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ECONOMIC AND SOCIAL COMMISSION FOR WESTERN ASIA

Expert Group Meeting on Implications of Groundwater Rehabilitation
for Water Resources Protection and Conservation
Beirut, 14–17 November 2000

ECONOMIC AND SOCIAL COMMISSION
FOR WESTERN ASIA
21-11-2000
LIBRARY & DOCUMENT SECTION

PROPOSED ORGANIZATION OF WORK

Monday, 13 November 2000

Arrival to Beirut
17:00-19:00

Early registration at the hotel

Tuesday, 14 November 2000

8:30-9:00

Registration at the UN house

9:00-9:30

Opening session (Agenda item 1)

- Chief, Energy, Natural Resources and Environment Division:
Mr. Omar Touqan
- Deputy Regional Director UNEP/ROWA
Mr. Habib El-Habr
- Executive Secretary of ESCWA
Mr. Hazem El-Beblawi
- His Excellency Minister of Energy and Water in Lebanon
Mr. Mohammad Abdel Hamid Baydoun

9:30-10:00

Coffee break

A. EGM ON "IMPLICATION OF GROUNDWATER REHABILITATION FOR WATER RESOURCES PROTECTION AND CONSERVATION"

THEME I. GROUNDWATER POLLUTION AND ITS IMPACT

*(Chair person: Mr. Hassan Hachem/MEW, Co-Chairperson: Mr. Jamil Al-Alawi/WWC,
Moderator: Mr. Mohamed Abdulrazzak/ESCWA)*

10:00 – 10:10

Adoption of the agenda and of the organizational matters
(Agenda items 2 & 3)

10:10-10:45

Implication of groundwater rehabilitation in ESCWA Region
(Ms. Rawya Kansoh/ESCWA, Agenda item 5-A-I)

10:45-11:15

Groundwater pollution by irrigated agriculture: A case study
(Mr. Walid Abdulrahman/UNDP/ROWA, Agenda item 5-A-iii)

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11:15-11:45	Aspect of groundwater quality in Lebanon (Ms. Mervat Kriedia/MEW – Lebanon, Agenda item 5-D-i)
11:45-12:15	Groundwater pollution from irrigation practices in the Arab Countries (Mr. Isam Mustafa/AOAD, Agenda item 7-i)
12:15-13:30	Open discussion
13:30-14:00	Break

Wednesday, 15 November 2000

B. EGM ON “IMPLICATION OF GROUNDWATER REHABILITATION FOR WATER RESOURCES PROTECTION AND CONSERVATION”

THEME I. GROUNDWATER POLLUTION AND ITS IMPACT (*continued*)

(Chairperson: Mr. Abdulatif Al-Mugrin/GCC, Co-Chairperson: Ms. Nicola Martin/BGR
Moderator: Ms. Rawya Kansoh/ESCWA)

8:30-9:00	Evaluating the potential of submarine springs: an unconventional groundwater sources for the coastal area of Lebanon (Mr. Mohammad Khawlie/NCRS, Agenda item 9-ii)
9:00-9:30	Issues in Groundwater Rehabilitation Projects (Mr. Omar Joudeh/ESCWA, Agenda item 5-A-ii)
9:30-10:00	Groundwater pollution: Environmental and Health Impact (Ms. May Al-Jurdi/UNEP/ROWA, Agenda item 5-c-i)
10:00-10:30	Group discussion
10:30-11:00	Break
11:00-11:30	General discussion

THEME II. GROUNDWATER REHABILITATION TECHNIQUES

(Chairperson: Mr. Abdulla Althary/Yemen, Co-chairperson: Mr. Walid Al-Zubari/UNEP-ROWA
Moderator: Mr.Ch. Weingran/BGR)

11:30-12:00	Burman, Underground Removal of Managese from Groundwater in Beheira Governorate, Egypt (Mr. Hassan Warda/BGR, Agenda item 5-B-v)
12:00-12:30	Flow and transport modeling (Mr. Klaus Schelkes/BGR, Agenda item 5-B-iii)
12:30-13:00	Saltwater intrusion in Hadeth aquifer of Beirut (Mr. Bernard Massaad/MEW, Agenda item 5-D-ii)
13:00-13:30	Break
13:30-14:00	Group discussion
14:00-14:30	General discussion

Thursday, 16 November 2000

C. EGM ON “IMPLICATION OF GROUNDWATER REHABILITATION FOR WATER RESOURCES PROTECTION AND CONSERVATION”

THEME II. GROUNDWATER REHABILITATION TECHNIQUE (continued)

*(Chairperson: Mr. Mohamed Al-Eryani/ESCWA, Co-chairperson: Ms. Mey Jurdi
Moderator: Mr. Peter Kessler/BGR)*

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| 8:30-9:00 | New Approach to groundwater rehabilitation
(Mr. Weingram/BGR, Agenda item 5-B-ii) |
| 9:00-9:30 | Groundwater Management in Middle East and North Africa
(Ms. Doris Koehn/World Bank, Agenda item 8-i) |
| 9:30-10:00 | Groundwater vulnerability to contamination in Central Beqa'a Plain
(Mr. Talal Darwish/NCRS, Agenda item 9-ii) |
| 10:00-10:30 | Group discussion |
| 10:30-11:00 | Break |
| 11:00-11:30 | General discussion |

THEME III. GROUNDWATER PROTECTION

*(Chairperson: Mr. Salim Macksoud, Co-chairperson: Mr. Walid Abdulrahman
Moderator: Mr. Hosny Khorague/ESCWA)*

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| 11:30-12:00 | Groundwater use and protection in Germany
(Mr. Kessler/BGR, Agenda item 5-B-i) |
| 12:00-12:30 | Guidelines for groundwater protection and pollution control in the GCC countries
(Mr. Walid AlZubari/UNEP-ROWA, Agenda item 5-c-ii) |
| 12:30-13:00 | Groundwater vulnerability mapping: decision support system in groundwater resources quality protection
(Ms. Nicola Martin/BGR, Agenda item 5-B-iv) |
| 13:00-13:30 | Break |
| 13:30-14:00 | Isotope studies for groundwater protection and pollution control
(Mr. Geyh/IAEA, Agenda item 9-ii) |
| 14:00-14:30 | Protection of water supply well field
(Mr. Saif Al-Shaqsi/MOW, Agenda item 6-i) |
| 14:30-15:00 | General discussion |

Friday, 17 November 2000

**D. EGM ON “IMPLICATION OF GROUNDWATER REHABILITATION FOR
WATER RESOURCE PROTECTION AND CONSERVATION”**

*(Chairperson: Mr. Touqan/ESCWA, Co-chairperson: Mr. Habib El-Habr/UNEP/ROWA
Moderator: Mr. Mohamed Abdulrazzak/ESCWA)*

8:30-9:00	Groundwater Pollution control and Protection (Mr. Mueller/BGR, Agenda item 5-B-vi)
9:00-10:00	Country papers presentation from Lebanon, Jordan (Agenda item 6-ii, iii)
10:00-10:30	Discussion
10:30-11:00	Break
11:00-12:00	Country paper presentation
12:00-13:00	Discussion of the meeting recommendation
13:00-13:30	Break
13:30-14:30	Adoption of recommendation (Agenda item 11)