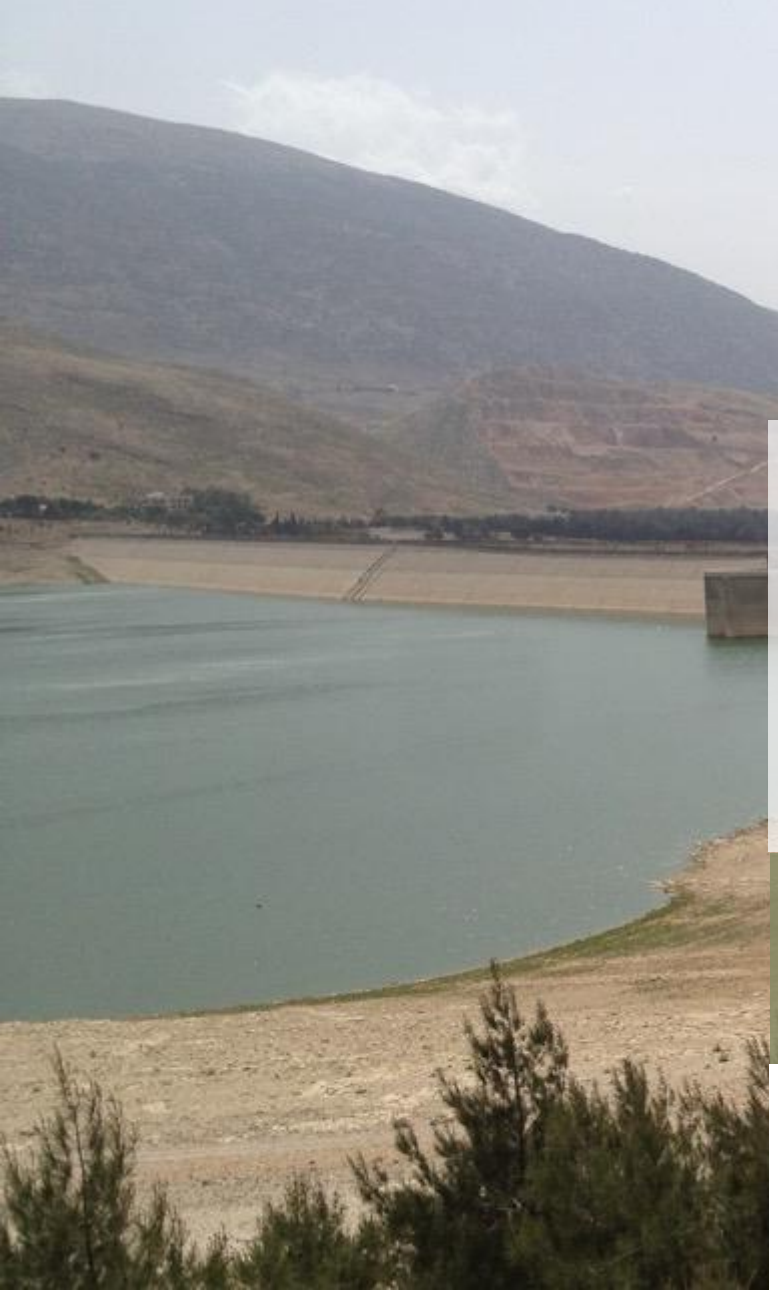

Food and Agriculture Organization of the United Nations

UNITED NATIONS
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ESCWA

Country Pilot Improved Water Allocation for Agriculture

(Tunisia)

