Future Harvest Consortium to Rebuild Agriculture in Afghanistan (FHCRAA):
An Overview
In January 2002, ICARDA, with the support of the USAID, brought together 34 organizations including the CGIAR centers and other research institutes, relief and development organizations, NGOs, U.S. universities, donor agencies, and the Afghanistan Ministry of Agriculture at a meeting in Tashkent, Uzbekistan. The result was the creation of the Future Harvest Consortium to Rebuild Agriculture in Afghanistan (FHCRAA).
Consultative Group on International Agriculture Research (CGIAR)

CGIAR is a strategic alliance of countries, international and regional organizations, and private foundations supporting 15 international agricultural centers that work with national agricultural programs and civil society organizations including the private sector.
The World Bank, the Food and Agriculture Organization of the United Nations (FAO), the United Nations Development Program (UNDP), and the International Fund for Agricultural Development (IFAD) are cosponsors of the CGIAR. The World Bank provides the CGIAR with a System Office in Washington, DC.
The CGIAR Centers

ICARDA
Aleppo, Syrian Arab Republic

IFPRI
Washington D.C., United States

CIMMYT
Mexico City, Mexico

CIAT
Cali, Colombia

CIP
Lima, Peru

IPGRI
Rome, Italy

IITA
Ibadan, Nigeria

WARDA
Bouake, Côte d'Ivoire

ICRISAT
Patancheru, India

IWMI
Colombo, Sri Lanka

ILRI
Nairobi, Kenya

ICLARM
Penang, Malaysia

IRRI
Los Banos, Philippines

ICRISAT
Nairobi, Kenya

CIFOR
Bogor, Indonesia
FHCRAA MEMBERS: CGIAR Centers

- International Center for Agricultural Research in Dry Areas (ICARDA)
- International Center for Tropical Agriculture (CIAT)
- International Center for Tropical Agriculture (CIAT)
- International Center for Maize and Wheat Improvement (CIMMYT)
- International Potato Center (CIP)
FHCRAA MEMBERS: CGIAR Centers

- International Crops Research Institute for the Semi-Arid Tropics (ICRISAT)
- International Food Policy Research Institute (IFPRI)
- International Livestock Research Institute (ILRI)
- International Plant Genetic Resources Institute (IPGRI)
- International Water Management Institute (IWMI)
FHCRAA MEMBERS

- World Vegetable Center (AVRDC)
- International Center for Development Oriented Research in Agriculture (ICRA)
- International Fertilizer Development Center (IFDC)
- Ministry of Agriculture and Irrigation (MAI)
- AKDN
- MADERA
- MC
FHCRAA MEMBERS

- ACTED; DACAAR
- FOCUS; ISRA
- FAO; WFP
- Texas A & M University, Cornell University,
- University of California, Davis; Michigan State University
FHCRAA Donors

- USAID
- IDRC
- DFID
- JICA
- OPEC Fund for International Development
Objectives of FHCRAA

- Multiply and deliver quality seed of adapted varieties through effective delivery systems to reach affected farmers in time, and to build, with Afghan partners, an efficient regulatory system that enforces standards and promotes the use of high quality seed and varieties.

- Establish a framework and strategy for CGIAR technical assistance, in cooperation with partners, for the development of seed systems and sustainable agricultural production systems in Afghanistan at the central, regional, and local levels.

- Restore an enabling environment through capacity building.
H.E. Mr. Hamid Karzai, President of Afghanistan, discussed the status of agriculture in his country and the work of the FHCRAA, with ICARDA Director General, Prof. Dr Adel El-Beltagy, in Kabul on 7 October 2002.
ICARDA Director General, Prof. Dr Adel El-Beltagy met with H.E. Dr Abdullah Abdullah, Minister of Foreign Affairs, discussed ways to strengthen the activities of FHCRAA and achieve the goal of rebuilding agriculture in Afghanistan more effectively and speedily.
First Steering Committee Meeting of FHCRAA held during August, 2002 at ICARDA Head Quarters at Aleppo, Syria,

Government of Afghanistan was represented by H.E. Deputy Minister Mohammad Sharif
H. E. Mr Sayed Hussain Anwari (right), Minister of Agriculture, Afghanistan, and Prof. Dr Adel El-Beltagy, Director General of ICARDA, signed a comprehensive agreement of collaboration when the Minister visited ICARDA in July 2002
During 2002, the Consortium procured 3500 tons of improved wheat seed and coordinated its transport and distribution to around 70,000 farm families. ICARDA also distributed paddy, mung bean, flax, sesame, chickpea, lentil, and vetch seed to farmers.
Farmers benefited from internal investment, training, access to high quality seed, and a reduced risk of importing pests. The seed cleaning and distribution operations also provided a source of income for Afghans living in the surrounding villages. More than 300 women were employed to clean the seed.
REHABILITATING RESEARCH CAPABILITY

