

Project Portfolio

LIBYA				
Project title	Funding Partners	Time Scale	Total Budget	Description
I. PROJECTS RECENTLY IMPLEMENTED				
Mapping of Natural Resources for Agricultural Use and Planning	UNDP	2003-2008	US\$ 3.3 million	Establishment of a GIS supported database of natural resources
Wadi Gattara Dam Rehabilitation	Libyan Arab Jamahiriya	2000-2004	US\$ 30 million	Water storage for irrigation purposes
Wadi Al-Wishka Dam	Libyan Arab Jamahiriya	2004-2006	US\$ 5 million	Water Storage for flood protection and groundwater recharge
Dam Site Studies	Libyan Arab Jamahiriya	2000-2005	US\$ 5 million	Final studies and detailed design of dams in northern Libya
Drilling of Exploratory Wells	Libyan Arab Jamahiriya	2000-2020	US\$ 80 million	Hydrogeological investigations and monitoring networks
Soil and Water Studies of SW region	Libyan Arab Jamahiriya	1990-2001	US\$ 0.8 million	Soil mapping,hydrogeological and geological investigations
Hydrogeological Investigations of Sarir Tibesti	Libyan Arab Jamahiriya	2001-2008	US\$10 million	Reconnaissance drilling and hydrogeological studies
Groundwater Vulnerability Studies	Libyan Arab Jamahiriya	2001-2008	US\$ 0.2 million	Assessment and mapping of aquifers to determine vulnerability to pollution

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II. ON-GOING PROJECTS				
Development of a Seed and Propagation Material System in Libya	Libyan Arab Jamahiriya	2005-2010	US\$ 11.8 million	Support and strengthening of the seed sector development
Wadi Talal Flood Management	Libyan Arab Jamahiriya	2007-2009	US\$ 8 million	Flood control of Sirte city
Wadi Abu-Shayba & Al-Rumman Dams	Libyan Arab Jamahiriya	2007-2010	US\$ 34 million	Water storage for irrigation and flood protection purposes
Wadi Ahmar Dam	Libyan Arab Jamahiriya	2008-2010	US\$ 22 million	Water storage for irrigation and flood protection purposes
Wadi Derna Dams Rehabilitation	Libyan Arab Jamahiriya	2008-2010	US\$ 30 million	Water storage for irrigation, water supply and flood protection purposes
Soil and Water Studies of SE Region	Libyan Arab Jamahiriya	1990-2008	US\$ 3 million	Soil mapping, hydrogeological and geological investigations
Shared Aquifer Studies	Libyan Arab Jamahiriya, UN	2000-2008	US\$ 6 million	Water resources assessment, modeling, data base, consultation mechanism
Karst Spring Studies in Eastern Region (Ayn Zayana)	Libyan Arab Jamahiriya	2007-2009	US\$ 1.6 million	Study of the flow regime of the karst system in the eastern zone
Study of the Coastal Under-sea Karst Springs	Libyan Arab Jamahiriya	2007-2009	US\$ 6 million	Determination of the occurrence of under-sea fresh water springs
Study of Evapotranspiration in the Coastal Sabkhas and Dam Reservoirs	Libyan Arab Jamahiriya	2008- 2010	US\$ 0.4 million	Quantification of evapotranspiration
Electronic Archiving and Construction of Water Resources Data Bases	Libyan Arab Jamahiriya	2005-2009	US\$ 0.8 million	Digitizing of hard copy reports and data sheets, maps, reports and design and operation of data bases.
Study and Inventory of Irrigated Areas, Phase I	Libyan Arab Jamahiriya	2003- 2009	US\$ 0.2 million	Use of remote sensing images to define areas under full irrigation by season, south of latitude 29N.
Evaluation of Irrigation Systems	Libyan Arab Jamahiriya	2004-2009	US\$ 0.3 million	Evaluation of the performance of the different irrigation techniques applied in Libya
Application of GIS in Irrigation	Libyan Arab Jamahiriya	2003-2009	US\$ 0.3 million	Use of GIS in the fields of irrigation and drainage.
Rehabilitation of Rajmah Irrigation Scheme	Libyan Arab Jamahiriya	2002-2009	US\$ 4 million	Renovating the irrigation equipments, network, water storage at Benghazi area
South Jabal Akhdar Irrigation Project	Libyan Arab Jamahiriya	2005-2010	US\$ 20 million	Land reclamation and installation of irrigation systems, wells, reservoirs...
Soil Mapping of Central Zone	Libyan Arab Jamahiriya	2008-2010	US\$ 5 million	Production of soil maps for an area of 1.5 million hectares located between Misratah and Sirte
Study and Inventory of Irrigated Areas, Phase II	Libyan Arab Jamahiriya	2003- 2009	US\$ 0.2 million	Use of remote sensing images to define areas under irrigation north of latitude 29N