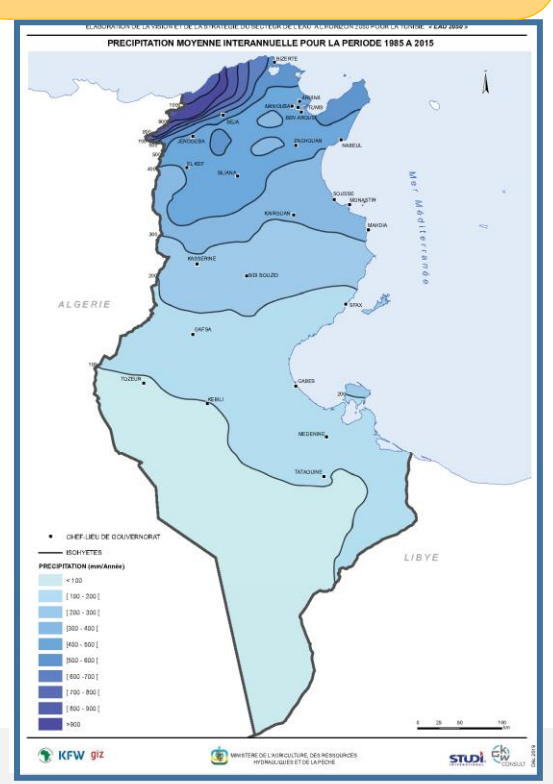
03-10-2022

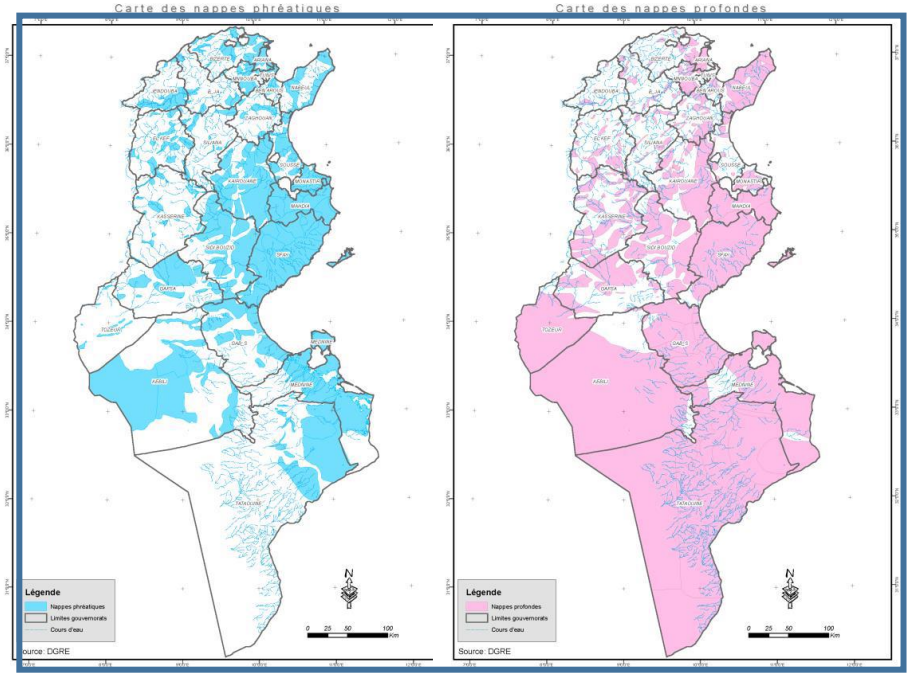
1 Country background

Mediterranean climate in the north and a desert climate in the south

North have 60% of the country's total water potential, the South have 23% and the Centre have only 17% of the potential

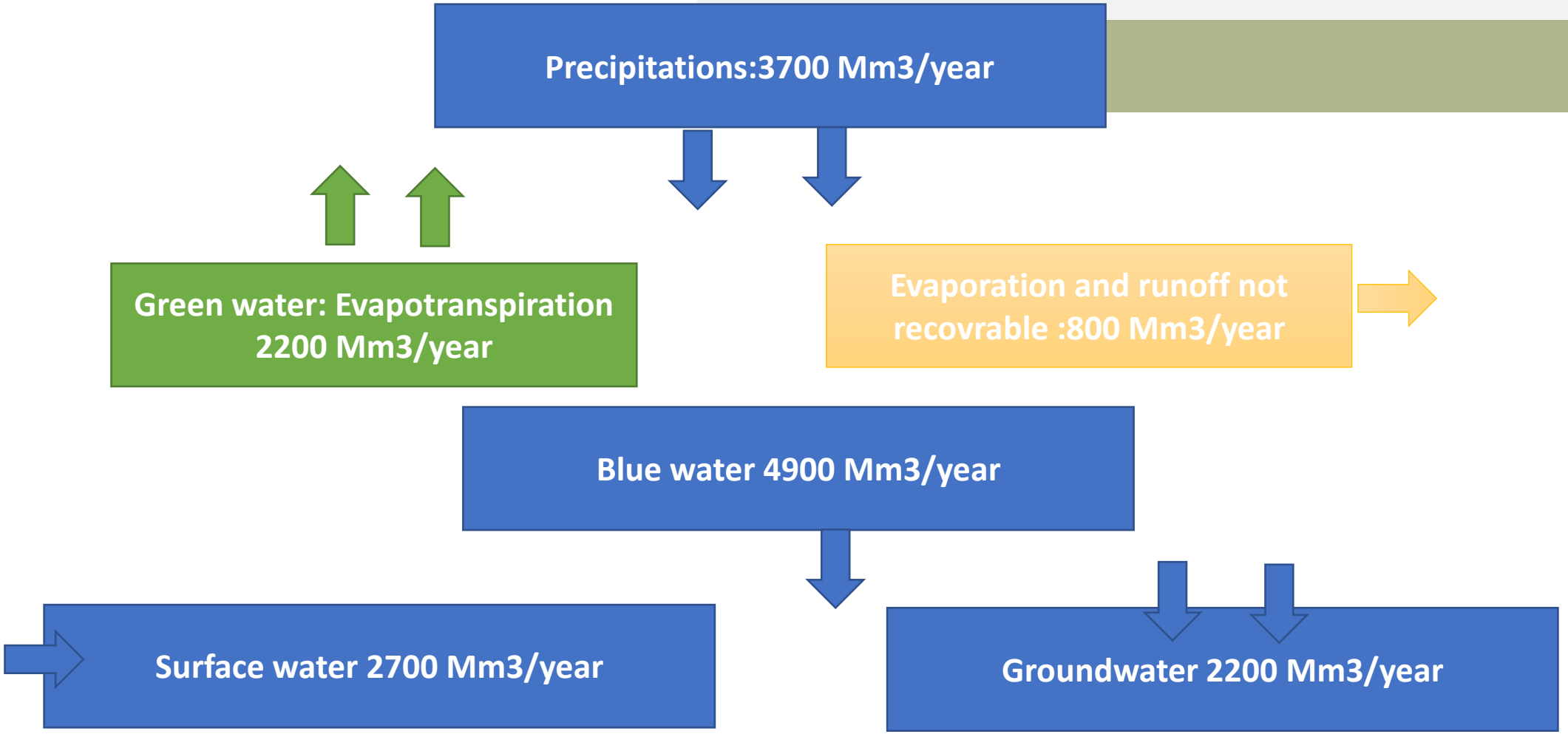
South and Central of Tunsia have the most important potential of water





