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Economic and Social Commission for Western Asia (ESCWA)

United Nations Development Account Project on Developing the Capacity of ESCWA Member Countries to Address the Water and Energy Nexus for Achieving Sustainable Development Goals

Regional Capacity Building Workshop on “Water-Energy Nexus Operational Toolkit: Renewable Energy” Beirut, Lebanon, 11-12 July 2017-UN House MZ-Hall.

DRAFT AGENDA

DAY 1 Tuesday July 11th 2017

8:30 – 9:00 Registration

A photographic identification card is needed to access UN House. Kindly allow time to collect your access card to the building.

Sponsored participants are kindly asked to bring their passports, visa stamp and airline ticket stubs with them on the first day of the meeting.

09:00 – 10:00 Opening Session and Introduction

09:00 – 09:10 Welcoming and Opening Remarks:
Ms. Carole Chouchani Cherfane, Chief, Water Resources Section, Sustainable Development Policies Division (SDPD), ESCWA

09:10 – 09:30 UNDA Project Background and Agenda of the Workshop
Ms. Radia Sedaoui, Chief, Energy Section, SDPD, ESCWA

Tour de Table (10 min.)

09:40 – 11:15 Session 1: Renewable Energy for Water and Wastewater Applications

Moderator: *Mr. Ziad Khayat, First Economic Affairs Officer, Water Resources Section, SDPD, ESCWA*

09:40 – 10:00 RE Technologies for Water and Wastewater Applications
Mr. Hassan Arafat, UN-ESCWA Consultant

10:00 – 10:10 Renewable Energy Applications in the Arab region
Ms. Bothayna Rashed, Economic Affairs Officer, Energy Section, SDPD, ESCWA

10:10–10:25 Energy Economic Potential of Utility-Scale Photovoltaics in the UAE
Mr. Hosni Ghedira, Director of UAE Research Center for Renewable Energy Mapping

10:25–10:40 Renewable Energy Opportunities in Oil and Gas – Oman Perspective
Ms. Syham Bentouati, Managing Director at NAFAS International LLC, Oman

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- 10:40–10:55 Sustainable Drinking Water Supply for Rural Areas and Displaced Communities
Mr. Nicola Somensari, Head of water Desert Technologies Factory Co. for Industry, KSA
- 10:55 – 11:15 Discussion and Q&A
- 11:15 – 11:30 Coffee Break**
- 11:30 – 13:00 Session 2: Renewable Energy in Electricity Production**
Moderator: *Mr. Joseph El Assad, Energy Advisor at the Ministry of Energy & Water, Lebanon*
- 11:30 – 11:50 RE Technologies for Desalination and Electricity Production
Mr. Hassan Arafat, ESCWA Consultant
- 11:50 – 12:00 UAE Water-Energy Nexus and Includes Renewables and Desalinations
Mr. Toufic Mezher, Professor, Masdar, UAE
- 12:00 – 12:15 Clean Water Scarcity in African Countries
Mr. Mohammed Nabih Gherradi, Chief Technology Officer, Desert Technologies Factory Co. for Industries, KSA
- 12:15 – 12:30 Renewable Desalination in the MENA Region
Mr. Jauad El Kharraz, Head of Research, MEDRC Water Research, Oman
- 12:30 – 12:40 Hydropower from Non-River Sources: The Potential in Lebanon
Mr. Karim Ossieran, Generation Advisor to the Ministry of Energy and Water, Lebanon
- 12:40 – 12:50 Water Desalination Project in Lebanon
Mr. Ahmad Itani, Managing Partner, Arison, Lebanon.
- 12:50– 13:00 Discussion and Q&A
- 13:00 – 14:00 Coffee Break**
- 14:00 – 15:55 Session 3: Water Energy Nexus –RE Case Studies**
Moderator: *Ms. Radia Sedaoui, Chief, Energy Section, SDPD, ESCWA*
- 14:00 – 14:10 Presentation of the Case Studies within Water-Energy Nexus Context
- 14:10 – 15:10 Breakout Workgroup Sessions
- Group 1: Renewable Energy Desalination**
Facilitator: Mr. Toufic Mezher, Professor, Masdar, UAE
- Group 2: Renewable Energy Use for the Power Sector**
Facilitator: Mr. Hassan Arafat, UN-ESCWA Consultant
- Group 3: Water-Energy Nexus in energy recovery from wastewater operations**
Facilitator: Ms. Syham Bentouati, Managing Director at NAFAS In. LLC, Oman
- 15:10– 15:40 Presentation by Each Working Group
- 15:40– 15:55 Discussion and Q&A
- 15:55 – 16:10 First day wrap up**

