



The Arab Center for
the Studies of Arid
Zones & Dry Lands
(ACSAD)
Damascus

Workshop on Decision Support Systems (DSS) for Soil and Water Resources Management

Damascus, 23-24 January 2006



The Federal Institute
for Geosciences &
Natural Resources
Hannover

PROGRAM	Monday 23.01.2006
8:00 8:30 – 9:00	Transfer Hotel – ACSAD headquarters in Douma Registration
OPENING CEREMONY	
9:00 – 9:45	<i>Adel Safar, Minister of Agriculture</i> <i>Dr. Farouk Saleh Fares, Director General of ACSAD</i> <i>Roland Seeger, Deputy Head of Mission, German Embassy</i> <i>Johannes Wolfer, Project Coordinator BGR</i>
INTRODUCTION	
10:00 – 10:45	WEAP21 – Software for water evaluation and planning, general concept, algorithms strengths & weaknesses <i>H. Hoff (Postdam University & PIK, Germany)</i>
10:45 – 11:00	Coffee Break
CATCHMENT STUDIES USING WEAP21	
11:00 – 11:30	Development of a DSS for IWRM in the Neckar basin, Germany – simulation of scenarios of the available water resources depending on the economic and climatic background (RIVERTWIN Project) <i>J. Goetzinger (Stuttgart University, Germany)</i>
11:30 – 12:30	Technical Cooperation Project for the development of a Decision Support System in the pilot areas of the Zabadani Basin, Syria and the Berechid Basin, Morocco <i>ACSAD/ BGR & Moroccan Counterparts</i>
12:30 – 13:00	GLOWA – Jordan River Project: project overview and an initial WEAP system for the Jordan River Basin; incl. the blue-green water concept <i>H. Hoff (Postdam University & PIK, Germany)</i>
13:00 – 13:45	Lunch
13:45 – 14:15	WEAP development for the eastern Jordan Valley <i>H. Hoff (Postdam University & PIK, Germany), A. Salman, I. Karablieh (Univ of Jordan/ GLOWA JR Project)</i>
14:15 – 14:45	Surface water management of the Upper Orontes Basin, Syria (TEMPUS Project) <i>A. Shaker (Baath University, Homs, Syria TEMPUS Project)</i>
14:45 – 15:15	Facilitating an informed decision for the Wadi Nar: Evaluation of treatment and reuse options for wastewater originating from East Jerusalem, Beit Lehem and Beit Sahur: Project overview and initial WEAP system (CollectiveWater Project) <i>S. Klawitter (Berlin University, Germany)</i>
20:30	WORKSHOP DINNER HOSTED BY ACSAD

Tuesday 24.01.2006

8:30	Transfer Hotel – ACSAD headquarters in Douma
OTHER DSS - APPLICATIONS	
9:00 – 9:30	A Decision Support System for water resources planning based on environmental balance. <i>A. Afify (Ministry of Water Resources and Irrigation, Egypt)</i>
9:30 – 10:00	A road map for developing strategic decision support systems for integrated water resources management in arid and semiarid zones <i>K. Khareidin (Ministry of Water Resources and Irrigation, Egypt)</i>
10:00 – 10:30	Decision Support System for the evaluation for environmental impact of irrigation projects <i>K. Abuzeid (CEDARE, Egypt)</i>
10:30 – 11:00	Development of a decision support system for integrated water resources management in Palestine <i>N. Rumman (House of Water and Environment, Palestine)</i>
11:00 – 11:15	Coffee Break
11:15 – 11:45	Sustainable water resources management of the Gaza Coastal Aquifer <i>A. Al Yaqoubi (Palestinian Water Authority)</i>
11:45 – 12:15	Groundwater modelling as a decision support system <i>W. Zubari (Gulf University, Bahrein)</i>
12:15 – 12:45	Operation of Dokan reservoir on lesser Zab, Iraq <i>A.I.F. Elobaidy (Ministry of Water Resources, Iraq)</i>
12:45 – 13:30	Lunch
ADDITIONAL MODELS	
13:30 -14:00	The GLOWA JR surface water models TRAIN (SVAT) and ZIN (rainfall-runoff) and the contribution of these models to WEAP <i>H. Hoff (Postdam University & PIK, Germany)</i>
14:00 -14:30	Runoff/ Infiltration Model implemented in the Digital Water Master Plan <i>A. Subah (Ministry of Water and Irrigation, Jordan)</i>
14:30 – 15:00	High-resolution runoff- and groundwater recharge simulation by a conceptual hydrologic model, Neckar River Basin, Germany <i>J. Goetzing (Stuttgart University, Germany)</i>
15:00 – 15:30	Pedotransfer functions for estimating water retention parameters <i>V. Hennings (BGR, Germany)</i>
COUNTRY EXPERIENCES	
15:30 – 16:00	Impact of Groundwater overexploitation in Djifar Plain, Libya
16:00 – 16:15	CLOSING SESSION