Water resources

1 Country background

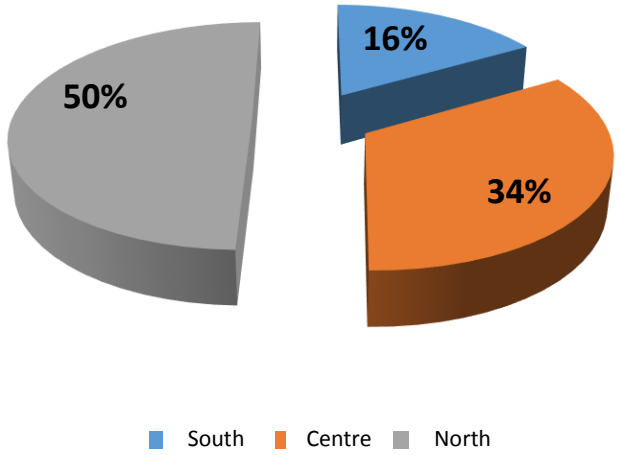


Source (water 2050)

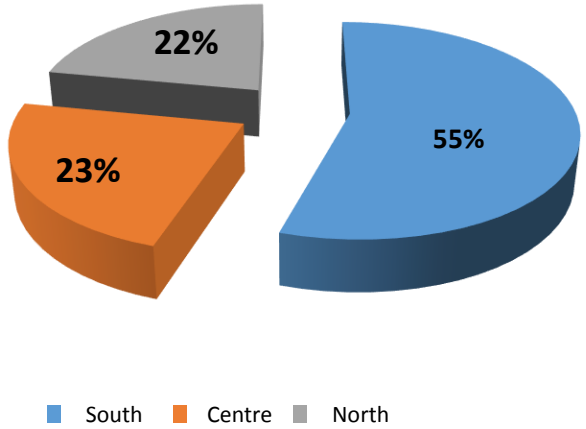
Water resources

1 Country background

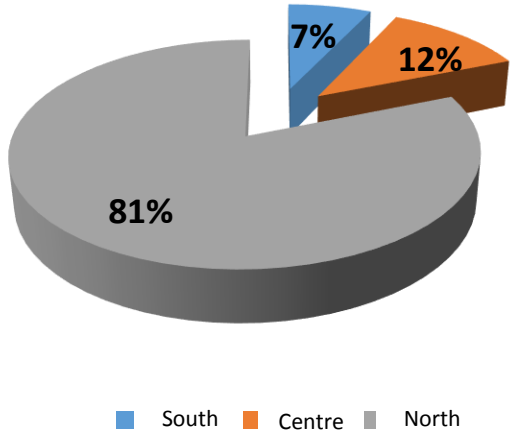
Shallow Aquifer (746 Mm3)

