



The 7th World Water Forum

12-17 April 2015, Daegu- Gyeongju, KOREA



EUROPE REGIONAL PROCESS – SESSION R.DIRECTIVES.EU:

The European Union Water Directives:

Efficient tools to reach the ambitious objectives of European joint policy to safeguard water and aquatic environments

Tuesday 14 April, 14h40-16h40
Gyeongju

EU Directives Practical implementation by JUCAR RIVER BASIN AUTHORITY

Mr. Javier Ferrer Polo

Water Commissary, Jucar River Basin Authority, Spain

CONTEXT

➤ MEDITERRANEAN CHARACTERISTICS

HIGH HYDROLOGICAL VARIABILITY :TIME & SPACE

ARIDITY

HIGH PRESSURE: SCARCITY OF WATER RESOURCES

AGGRAVATED BY CLIMATE CHANGE

➤ HIGH WATER DEMAND

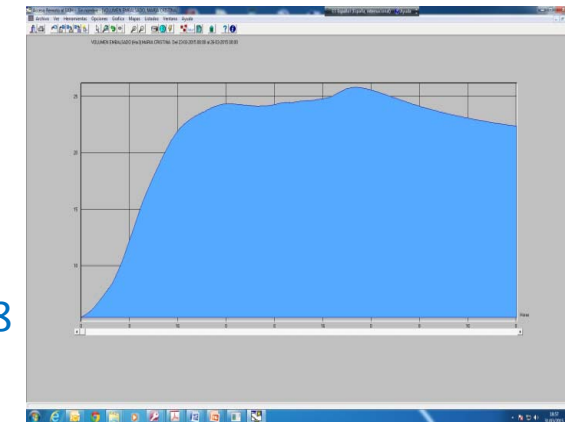
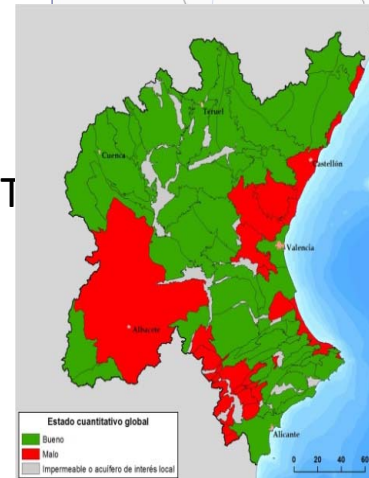
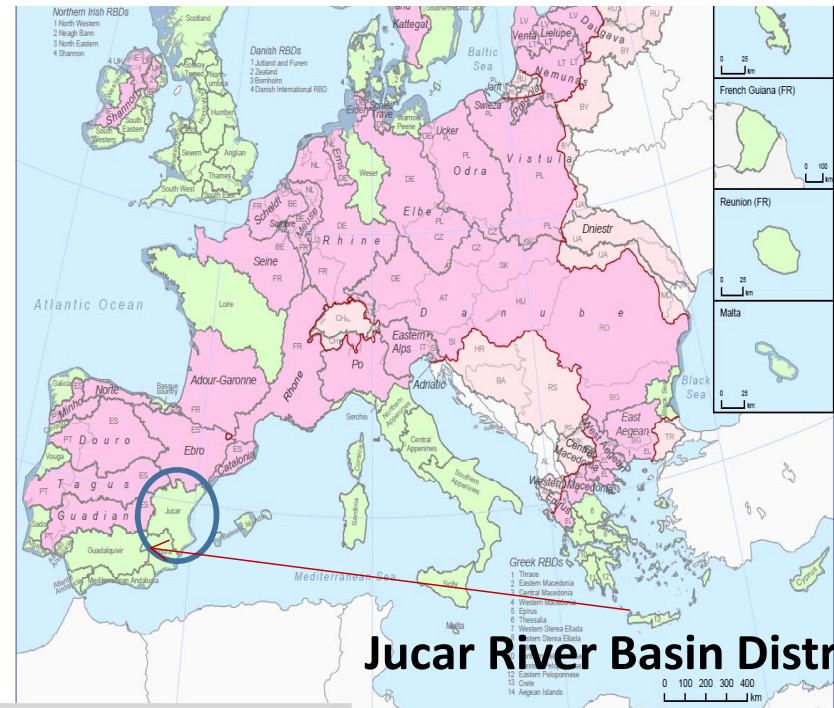
AGRICULTURAL & URBAN & TOURISM

