



INTERNATIONAL ARID LANDS CONSORTIUM (IALC): A HISTORY OF CONTRIBUTIONS & COMMITMENT

Promoting Peace Through Collaborative Research
and Development



**JEWISH
NATIONAL
FUND
USA**

- Jewish National Fund has planted more than 260 million trees all over Israel, providing belts of green covering more than 250,000 acres.



- JNF has built 250 reservoirs which store recycled and runoff water for both local and regional communities.



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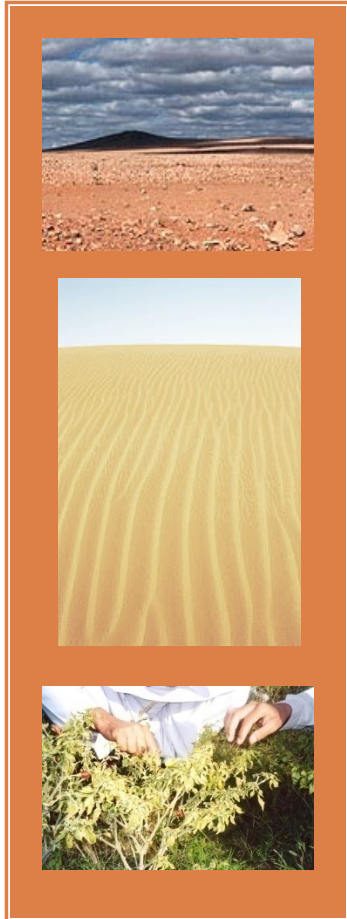


- Formed in 1989 as an independent, non-profit organization
- Authorized by Congress in the 1990 Farm Bill & reauthorized in 1995 and 2008
- Collaborative partnership
 - ▣ U.S. universities & institutes
 - ▣ Jewish National Fund
 - ▣ Higher Council for Science & Technology, Jordan





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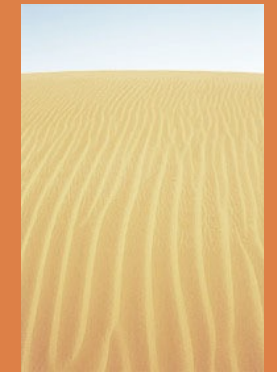
- **Since 1993 the IALC received more than \$20M to:**
 - Carry out research, demonstration and development projects in collaboration with host countries
 - Facilitate development & capacity building using a research, evidence-based approach
 - Work for sustainable solutions to food, land, and water resource challenges





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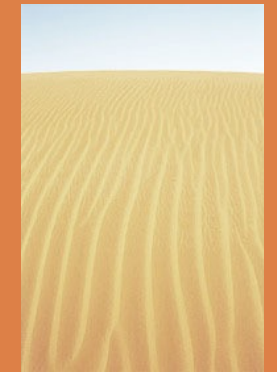
□ IALC Funded Projects Supported:

- 91 research projects
 - 36 demonstration projects
 - 11 special initiatives
 - 10 seed grants
- Totaling \$11.8M for competitive grants



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□ IALC Peace Fellowship Program

- 19 graduate and undergraduate students participated
 - 14 students from the U.S. conducted research in Israel or Jordan
 - 5 students from Israel and Jordan conducted research at one of the U.S. member institutions





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In 2000, the collective expertise of the IALC supported an extensive USAID initiative:

- “Sustainable Development of Drylands in Asia & the Middle East”
(USAID Cooperative Agreement; 2002-2010)
 - Improved use and re-use of water at the farm, community, and regional levels
 - Human and institutional capacity development in agriculture and conservation
 - Technologies to support sustainable arid lands development
- Countries: Pakistan, Afghanistan, Jordan & Yemen



Sustainable Development of Drylands in Asia & the Middle East

- **Jordan Water and Environment Component on Wastewater and Bio-Solids**
 - Recycled water plant in Wadi Musa (outside of Petra)



Sustainable Development of Drylands in Asia & the Middle East

- **Human Capacity Building Accomplishments (UIUC)**
 - ▣ Northwest Frontier Province Agricultural University, Peshawar, Pakistan
 - ▣ Kabul University, Nangarhar University, Balkh University, and Ministry of Agriculture, Afghanistan
 - 400+ persons trained (train-the-trainer methods); including 44 women
 - 23 technical courses conducted
 - 24 scientists trained
 - 10,000 textbooks distributed
 - University-level capacity building



Sustainable Development of Drylands in Asia & the Middle East

- **Agri-Business and Marketing Components (NMSU, BRDC, and UIUC)**
 - Technical assistance to cooperatives in marketing produce
 - Linking farmers to markets



Sustainable Development of Drylands in Asia & the Middle East

Library Rebuilding Project in Afghanistan (2003-07)



Phase 1: Created the first academic electronic library in Afghanistan, Kabul University, Faculty of Agriculture



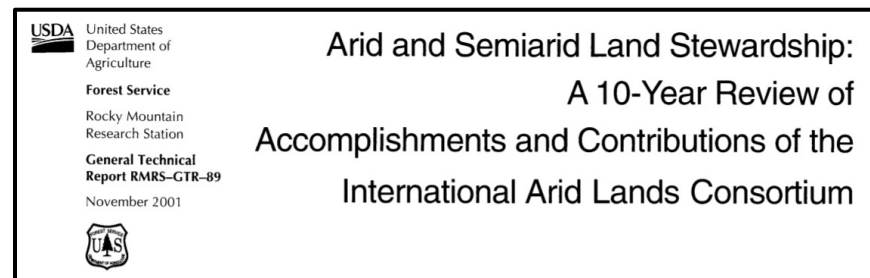
Phase 3 : Expanded to Nangahar Province

Phase 2: Trained field coordinator, installed additional equipment, planned for expanded electronic library rebuilding including regional universities



Contributions to Scientific Community

- 225 referred journal articles
- 63 books, master's theses and doctoral dissertations
- 135 presentations at conferences, symposia and workshops
- Numerous technical and journal articles related to IALC activities





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Thank you!

Please Visit IALC.world

Identifying solutions to food, land, and water challenges in arid lands

The International Arid Lands Consortium (IALC) has worked for more than 25 years on international and interdisciplinary research, development, and demonstration projects as well as faculty and student educational programs, exchanges, workshops, conferences, and distance learning opportunities. Collectively, the IALC's research and development interests focus on the people living in arid and semi-arid regions.

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