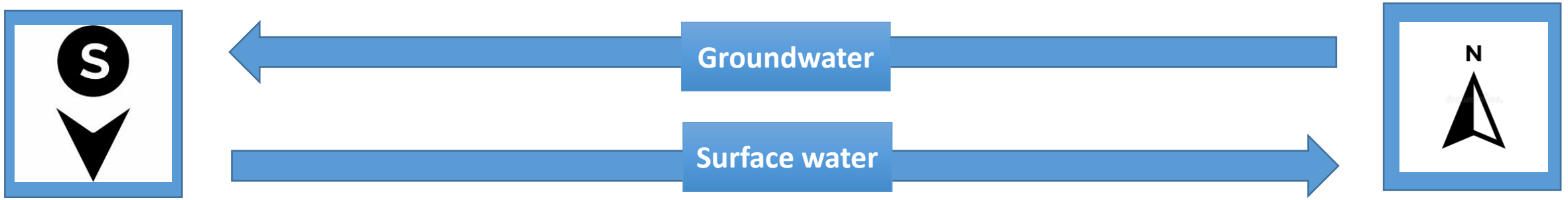


Deep Aquifer (1429 Mm3)



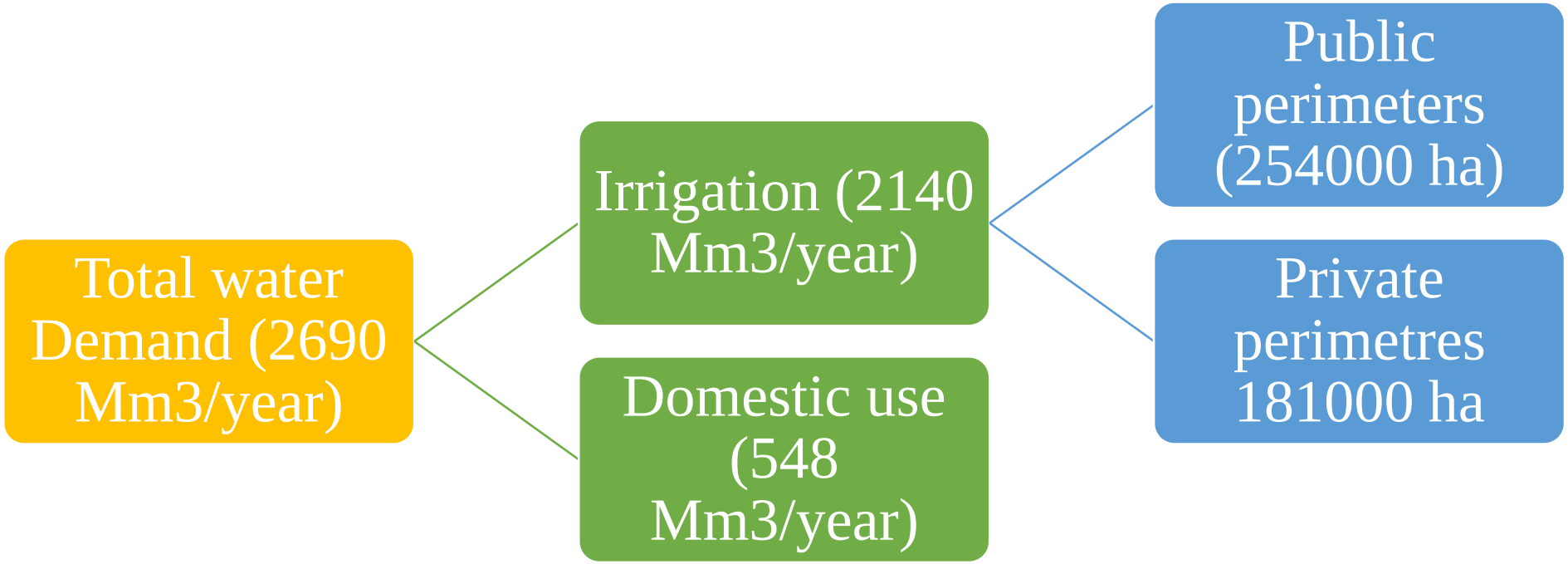
Surface water (2700 Mm3)