➤ ENVIRONMENTAL RISK: DIFFICULTY TO ACHIEVE OBJECT QUANTITATIVE STATUS OF GROUNDWATER BODIES

➤ EXTREME HYDROLOGICAL EVENTS

DROUGHTS: importance of planning approach

FLOODS: importance of non structural measures



María Cristina Reservoir full in 48 hours

EU Directives Practical implementation by the JUCAR RIVER BASIN AUTHORITY

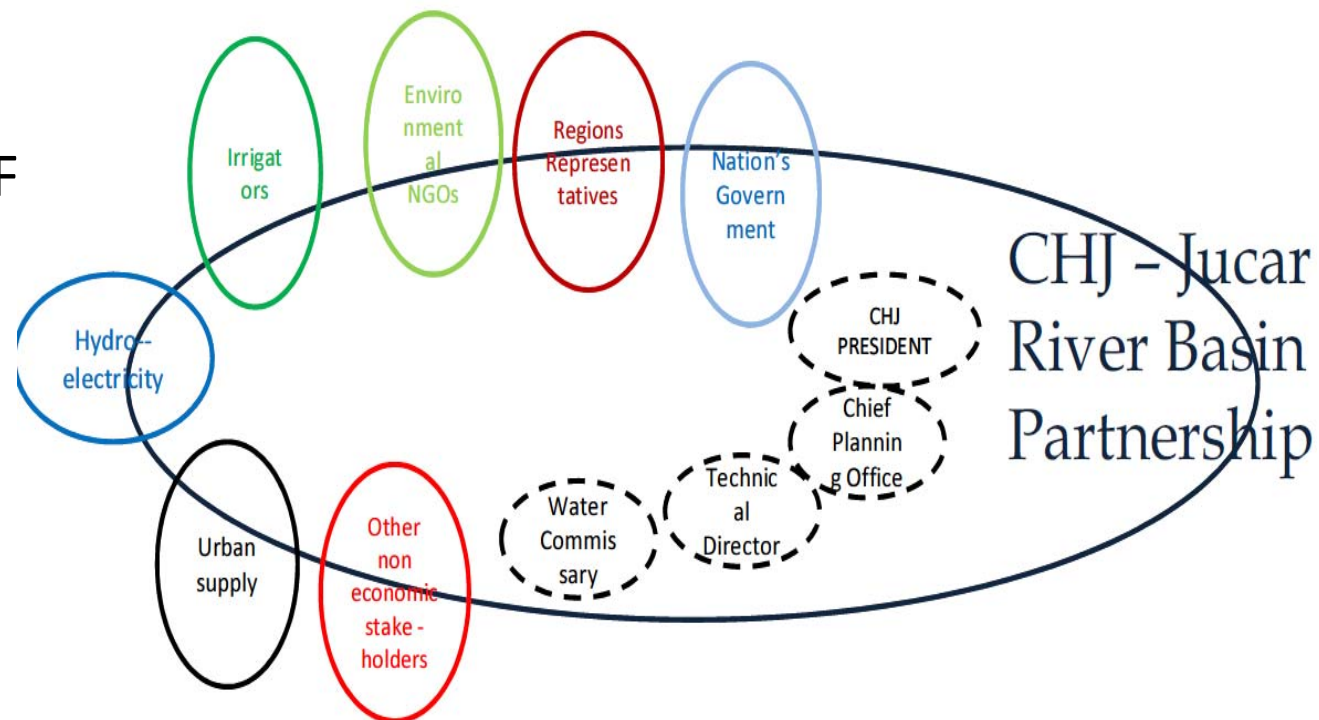
Governance: Jucar River Basin District **Authority or Multisectorial Partnership?**

River Basin Districts as unit for water management and water planning have large tradition in Spain

- AUTHORITY & MULTISECTORIAL PUBLIC-PRIVATE PARTNERSHIP
 - ✓ NATIONAL & REGIONAL ADMINISTRATION
 - ✓ USERS: irrigators, urban supply, hydroelectricity
 - ✓ ENVIRONMENTAL NGOs
 - ✓ SOCIAL & ECONOMIC INTERESTED ...
- LONG TRADITION OF USERS' COLLABORATION

