



Improvement of Irrigation Water Management in Lebanon & Jordan



IrWa



Project Objectives

Improve Irrigation Water Quality

Increase Crop Production and Farmers' income

Improve On-farm irrigation and Fertilization Efficiencies

Enhance Flood Prevention to increase the Agricultural Area



Achievements & Challenges

- Innovative agricultural techniques help farmers in dealing with water scarcity
- Farmers participation in decision making is a key element for sustainability of research and innovation in agriculture
- Women are major stakeholders in water management and awareness raising
- Alternative sources of water need appropriate technology for effective use
- Better filtration at on farm level increases life cycle of irrigation networks, decreases maintenance costs and improves profits
- Integrated Fertilizers Management improves Fertilizers Use Efficiency, decreases pressure on the environment and increases profitability
- Proper irrigation networks design improves Water Use Efficiency, decreases costs and provides more crop per drop
- New approach of extension services can provide effective support to the farmers (promotion of bottom-up approach, strategic planning, trained human resources and financial sustainability)
- Optimized riverbed management prevents floods and recuperate arable land for cultivation



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