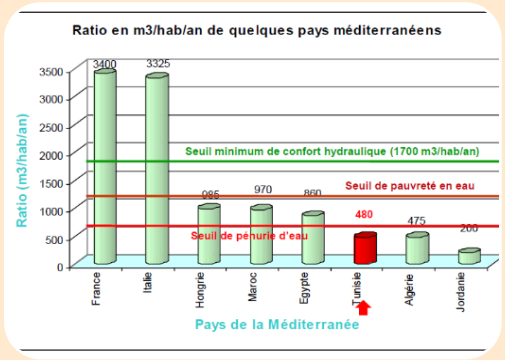
Water demands

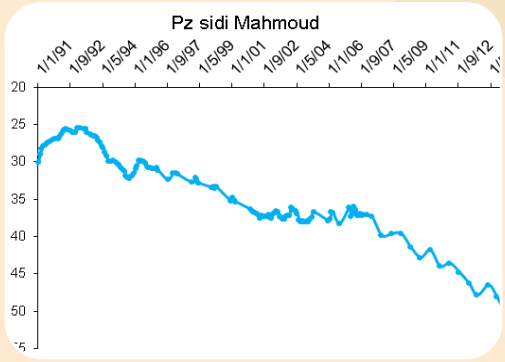
1 Country background

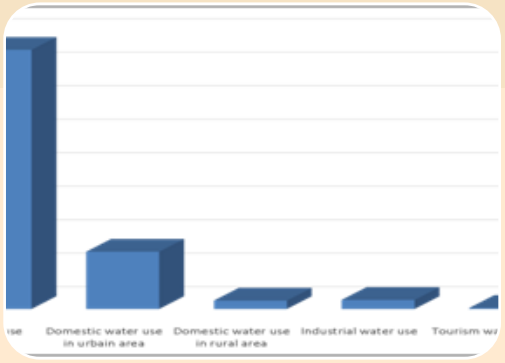


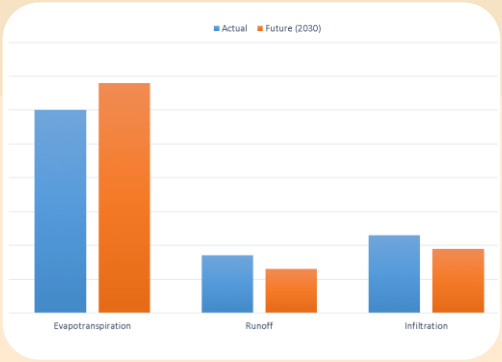
Main Challenges in water management

2 Country challenges









Declining water availability per capita: TUNISA is under water poverty line

