
- Example: Water Stewardship programme – *Mr. Assad Saadeh, Community Relations Manager, Water Resources, Nestle Waters Management and Technology*

12:15 – 13:00 **Session 3: Supporting Complementarity between IWRM and EBM**

Moderator: *Ms. Diane Klaimi, UNEP/ROWA*

Presenter: *Mr. Eric Hoa, Associate Programme Officer, Freshwater Ecosystem Unit (FEU), Division of Environmental Policy Implementation (DEPI), UNEP*

- Complementarity between EBM and IWRM as tools for Climate Change Adaptation
- Ecosystem-based Management Indicators

Discussion

13:00 – 14:30 Lunch Break

14:30 – 15:30 **Session 4: Structure and Function of Ecosystems**

Moderator: *Mr. Eric Hoa, UNEP*

Presenter: *Ms. Diane Klaimi, UNEP/ROWA*

- Structure of Ecosystems
- Function of Ecosystem
- Exercise

Discussion

15:30 – 16:00 Coffee Break

16:00 – 17:00 **Session 5: Understanding the Driving Forces-Pressures-States-Impacts-Responses (DPSIR) Model in Policy Planning**

Moderator: *Mr. Eric Hoa, UNEP*

Presenter: *Mr. Fadi Asmar, Ecosystem Management Expert*

- DPSIR Model
- Exercise

17:00 End of Day 1

- 9:00 – 9:45      **Session 6: States of Ecosystem Services and Functions**  
Moderator: *Mr. Tarek Sadek, ESCWA*  
Presenter: *Mr. Eric Hoa, UNEP*
- Determining Management Objectives
- Discussion
- 9:45 – 10:30      **Session 7: Understanding Current Conditions and Thinking like a Manager**  
Moderator: *Ms. Diane Klaimi, UNEP/ROWA*  
Presenter: *Mr. Fouad Abousamra, International Water and Environment Expert*
- Adaptive Management Cycle
  - Exercise
- 10:30 – 11:00      Coffee Break
- 11:00 – 12:00      **Session 8: Human Activities Central to Ecosystem Management for Climate Change Adaptation**  
Moderator: *Ms. Diane Klaimi, UNEP/ROWA*  
Presenter: *Mr. Fouad Abousamra, International Water and Environment Expert*
- Stakeholders Assessment
  - Exercise
- 12:00 – 13:00      **Session 9: Incentives and Tools for Local Scale Management**  
Moderator: *Ms. Diane Klaimi, UNEP/ROWA*  
Presenter: *Mr. Eric Hoa, UNEP*
- Overview of Tools and Incentives
  - Exercise
- 13:00 – 14:30      Lunch Break
- 14:30 – 15:30      **Session 10: Valuation of Ecosystem Services**  
Moderator: *Ms. Carol Chouchani Cherfane, ESCWA*  
Presenter: *Mr. Eric Hoa, UNEP*
- Methods for Valuating Ecosystem Services
- Discussion
- 15:30 – 16:00      Coffee Break

Wednesday, 23 March 2016, continued

- 16:00 – 17:00      **Session 11: Trade-offs and Goals for Ecosystem Management**  
Moderator: *Ms. Diane Klaimi, UNEP/ROWA*  
Presenter: *Mr. Fouad Abousamra, International Water and Environment Expert*
- Overview and Exercise
- 17:00                End of Day 2

**Thursday, 24 March 2016**

- 9:00 – 10:00      **Session 12: Presentation of Case Studies**  
Moderator: *Ms. Diane Klaimi, UNEP/ROWA*
- Sustainable Forest Management in a Catchment in Lebanon – How to Broaden the Thinking. *Mr. Fadi Asmar, Ecosystem Management Expert*
  - Catchment Management Using IWRM Tools in Lebanon. *Mr. Nadim Farajallah, Associate Professor, Faculty of Agriculture and Food Sciences, American University of Beirut*
  - Vulnerability Trends and Adaptation Measures in the Environment Sector, Case of Mauritania. *Mr. Mohamed Yahya Chahe, Head of Mission, Ministry of Environment and Sustainable Development, Mauritania*
  - Other Case Studies Presented by *Country Representatives*
- Discussion
- 10:00 – 11:00      **Session 13: Selecting Tools for Local Application**  
Moderator: *Ms. Diane Klaimi, UNEP/ROWA*  
Presenter: *Mr. Fouad Abousamra, International Water and Environment Expert*
- Overview and Exercise
- 11:00 – 11:30      Coffee Break
- 11:30 – 13:00      **Session 14: Monitoring and Evaluation**  
Moderator: *Ms. Carol Chouchani Cherfane, ESCWA*  
Presenter: *Ms. Diane Klaimi, UNEP/ROWA*
- Overview and Exercise
- 13:00 – 14:30      Lunch Break

Thursday, 24 March 2016, continued

- 14:30 – 15:30      **Session 15: Completing the Adaptive Management Cycle**  
Moderator: *Ms. Diane Klaimi, UNEP/ROWA*  
Presenter: *Mr. Eric Hoa, UNEP*
- Overview and Discussion
- 15:30 – 16:00      Coffee Break
- 16:00 – 16:45      **Session 16: Integration of Ecosystem Services in IWRM as Tools for Climate Change Adaptation**  
Moderator: *Mr. Eric Hoa, UNEP*  
Presenter: *Mr. Fouad Abousamra, International Water and Environment Expert*
- Overview and Discussion
- 16:45 – 17:00      Closing Session
- UNEP Closing Statement
  - ESCWA Closing Statement
- 17:00                End of Workshop