During the civil war, Afghanistan losts its research stations and the national genebank that held the country's agricultural heritage. ICARDA, with help from USAID, rebuilt five agricultural stations in five provinces: Kabul, Baghlan, Kunduz, Takhar, and Nangarhar
Badam Bagh seed testing station, near Kabul—before (left) and after refurbishing
PRESERVING THE GENETIC HERITAGE

Germplasm from Afghanistan preserved in the genebank of the Consortium members of the CGIAR

<table>
<thead>
<tr>
<th>Cent</th>
<th>Crop collections</th>
<th>Number of accessions</th>
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<tr>
<td>CIAT</td>
<td>Beans</td>
<td>73</td>
</tr>
<tr>
<td>CIMMYT</td>
<td>Maize, wheat</td>
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<tr>
<td>ICARDA</td>
<td>Genetic resources collection, wheat, lentil, chickpea, forage legumes</td>
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<td>ICRISAT</td>
<td>Chickpea, small millets, sorghum</td>
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<td>IITA</td>
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<tr>
<td>ILRI</td>
<td>Genetic resources collection</td>
<td>23</td>
</tr>
<tr>
<td>IRRI</td>
<td>Rice collection</td>
<td>69</td>
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</table>
ESTABLISHING REGULATIONS FOR THE SEED INDUSTRY

In May 2002, more than 80 participants helped develop a Code of Conduct for seed production and marketing. The Code takes into account Afghanistan's specific conditions while urging the nation to participate in developments in the seed industry taking place around the world.
Eight short-term, high-impact projects funded by USAID complemented other efforts to shift Afghanistan from emergency relief to an economically productive, sustainable, and diverse rural economy. ICARDA managed this grant program.
SHORT-TERM, HIGH-IMPACT PROJECTS

POTATO SEED PRODUCTION AND MULTIPLICATION
The International Potato Center (CIP) increased the supply of virus-free potato seed in Afghanistan by developing a farmer-based seed multiplication system. The project successfully trained farmers and introduced new high yielding and disease resistant varieties.
SHORT-TERM, HIGH-IMPACT PROJECTS

- SUSTAINABLE MAIZE SYSTEMS: SEEDS FOR PEACE
- BUILDING HUMAN RESOURCE CAPACITY IN WHEAT AND MAIZE RESEARCH
- RANGELAND INFORMATION PRODUCTS FROM REMOTELY SENSED IMAGERY
- AGRICULTURAL PRODUCTION ON DEGRADED/SALINE LAND
- FARM WATER MANAGEMENT AND IRRIGATION
SHORT-TERM, HIGH-IMPACT PROJECTS

- BEST MANAGEMENT PRACTICES FOR WATER AND SOIL
- BUILDING CAPACITY TO CONTROL SUNN PEST INFESTATIONS
Third Steering Committee
February 2005
USAID-RAMP PROJECTS

- DEMONSTRATING NEW TECHNOLOGY IN FARMERS' FIELDS TO FACILITATE RAPID ADOPTION AND DIFFUSION
- DEVELOPMENT OF VILLAGE-BASED SEED ENTERPRISES (VBSEs)
- INTRODUCING PROTECTED AGRICULTURE FOR CASH CROP PRODUCTION IN MARGINAL AND WATER-DEFICIT AREAS OF AFGHANISTAN
CLEAN SEED PRODUCTION, MULTIPLICATION AND MARKETING FOR INCREASED POTATO PRODUCTION IN AFGHANISTAN
DFID, IDRC, OPED-Fund Projects

- RESEARCH IN ALTERNATIVE LIVELIHOODS FUND (RALF)
- STRENGTHENING SEED SYSTEMS FOR FOOD SECURITY IN AFGHANISTAN
- COMMUNITY-BASED RESEARCH ON AGRICULTURAL DEVELOPMENT AND SUSTAINABLE RESOURCE MANAGEMENT IN AFGHANISTAN
FHCRAA: Ever growing family

- International Center for Research in Agro-forestry Research
- Perdue University?
FHCRAA and RALF

ICARDA
CIMMYT
CIP
DACCAR

Agriculture and Irrigation--------
FHCRAA : Message of the Minister

“The Afghanistan Ministry of Agriculture is with you in bringing back the country on international agricultural map.”

H.E. Mr. Obaidullah Ramin

Inaugurating the third Steering Committee of FHCRAA
Thank You