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**Assessment of**

# **Water Policies**

**in the light of principles on**

# **Integrated River Basin**

# **Management**

**case studies from:**

# **Morocco and Tunisia**





# Aim of the Study

- **Stimulating a debate** how to preserve and improve the state of freshwater ecosystems
- by assessing
  - **quality of existing programmes**
  - **policy and legislative responses of governments**





# Cross cutting principles of IRBM

(source: water seminar series (EC + WWF))

- **Timing**
- **Participation**
- **Capacity**
- **Integration**
- **Scale**
- **Knowledge**





# Wetlands as part of the water policies

- Wetlands have many water management functions (environmental services) :
    - **flood control**
    - **water purification**
    - **ground water recharge**
    - **support livelihoods**
- ← Wetlands have **economic value**

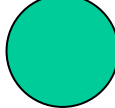




# Score categories

**90 - 100%** 

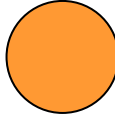
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**75 - 89%** 

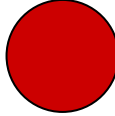
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**50 - 74%** 

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**25 - 49%** 

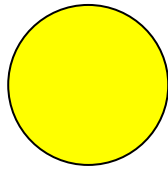
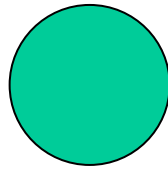
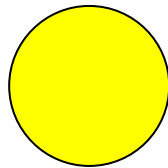
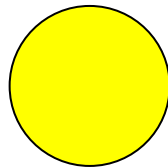
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**0 - 24%** 





# Integration

	Morc	Tu
• Competencies		
• Sectors		

**BUT: Integration of environment and environmental services is very weak**





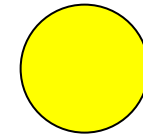
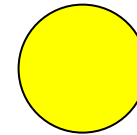


# Public participation

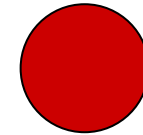
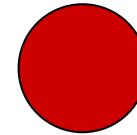
**Morc**

**Tu**

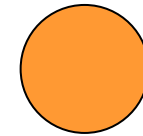
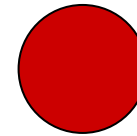
**Pro-active information  
provision**



**Public consultation**



**Active involvement  
of the public**







# On-going decentralisation of competencies (Morocco)





# Wetlands Policy

existence and integration

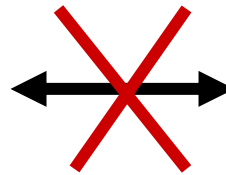


	<b>Morc</b>	<b>Tu</b>
<b>Wetland protection</b>		
<b>Wetland restoration</b>		



# Wetland conservation in Morocco

**Commissariat of water and forest:  
in charge of  
Protected Areas**



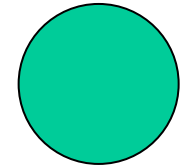
**State Secretariat  
of Waters:  
owns the wetlands**



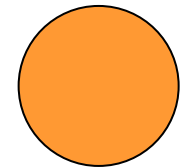


# Water monitoring in Tunisia and Morocco

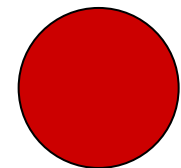
- **Good knowledge of water quantity problems**



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- **patchy knowledge of water quality**



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- **poor knowledge of the effects of pressures on biological elements and hydrological elements**

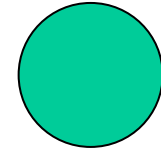




# Responses to Water Quantity Problems (Tunisia)

- **Legal instruments**

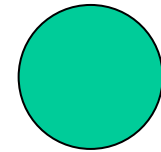
- full arsenal



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- **economic instruments**

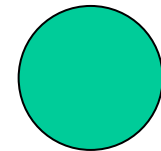
- well developed water pricing system



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- **information instruments**

- good information provision





# Conclusions

- Focused on **water provision**
- measures to ensure efficient use of water is quite advanced. **Water pricing** system is a good example
- **public participation** is unsatisfactory
- towards integration of policies, however **environmental aspects** are at the bottom of the list of priorities







# Recommendation

- Improve quality and availability of data about the effect of existing **pressures on water resources**
- improve monitoring programme for **endangered ecosystems**
- develop specific regulation for the use of **agricultural wastewater**
- better **dam management** under the consideration of ecological aspects (mitigation measures)
- improve the **availability of information** regarding water resources ( increase transparency)
- improve existing arrangements for **public consultation**
- Develop a **holistic wetland policy** instead of selected wetlands