Overexploitation /depletion of groundwater

Increasing and competing water demand amongst sectors

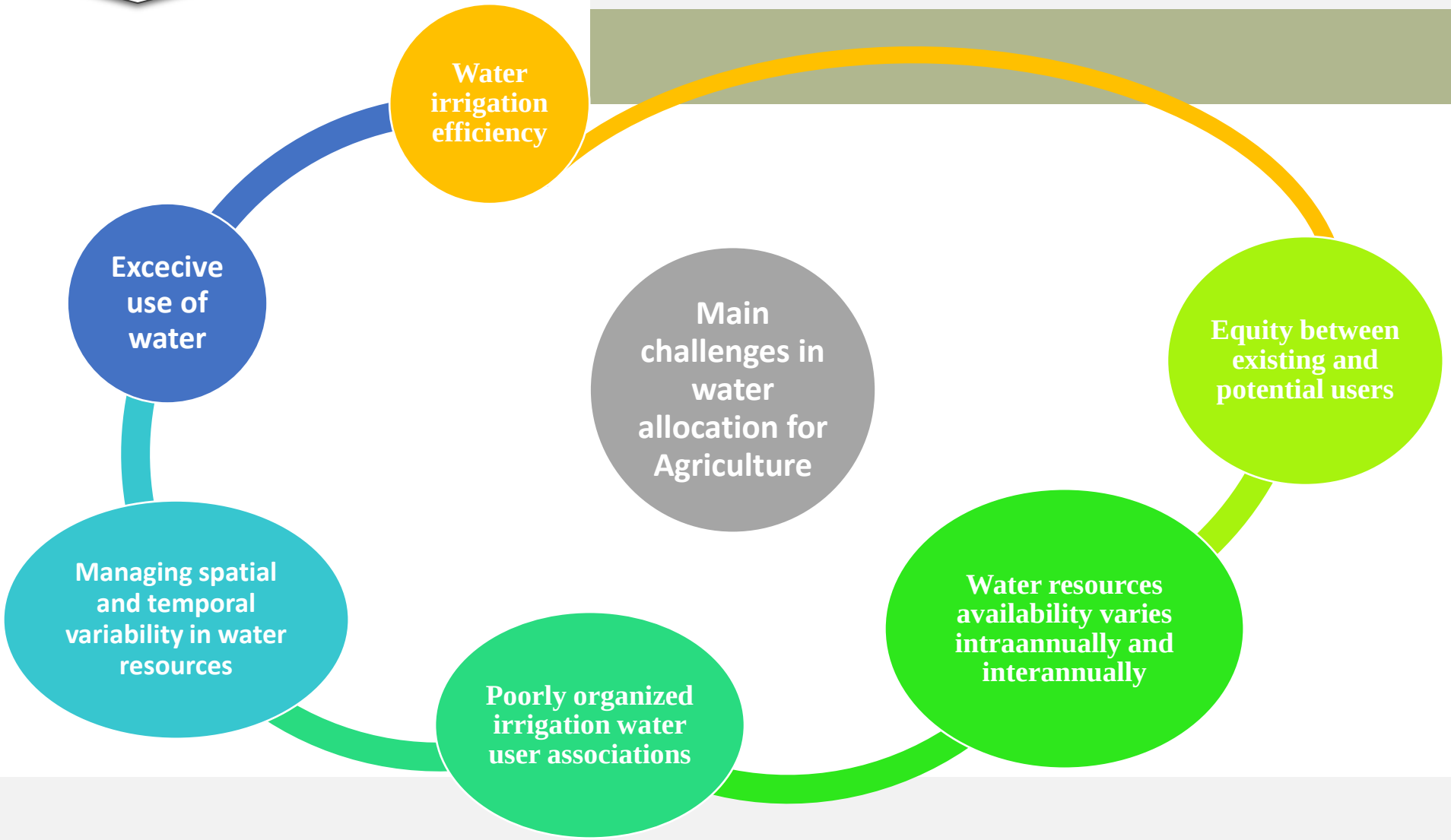
+

Irrigation is the dominant consumptive use of water

Climate change

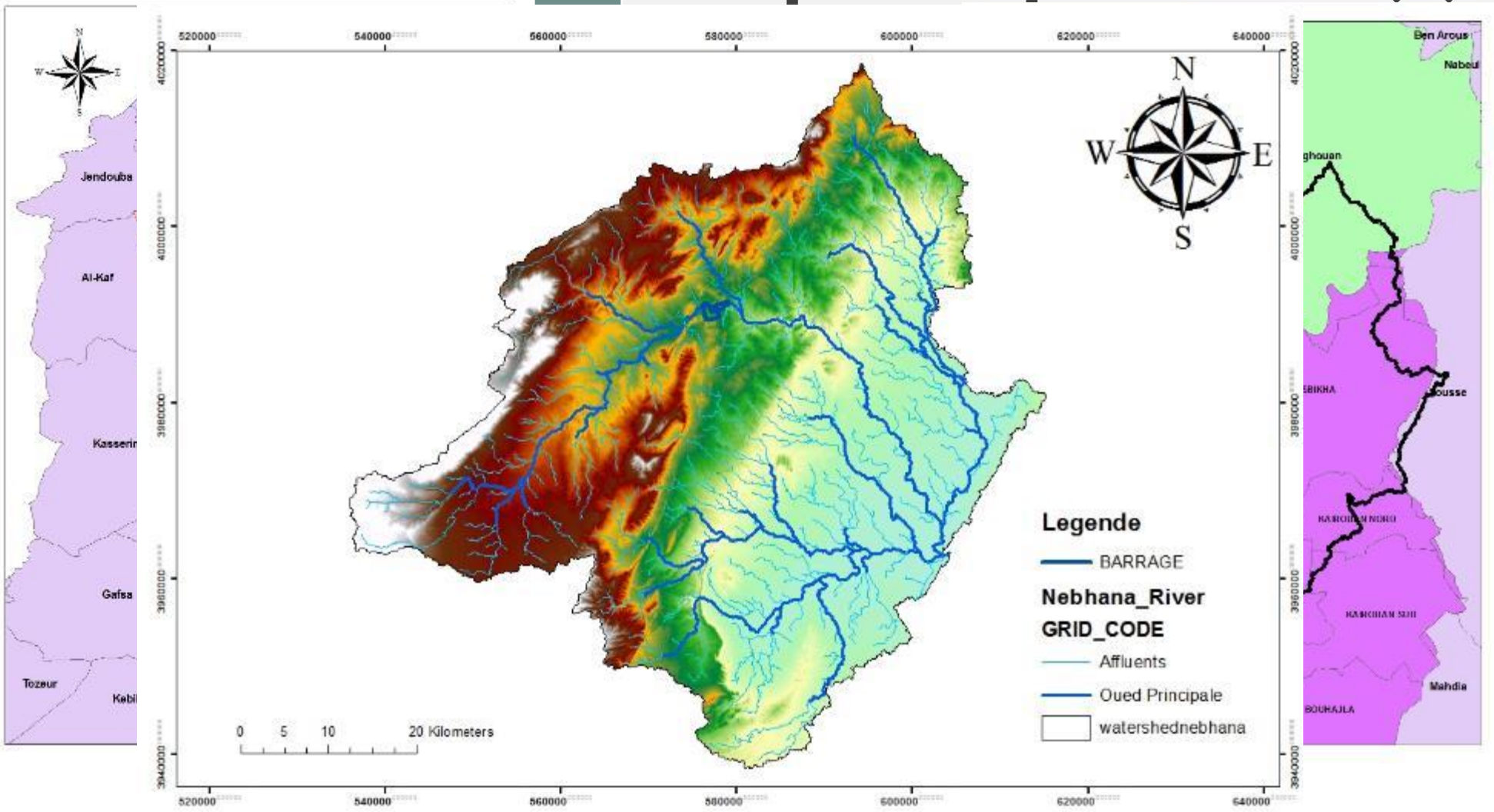
Main Challenges in water allocation for agriculture

