



**WATER RESOURCES MANAGEMENT,  
AGRICULTURAL DEVELOPMENT AND  
ENVIRONMENT  
THE WORK OF THE FPSC FROM 2000 TO 2012 IN  
MIDDLE EAST**

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## General Information

- The Fundación Promoción Social de la Cultura has worked in the Water resources management, Agricultural development and Environment sectors since 2000, as these sectors demanded priority attention because of the structural, geographical and social circumstances of the region.
- The attention paid to these sectors **represents 13% (Water resources) and 14% (Agricultural development and Environment), of the total resources allocated to cooperation development.**



## Principles

- The work has been based on the following elements:
  - A clear convergence with local policies, seeking complementarities.
  - Finding specialized partners, in some sectors, in order to achieve better results and an efficient, long-term management of aid.
  - A regional dimension in the approach and execution of certain actions, in order to achieve greater effectiveness and better results.
  - Other elements have also been taken into consideration, such as equality between men and women, environmental sustainability, support for social minorities and capacity building of agricultural associations.



Centro de Estudios de Oriente Medio  
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## Figures

- The FPSC managed **9.492.308€ in cooperation projects** in these Sectors, with a total aid from the donors of **7.570.616€**
- In the **Water resources sector**, eight interventions in the Palestinian Territories and Jordan were carried out for a total of **7.983.658€** and a **total aid of 6.447.006€**.
- In the **agricultural development and environment sector**, four interventions in the Palestinian Territories were carried out. These were co-funded by AECID, for a total of **1.508.650€** and a **total aid of 1.123.610€**.



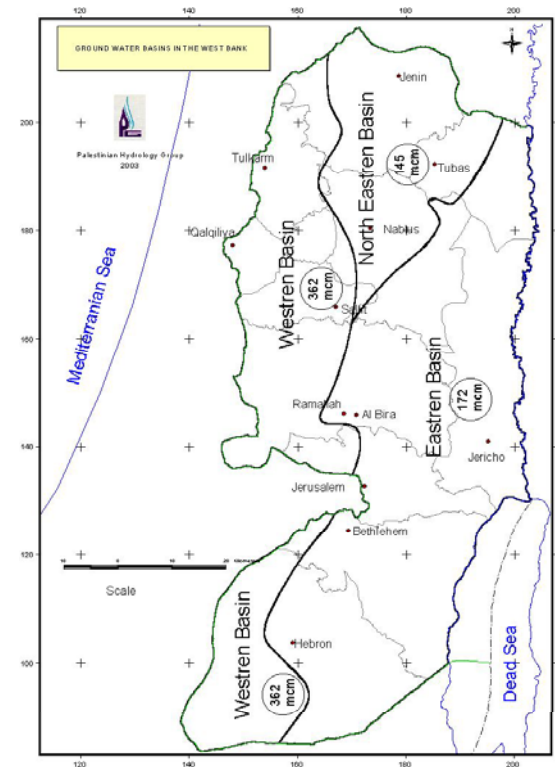
## Context

- Water is one of the least developed sectors in the Mediterranean Basin. The complex circumstances in the region have hindered adequate control of aquifers.
- There are not enough management plans.
- Our efforts are aimed not only at the improvement of infrastructure, the construction of cisterns to collect rainwater, the rehabilitation of water wells and the renovation of wastewater drainage systems, but also at organizing awareness counseling programs about environmental conservation and rational use of water.

# Problematics

## I. Scarcity of water

- due to the arid climate of the region.
- **E.g. PPTT:** The magnitude of water resources in the P.P.T.T vary from 640 - 750 Mcm/year (590 - 690 Mcm/year in the West Bank and from 50 -60 mcm in Gaza).
  - Non conventional resources: **Waste water** and **surface runoff** currently at 10 - 15 mcm and 10 - 17 mcm / year respectively.





## Problematics

### II. **Poor management strategy** on the use of available water.

- **Lack of coordination** between national and local authorities. Not unified policies for water pricing and water supply. Lack of real control on the national resources. Proliferation of illegal wells for agricultural uses.
- **Use of inappropriate methods of agriculture.** Lack of crop diversity. Use of very damaging pesticide techniques. Use of very unproductive watering techniques. Limited access to new agricultural techniques (organic agricultures, use of tensiometers, rationalized agricultural calendar.).
- **Old and not well maintained water networks.** High water losses due to leakage from pipe lines. Failures of well pumps resulting from overload at the well's head





# Improvement of water management in the agriculture sector to ensure food security in the Palestinian Territories and Jordan



- **Local Partners: JOHUD, PARC**
- **Strategic Objective:** Improve water management to ensure the food safety of Jordanian and Palestinian families in rural areas
- **Duration:** 4 years
- **Start Date:** June 2010
- **Budget:** 5.625.000€
- **Co-funded by AECID:** 4.500.000€



## Improvement of water management in the agriculture sector to ensure food security in the Palestinian Territories and Jordan

- This Agreement intends **to improve agricultural water management** in rural areas of Jordan and the Palestinian Territories, taking into consideration that an efficient water management, will increase agricultural productivity and will help ensure food safety in those areas. The intervention comprises the following courses of action:
- Establishment and **improvement of infrastructure and irrigation-oriented tools**, in order to maximize the productivity of scarce water resources.
- **Training of farmers** in new agricultural techniques and maintenance of irrigation infrastructure.
- **Strengthening of water users' associations** and promotion of social participation in water management through various training and awareness-raising activities