DAY 2: Wednesday, 12th July 2017

09:00 – 10:00 Session 4: Water –Energy Nexus Country Pilot Projects

Moderator: *Ms. Syham Bentouati, Managing Director at NAFAS International LLC, Oman*

09:00 – 09:15 Solar-Water Pump Pilot Project- Suwaydaa, Syria

Mr Younes Ali, General Director of National Energy Research Center (NERC)

09:15 – 09:30 Micro-hydropower Pilot Project- Tunisia

Mr. Henri Boyé, ESCWA Consultant

09:30 – 09:45 Solar-Water Pump Pilot Project- Egypt

Mr. Maged Safwat Sadek Morcos, Senior Engineer, Planning and Authorities, Ministry of Electricity and Renewable Energy

09:45 – 10:00 Discussion and Q &A

10:00 – 10:15 Coffee Break**10:15 – 12:00 Session 5: Key Performance Indicators and Financial Implication for the Water-Energy Nexus**

Moderator: *Ms. Radia Sedaoui, Chief, Energy Section, SDPD, ESCWA*

10:15 – 10:30 Key Performance Indicators and Financial Implications for the use of RE Technologies

Mr. Hassan Arafat, UN-ESCWA Consultant

10:30 – 11:30 Group discussion: RE Technologies – Indicators and Measuring Performance

11:30 – 12:00 Presentation of Outcomes of the Groups Discussion

12:00 - 13:00 Lunch Break and Group Photo

13:00 - 14:40 Session 6: Water Energy Nexus Countries Programs and Initiatives

Moderator: *Mr. Hosni Ghedira, Director of UAE Research Center for Renewable Energy Mapping*

13:00 – 13:10 Morocco - *Ms. Siham Laraichi, Head of Concessions and Partnership Service Ministry of Equipment, Transport and Logistics and Water, Morocco*

13:10 – 13:20 Sudan - *Mr. Abbas Babikir Ali, Director of Planning and Design Sector Ministry of Water Resources, Irrigation and Electricity, Sudan*

13:20 – 13:30 Jordan- *Mr. Muhieddin Tawalbeh, Manager of Energy Efficiency and Solar Thermal Division Royal Scientific Society, NREC, Jordan*

13:30 – 13:45 Coffee Break

13:45 – 13:55 Mauritania- *Mr. Lemhaba M'Hamed, Head of Energy National Office for Rural Water Service, Mauritania*

13:55– 14:05 Lebanon- *Mr. Nader Hajj Shehadeh, Principal Consultant Energy and Sustainability, OTB Consult, Lebanon*

14:05 – 14:15 *Libya- Mr. Mohammad Sidoon, Director of the Chairman Office of REAOL, Libya*

14:15 – 14:25 *Palestine- Mr. Ayman Ismail, General Director of Palestine Energy Authority, Palestine*

14:25 – 14:40 Discussion and Q&A

14:40 – 14:50 **Wrap-up of the Workshop and Way Forward**
Ms. Radia Sedaoui, Chief Energy Section, SDPD, ESCWA

14:50– 15:00 **Closing Statement**
Ms. Carole Chouchani Cherfane, Chief, Water Resources Section, Sustainable Development Policies Division (SDPD), ESCWA