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**Organized by:**

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

[www.acsad.org](http://www.acsad.org)

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[www.bund.bgr.de](http://www.bund.bgr.de)

[www.acsad-bgr.org](http://www.acsad-bgr.org)

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**ACSAD-BGR Cooperation**

ACSAD and BGR have been jointly working in various cooperation projects since more than two decades. The project "*Management, Protection and Sustainable Use of Groundwater and Soil Resources*" has been launched in April 1999.

After developing and testing a user-friendly, efficient, inexpensive and easily sharable instrument for water management (Decision Support System, DSS) in the previous phase, the main objective of Phase IV (08/2008 – 07/2011) is to distribute it with regard to a more integrated water resources management among the countries and the respective institutions of the Arab region.

The application of a DSS for Soil and Groundwater Management will give decision makers the necessary insight into the current status and possible scenarios of the future development (e.g. population growth, climate change). Through visualizing and discussing the current status and future scenarios with the relevant stakeholders, jointly decided and accepted water shares can be fixed. This will reduce the conflict between concurrent water-users and will lead to a sustainable management of limited water resources for the current and future hydrologic years

A report on the DSS-application of 2 pilot studies:

- Zabadani Basin, SYRIA
- Berrechid Basin, MOROCCO

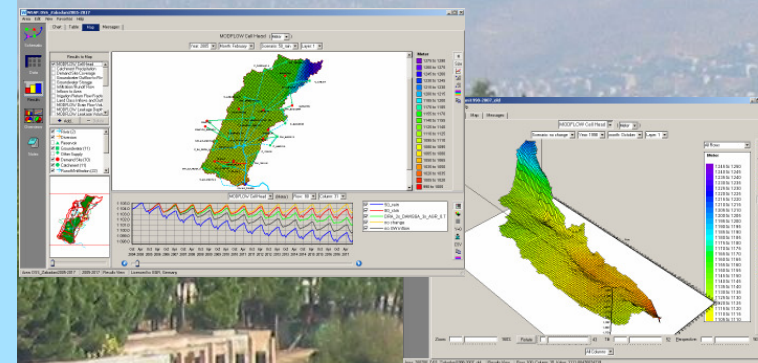
as well as other documentations (report on vulnerability mapping of the Zabadani Basin, DSS-helper tools and Tutorial materials) can be downloaded from [www.acsad-bgr.org](http://www.acsad-bgr.org).

Regional Conference:

## Applying WEAP as a Decision Support System (DSS) for IWRM

25 – 27 May 2009

Damascus, SYRIA



organized by  
The Arab Center for the Studies of  
Arid Zones and Dry Lands (ACSAD)

&

German Federal Institute for  
Geosciences and Natural Resources (BGR)



**WEAP applications in the field of:**

- Water Planning
- Transboundary Water Policy
- Climate Change Studies
- Socio-economic Applications
- River Ecosystem
- Water Utilities
- Water Rights Administration
- Water Quality
- Safe Yield Analysis
- Multi Criteria Decision Analysis/  
Optimization Modeling
- Watershed Management
- Groundwater Recharge Modeling
- Irrigation Demand and Supply Modeling
- Groundwater Flow Model Integration  
(WEAP-MODFLOW-coupling)
- Reservoir Management

**Call for Papers till 01.04.2009**

Water Resources are very scarce in the Arab region. Recent climate change models predict for the future years even more severe conditions, due to increasing temperatures and decreasing precipitation.

Therefore it is important that water resources are managed carefully in a sustainable way following the IWRM concept. This is a very difficult task and reliable tools are needed to support the management and planning.

In most countries of the region the key problem is the limited knowledge of the hydrological system and thus the water resources are not well evaluated. The impact of the limited knowledge and management of the resources is often overexploitation and water quality deterioration.

ACSAD, BGR and SEI have jointly improved and applied such an IWRM-tool by combining WEAP [www.weap21.org](http://www.weap21.org) and MODFLOW2000 [water.usgs.gov/nrp/gwsoftware/modflow.html](http://water.usgs.gov/nrp/gwsoftware/modflow.html).

Various other institutions, researchers and projects have been applying WEAP as a Water Management and Planning tool in the region and beyond.

The aim of the conference is to share this information between all interested people in the region and to start a user network to improve jointly the IWRM by applying and sharing powerful support tools like WEAP and respective experiences.

The organizers are encouraging people from the region and beyond to present their case studies at the conference. Presentations will be 25 minutes, followed by 5 minutes discussion. The full papers need to be send in by 01.04.2009. Depending on the acceptance of the paper the organizers can sponsor the respective presenter by refunding travel and accommodation costs.

**Conference Dates:** 25. – 27.5.2009

**Deadline for Papers:** 01.04.2009

Full papers need to be send in English as MS-Word or PDF-file via email to [water\\_dep@acsad.org](mailto:water_dep@acsad.org) and in CC to [j.wolfer@bgr.de](mailto:j.wolfer@bgr.de)

**Acceptance of Papers:** 15.04.2009

**Application Deadline:** 20.4.2009

**Conference Cost:** the conference itself will be free of charge. For presenters of accepted papers travel and accommodation expenses can be refunded by the organizers.

**Conference Venue:** Damascus, SYRIA, exact address will be announced by April 2009.

**Conference Language:** English

**Organizing Committee:**

Dr. Abdallah Droubi, ACSAD  
Johannes Wolfer, BGR  
Dr. Radwan Al-Weshah, UNESCO  
Dr. Ahmad Ali Ghosn, UNEP  
Dr. David Purkey, SEI

**Scientific Committee:**

Dr. Mahmoud Al Sibai, ACSAD  
Dr. Jihad Al Mahamid, ACSAD  
Johannes Wolfer, BGR  
Dr. Volker Hennings, BGR  
Jack Sieber, SEI



## Arab – German Cooperation



### Regional Conference Applying WEAP as a Decision Support System for IWRM 25 – 27 May, Damascus, Syria

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BGR: Johannes Wolfer [j.wolfer@bgr.de](mailto:j.wolfer@bgr.de)

**APPLICATION FORM (SEND IN BEFORE 20.4.2009)**

Full Name						
First Name						
Nationality						
Occupation/ Position						
Institution						
Cooperation/Research Project Member of						
Funded by other project/ institution	YES	<input type="checkbox"/>	<i>mark by X</i>	NO	<input type="checkbox"/>	
Address (street, city, country)						
Phone						
Fax						
Email						
Hotel reservation needed	from		to		nights	
		DD/MM/YYYY		DD/MM/YYYY		

I herewith apply to the Conference by sending this application form to the ACSAD Water Division: [water\\_dep@acsad.org](mailto:water_dep@acsad.org) and in CC to [j.wolfer@bgr.de](mailto:j.wolfer@bgr.de)

I will organize my travel and visa issues by myself, the organizers can help in getting a hotel reservation.

I submitted a paper and apply herewith to be refunded by the organizers for the respective standard travel and accommodation expenses (decision by the organizer by 15.4.2009).

I only want to attend the conference and will cover all my expenses on my own.

mark by X

\_\_\_\_\_  
Date/ City

\_\_\_\_\_  
Signature of participant