# Need assessment: interviews with families



## Construction of metallic pools 225 m<sup>3</sup>







## Construction of cement pools 200 m<sup>3</sup>









Fundación  
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الصدوق الأرتني الهاشمي  
للتنمية البشري



## تحسين إدارة المصادر المائية في القطاع الزراعي لتحقيق الأمن الغذائي في الأراضي الفلسطينية والأردن

Improvement of management of water resources in the agricultural sector in order to guarantee  
food security in the Palestinian Territories and Jordan

الممول من

**التعاون الاسباني AECID Spanish Cooperation**

من خلال

**مؤسسة نشر وترقية الثقافة المجتمعية FPSC Fundación Promoción Social de la Cultura**

إشراف و تنفيذ

**جمعية التنمية الزراعية (الإغاثة الزراعية) - PARC Agricultural Development Association**

2011

# Home gardens: food security at household level









# Water Users Associations Meetings West Bank





# Awareness



## Awareness: Organic gardens



## Training: practical demos

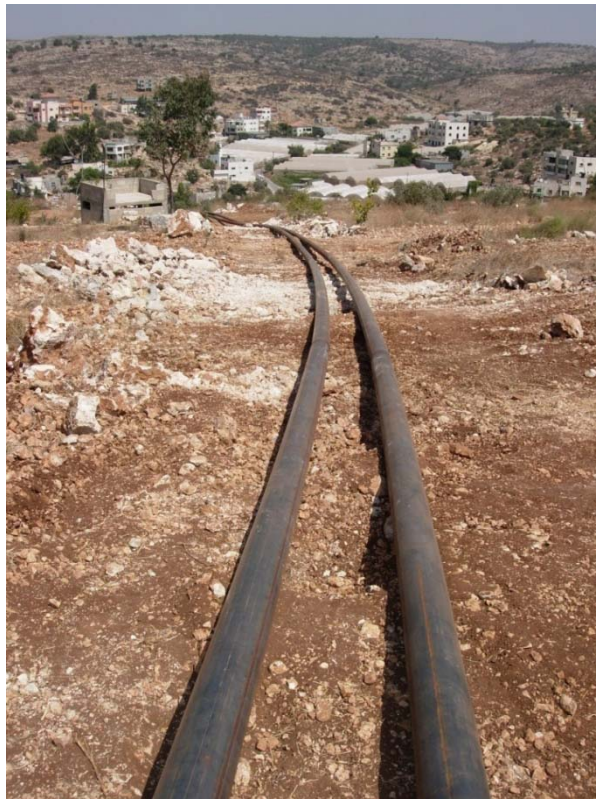






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# Renovation of irrigation Networks









## Program for the sustainable and participatory Management of water resources in Palestinian Territories and Jordan



- **Local Partners:** Hilfswerk International Austrian for Development and Cooperation, Fundación for the Social Promotion of Culture, Palestinian Hydrology Group, Jordan River Foundation, Jordan Hashemite Fund for Human Development
- **Duration:** March 2004-March 2008
- **Co-funded by:** European Union. Program MEDA/OFIG
- **Budget:** 5.603.390€
- **Grant:** 4.634.712€

# Program for the sustainable and participatory Management of water resources in Palestinian Territories and Jordan

- The results achieved were the following:
- Institutional strengthening and training.
- Exchange of information and “know-how”.
- Awareness-raising campaigns among the population.
- Training courses on the following topics were carried out:
  - Management of water resources.
  - Waste water treatment and reuse.
  - Safe use of fertilizers and pesticide
  - Organic Agriculture.
  - Irrigation and water harvesting techniques.
  - Permaculture.





# Improvement of water management and access to water resources in the North Jordan Valley. West Bank



- Beneficiaries: 2.880
- In partnership with: FPSC/ DASY
- Local Partners: PARC
- Duration: October 2008-December 2009
- Co-funded by: Generalitat Valenciana
- Budget: 457.430€
- Grant: 361.964€



## Improvement of water management and access to water resources in the North Jordan Valley. West Bank



The project involved a series of actions aimed at **improving water management and access to water resources in the North Jordan Valley (West Bank)**. These actions were designed to combat water shortage in the area and its impact on crops. At the same time, various training activities were organized together with the local population, to optimize the management of resources.





# Improving the quality of domestic water. West Bank



- **Beneficiaries:** 3.500
- In partnership with:  
FPSC/DASYC
- **Local Partners:** Palestinian  
Hidrology Group
- **Duration:** May 2005-June  
2006
- **Co-funded by:** Generalitat  
Valenciana
- **Budget:** 313.470
- **Grant:** 237.565





## Improving the quality of domestic water. West Bank

- The Project comprised the following courses of action:
- Water well rehabilitation in Baqa Ash Sharqiyeh.
- Improvement of the drinking water supply network in Nazlat, Abu Nar and Masqoufa.
- Construction of pools for irrigation in Illar (2), Biet Dajan (2) and Jnessafout (1).
- Installation in Iraq Bourin of a health care network for sewage drainage. A training and awareness program about water Management and environment, which was addressed to the local population, was implemented. Moreover, new jobs in the construction of water networks were created among the local population. This led to an
- improvement in the local economy (affected by a high unemployment rate).



Thank You