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III. PIPELINE PROJECTS				
Food Security Scheme (Wheat, Dates & Olives, Seed Production)	FAO-NEPAD, Government, Private Sector	5 years	US\$ 1 031 million	Objective: to improve national food security by increasing production of seeds, wheat, olives and dates. Components: (i) increased wheat production based on rehabilitation and expansion of cropped areas, (ii) increased olive production and processing, (iii) increased date palm production, preparation and storage, and (iv) increased seed production for cereals, vegetables and forage crops.
Great Man Made River	Proposed : Government, national and international private investors		US\$ 325 million	The project aims at creating a huge network that will supply a total of 6.0mm ³ / day of fresh water, with 30% allocated for domestic and industrial use and 70% to irrigate around 200 000 hectares of existing and newly reclaimed agriculture land.
Wadi Derna Water Collection Project	Libyan Arab Jamahiriya	2009-2010	US\$ 8 million	Water collection and storage for water supply purposes
Wadi AL-Khalij & AL-Muallaq Dams	Libyan Arab Jamahiriya	2009-2011	US\$ 20 million	Water storage for irrigation and flood protection purposes
Wadi Zaghadah and Shuhbayyin Dams	Libyan Arab Jamahiriya	2009-2011	US\$ 40 million	Water storage for irrigation and flood protection purposes
Wadi Turghat, Qirrim and Ghanima Dams	Libyan Arab Jamahiriya	2010-2012	US\$ 27 million	Water storage for irrigation purposes
Capacity Building	Libyan Arab Jamahiriya, UN	2009-2012	US\$ 2 million	Training GWA staff members in different fields of water resources management
Shared Aquifers	Libyan Arab Jamahiriya, UN	2009-2012	US\$ 6 million	Operation of the Regional Centre for Management of Shared Aquifers in Africa (UNESCO Category 2 Centre)
Laboratory and Field Equipments, software , hardware, and Publications	Libyan Arab Jamahiriya, UN	2009-2012	US\$ 3 million	Upgrading and renewal of laboratories, equipments and computer facilities.
Sea-Water Intrusion Studies	Libyan Arab Jamahiriya- UN	2010-2012	US\$ 10 million	Assessment of current situation of seawater intrusion along the Libyan coast
Water Resources Strategy	Libyan Arab Jamahiriya- UN	2010-2012	US\$ 7 million	Updating Libyan Water Strategy (2000-2025) to cover the period (2010-2030)
Wheat production scheme	Proposed : Government, private sector, foreign investors	5 years	US\$ 950 million	Achievement of higher level of self sufficiency of wheat through the expansion of irrigated agriculture, in regions where enough water is available. The project involves 3 parallel phases, which would include expansions through rehabilitation of existing projects, new expansions in existing projects and expansions in new areas.
Olive production project	Proposed : Government, private sector, foreign investors	5 years	US\$ 454 million	Expansion in olive trees planting to meet the national demand for olive oil. The project involves the following components: Olive trees nursery, olive trees farms, extension farms and olive oil processing. It is mainly rain fed production.
Date palm production project	Proposed : Government, private sector, foreign investors	5 years	US\$ 454 million	Expansion in palm trees planting in Libyan Oases and the Coastal Belt to boost the importance of date palm in the agricultural sector. The project involves the following components: Olive trees nursery, olive trees farms, extension farms and dates preparation and storage facilities. It is mainly rain fed production.

Source: Sirte 2008 conference