2 Country challenges

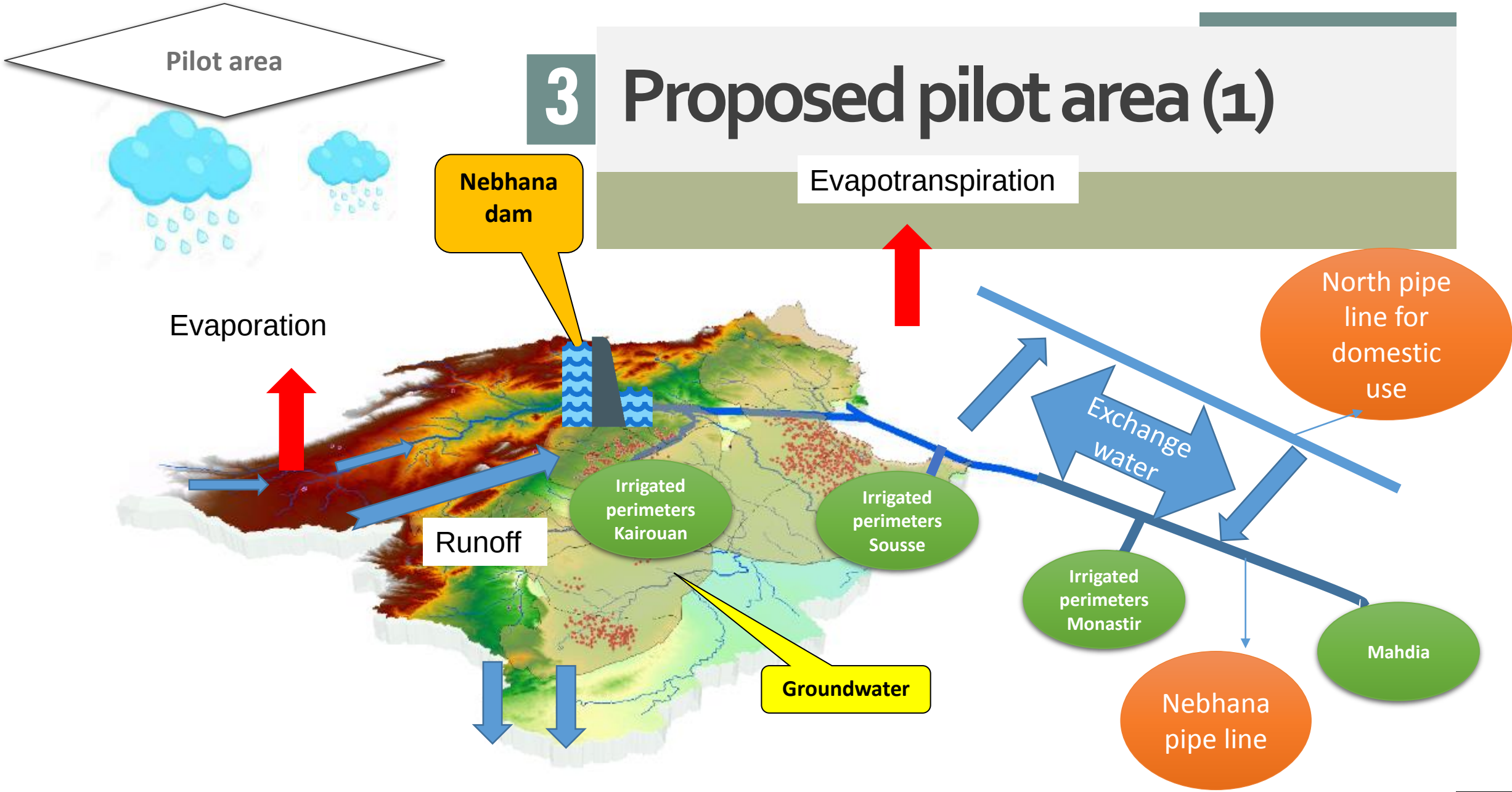


Pilot area

3 Proposed pilot area (1)



3 Proposed pilot area (1)



3 Proposed pilot area (1)

The Nebhana area is characterized by low rainfall, high evapotranspiration, general drawdown of water table and irregular water inflow to the dam.

