

COLLEGE OF AGRICULTURE & LIFE SCIENCES

COOPERATIVE EXTENSION

# **Technology and Cooperation**

Sharon B. Megdal, Ph.D. smegdal@email.arizona.edu Israeli and Palestinian Waterways Conference UC Berkeley Institute for Jewish Law and Israel Studies. March 11, 2014



wrrc.arizona.edu

# Technology is part of the solution to water scarcity

Abraham Tenne April 2011 Yuma, Arizona

STATE OF ISRAEL



VATER RESOURCE

Volume 17, Number 4

#### Arizona, Middle East Water Issues Focus of WRRC Workshop

Arizona, Israel, Palestinian Territories Share Common Concerns.

The Accorna-Israeli-Palestinian Water Management and Policy Workshop (AzIP for short), a Water Resources Research Center project that

vas two and shaff years in a shaff year in a shaff year in a shaff year a shaff

and semi-aid regions. Workshop participants, including managem, NGO expesentimes, students and scholars from a range of disciplinar worked together to better undetrained vaster management challenges and to consider rolations as well as build the groundwork for finne collaboration on projects and programs. The workshop was conducted Aug. 51 to Sept2.1 Theseon.

In some ways, this commitment might appears to brack are pround for WRAG. Woh the event, WRAC holes beyond Asizona and the Wrat, tip primary geographical seas of interest, to participate an a weakhoop feanting Model East ware affair. This wise however, overlooks commondists among the registratacismon, brate and the Platstimm Territories are addysemi-and lands, and they confront smaller water concerns. Rather than breaking new ground, the workshop was an expectangle for WRAC to view Adrama and regolard water issues in an international or global context. Further, what way gined at the workshop

The sum, their upper and resumes not to the approximation of the second second

Complexing there unk are the formaliship policial issues that months few servers, and much des in the Middle Tack Arises aware affinis, no, are marked by the need to consider and seguitate the servers of a servers, are reactive, particularly anglebosing desired and the servers of the servers of the servers of the methods are to contrad with the versiones, it glably thanged policial climate prevaling in the Middle East. The logistical climate prevaling in the Middle East. The servers of the servers of the servers of the servers that the servers of the servers of the servers of the bars fit by premuting passes. By working together antisonal, collaborative means are defined of a stategy to interpolation were servered program, workshop and the servers of the servers of the servers of the servers of the matter of the servers of the servers of the servers of the servers of the matter of the servers of the servers of the servers of the servers of the matter of the servers o

promote understanding and peace.



The bands Glain Andenby well the above phote in a capacity to rearrange photophilic american the managing included proveding your conserved any of elementary above, involving the photophilic note and dambieding water conservation above. Lineal proverties a title ASP workshop and the articlica image in downed by the conservation of dwarfs in the overation. Dample areas and ab issues of a source above by a start the regione participating in the workshop. Arrayses, Lineal and the Productione: Territories.

 Water saving and efficient use of water.
Water wells purification and aquifers water quality improvement.

Increasing capacity of waste water treatment and upgrading effluent quality.

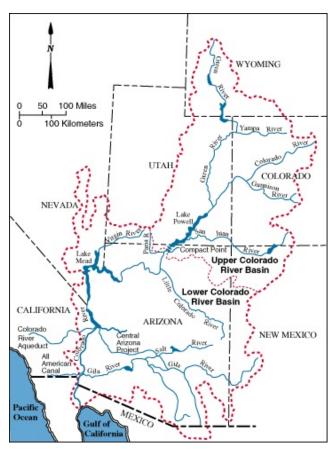
✤ Desalination.

WATER AUTHORITY



## Challenges to Cooperation

#### **Colorado River Basin**





THE WATER AUTHORITY

MINISTRY OF FINANCE CUSTOMS AND V.A.T. V.A.T. AND PURCHASE TAX TEL-AVIV

RY OF EDUCATION, CULTURE & SPORTS ISRAEL SPACE AGENCY CULTURE AUTHORITY SPORTS AUTHORITY משרד המדע, התרבות והספורט סוכנות החלל הישראלית מינהל התרבות מינהל הספורט

הרשות הממשלתית למים ולביוב

משרד האוצר

אגף המכט והמע"מ

מע"מ ומט קניה תל-אביב



## The International Boundary and Water Commission (ibwc.gov)

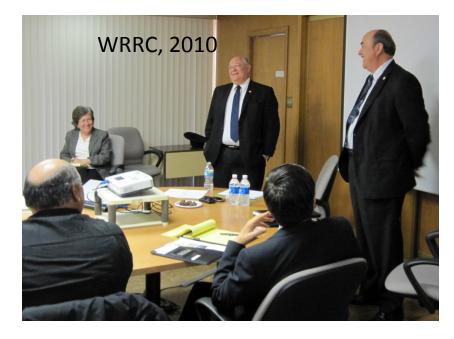
MX Commissioner Roberto Salmon





US Commissioner Edward Drusina





### **Cooperative framework adopted by the IBWC in August 2009 has guided development of aquifer reports for the Santa Cruz and San Pedro aquifers**

Development of the cooperative framework took considerable time.



Photo taken 19 August 2009





TAAP Workshop and Binational Advisory Committee meeting

### Minute 319: Historic agreement signed in November 2012 to share Colorado River shortage and surplus and address Colorado River Delta ecosystem

The Colorado River Delta Ecosystem





#### Photo Courtesy of Bryce Emily Megdal





#### Shared Borders Shared Waters



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#### פתרון החירום לביוב נחל שכם Emergency Solution for the Sewage from the Nablus Stream

