



## Water for Life: Jordan's Water Strategy 2008-2022

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er Policies and Irrigation Water Management in the Mediterranean Area Workshop

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## **Presentation Objective**

#### elaborate on the

# Water problem in Jordan along with challenges and principles of

the Jordan's Water Strategy











Limited Renewable Water Resources High Population Growth Lack of Integrated Water Resources Planning & Management Increasing Cost of Supply Expansion -Consequences-

Increasing Gap between Demand & Supply

#### Competing Sectoral Demands for the Same Water Resources

#### Ground Water Pumping & Depletion of Renewable Aquifers

**Social & Environmental Impacts** 





"Our Water situation forms a strategic challenge that cannot be ignored. We have to balance between drinking water needs and industrial and irrigation water requirements. Drinking water remains the most essential and the highest priority issue ".

> H.M. King Abdullah II November 7, 1999





#### **Problems Identified**

- Low physical properties
- Improper hydraulic design
- Inefficient filtration system
- Improper Irrigation and fertigation management
- > Weak public extension services

















	Achieve Water Supply Goals/2022
Surface Water	Monitoring/assessment programs (quantity, quality, uses and protection). Integrated programs
• Groundwater	Protection programs (pumping, mining, rehabilitation and pollution). Use Ground and surface water conjunctively. Centralize data collection, analysis, and monitoring. Use of applied research activities (artificial recharge, new technologies) for efficient use.
<ul> <li>Un- conventional Water</li> </ul>	Expand safe use of TWW (agriculture, industry, aquifer recharge and urban landscapes). Optimization use in agriculture and industry. International cooperation in desalination (R&D, information exchange, and training).



### Achieve Water Supply Goals/2022

- Water Quality, Environment, and Human Health
- Resource
   Development

Resource
 Management

- Standards update and enforcement. Monitoring Program. Outreach awareness and know how programs. EIA and Management Plans.
- Update balancing and allocations plans. Update the WIS.
  - Formulate long/short-term plan for exploitation.
  - Principle: Economical, environmental, and social sustainability.
- Review previously developed resources.
- **gement** Achieving highest efficiency in conveyance, distribution, and application. Maximizing the use of alternative sources (greywater and WH).







### Achieve Irrigation Water Goals/2022

- Regulation Discourage high water requirements crops and Controls
   Control perennial crops planting.
- Efficiency
   Introducing appropriate tariffs and incentive systems.
   Encourage irrigation networks automization.
   Implement periodic preventive maintenance through qualified human resources.