The total water demand is about 30 Mm3, in the other side, the average water inflow to the dam is about 20 Mm3, Imbalance between supply and demand

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

Main Stakeholders

4 Proposed pilot area (2)

Stakeholders engagement	**National: Ministry of agriculture, environment, health administration, sanitation Utility (ONAS), National Water Distribution Utility (SONEDE),Secadenord, UTAP** **Local: farmers,Gda's, Crda's, URAB, Civil society**
How to engage	**Mobilisation of Regional water council, identification of regional leadership**
How to enforce national leadership	**Validation of pilot project with the National water council**

Objectives

5 What the pilot want to achieve?

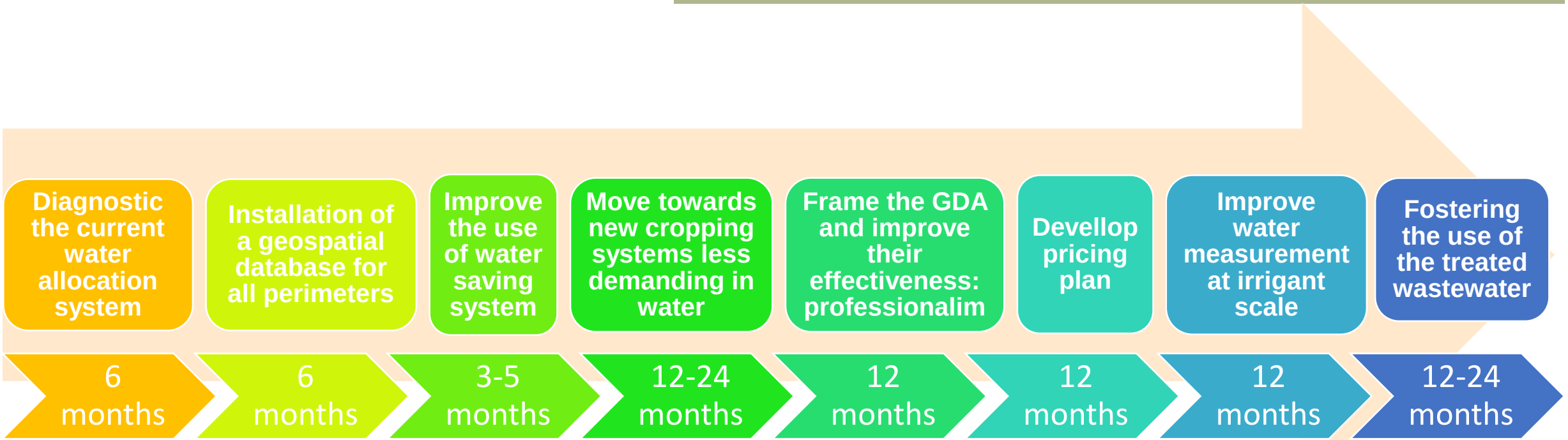
to improve the efficiency of water resource use through equitable allocation of water resources and to achieve a rational, regulated use of water resources

Help the administration to better manage water allocation by improving demand management policy

Strengthening the mission of the Concertation about water allocation, developing the capacities of the actors

Defining the water allocation improvement agenda/plan

6 Proposed activities (indicative) and time lines



6 Proposed activities (indicative) and time lines

Contacting national leaders/stakeholders

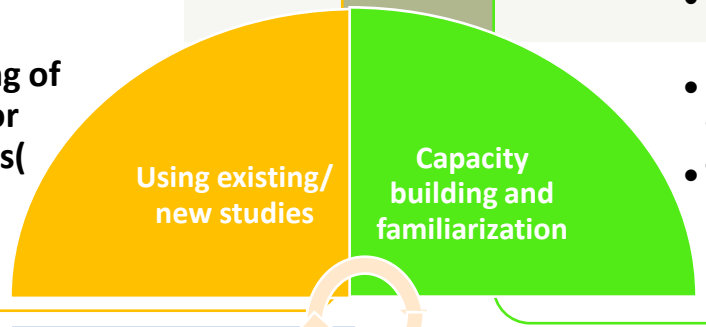
- Identify key stakeholders and prepare plan communication
- Delivery of information about the project
- Informal communication

Engaging local leaders/ stakeholders

- The project will be supervised by:
- A steering committee
- A scientific committee
- National Coordination Committees will also be established and will be facilitated by a national focal point

6 Proposed activities (indicative) and time lines

- Compile existing studies in the region
- Evaluation by remote sensing of groundwater withdrawals for agricultural use in pilot areas(wapor, WA+..)



- Strengthen the water committee allocation
- Use of smart technologies
- Training on building capacity and stakeholder dialogue

- Evaluation of policies
- Evaluation of stakeholders rules

- Fixing performance indicators related to productivity, water consumption, allocation rules
- Monitoring and evaluation of performance indicators

ThankYou

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