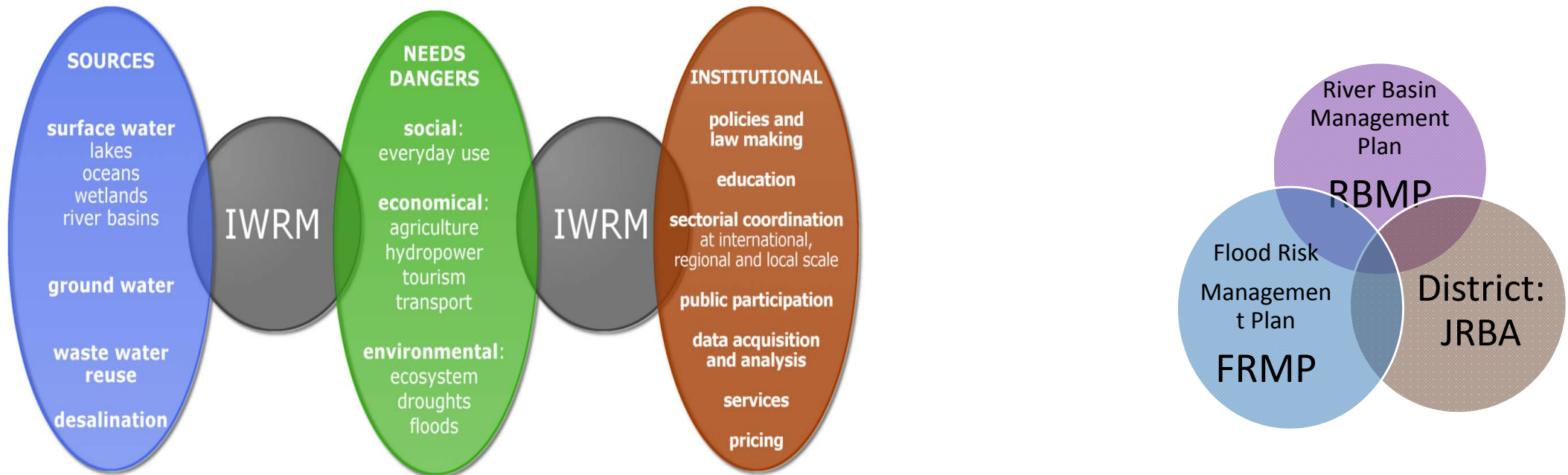
- INTEGRATED TECHNICAL STAFF TERRITORIAL & TECHNICAL KNOWLEDGE

- PARTICIPATION EXTENDED TO ALMOST ALL STAKEHOLDERS



Integrated Water Resources Management IWRM

IWRM is a basic tool to implement WFD & FRMP and reach the environmental objectives



NEED TO BALANCE ENVIRONMENTAL PROTECTION & SUSTAINABLE ECONOMIC DEVELOPMENT.

USE OF WATER SUPPLY INCREASE & WATER DEMAND MANAGEMENT MEASURES.

REACHING A GOOD STATUS:

monitoring systems

control of water abstractions

water accounts & water balances

RBMP (WFD) & FRMP (FD): USERS' ASSOCIATIONS & STAKEHOLDER PARTICIPATION.

Drought Management Planning DMPs

Long tradition of adaptation to Drought in Spain

➤ NATIONAL HYDROLOGICAL PLAN:

- Established the need for a planned drought management
- River Basin Authorities have to elaborate Drought Management Plans(DMP)
- Minimize environmental, economic and social impacts of droughts

➤ DMP defines:

- Operative Drought Indicators & Scenarios

- normality
- pre-alert
- alert
- emergency

- Management procedures & Measures in pre-alert, alert and emergency
- Follow-up system

February
2015



conclusion & recommendations

- MEDITERRANEAN CHARACTERISTICS:
 - high hydrological variability :time & space
 - high pressure
- RIVER BASIN DISTRICT PARTNERSHIP:
effectiveness & long tradition in Spain
- NEED TO BALANCE :
 - Environmental protection
 - Sustainable economic development
- MULTISECTORIAL PUBLIC-PRIVATE PARTNERSHIP AT RIVER BASIN LEVEL
- INTEGRATED WATER RESOURCES MANAGEMENT
 - Water Resources
 - Needs
 - Institutional Framework
- LONG TERM PLANNING:
 - RBMP (WFD)
 - FRMP (FD)
 - DMP
- ...CONCLUSIONS
-TOOLS & RECOMMANDATIONS