Country Pilot
Improved Water Allocation for Agriculture
(Tunisia)
18-10-2022
3 Proposed pilot area (1)
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- Nebhana dam
- Evapotranspiration
- North pipe line for domestic use
- Exchange water
- Nebhana pipe line
- Mahdia
- Irrigated perimeters Kairouan
- Irrigated perimeters Sousse
- Irrigated perimeters Monastir
- Groundwater
- Runoff
- Evaporation
- Infiltration
- Pilot area

Irrigated perimeters

- Kairouan
- Sousse
- Monastir
- Mahdia
The Nebhana area is characterized by low rainfall (semi-arid area) and impacted by climate change, high evapotranspiration, general drawdown of water table.

The total water demand is about 30 Mm$^3$, in the other side, the average water inflow to the dam is about 20 Mm$^3$, Imbalance between supply and demand

Very important system economically and socially, available data base( many studies in the region), potential of treated waste water
4 Proposed pilot area (2)

Main Stakeholders

Stakeholders engagement

• National: Ministry of Agriculture Water Resources, Ministry of Environment, National utility of Sanitation (ONAS), National Utility of Drinking Water (SONEDE), National utility dealing with Water transfert ‘Secadenord), Union of Farmers (UTAP)

• Regional and Local Level: farmers, Gda’s, Crda’s, URAB, Civil society

How to engage

• Create a communication mechanism for participation
  • Mobilisation of Regional water council,
  • Identification of local leaders

How to enforce national leadership

• Validation of pilot project with the National water council
What the pilot want to achieve?

- Satisfy the water demand for the different sectors and mainly for agriculture by reallocating water resources according the Guideline's principles.
- The mastery of the new allocation approach
- Dissemination of the pilot project after positive assessment
Proposed activities (indicative) and time lines

- **Defining the water allocation improvement agenda/plan**

  - **Diagnostic the current water allocation system**: 6 months
  - **Installation of a geospatial database for all perimeters**: 6 months
  - **Improve the use of water saving system**: 3-5 months
  - **Move towards new cropping systems less demanding in water**: 12-24 months
  - **Frame the GDA and improve their effectiveness: professionalism**: 12 months
  - **Develop pricing plan**: 12 months
  - **Improve water measurement at irrigant scale**: 12 months
  - **Fostering the use of the treated wastewater**: 12-24 months
• The project will be supervised by a steering committee at national and regional levels: The draft of the decision indicating its composition and role was established.
• A national focal point dedicated to this project was recruited.
• Many Training to master water accounting tools were done.
• Meeting on 26 and 27 of September was organized in Cairo to discuss the pilot area and the content of the action plan.
Thank You