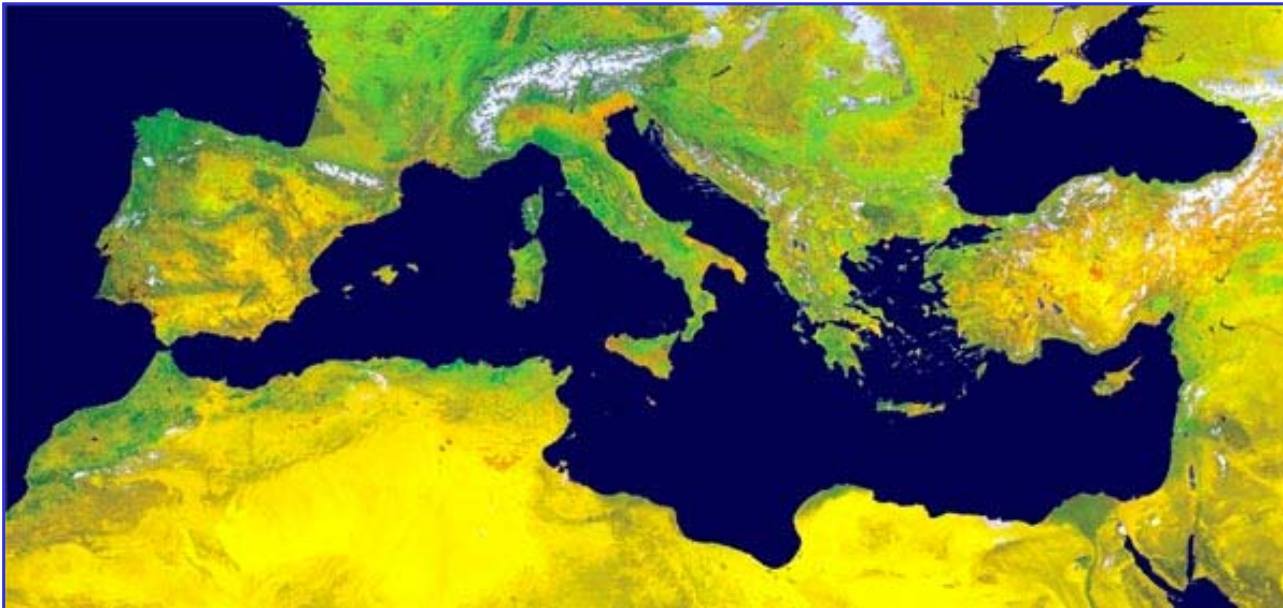

COUNTRY REPORT: SPAIN



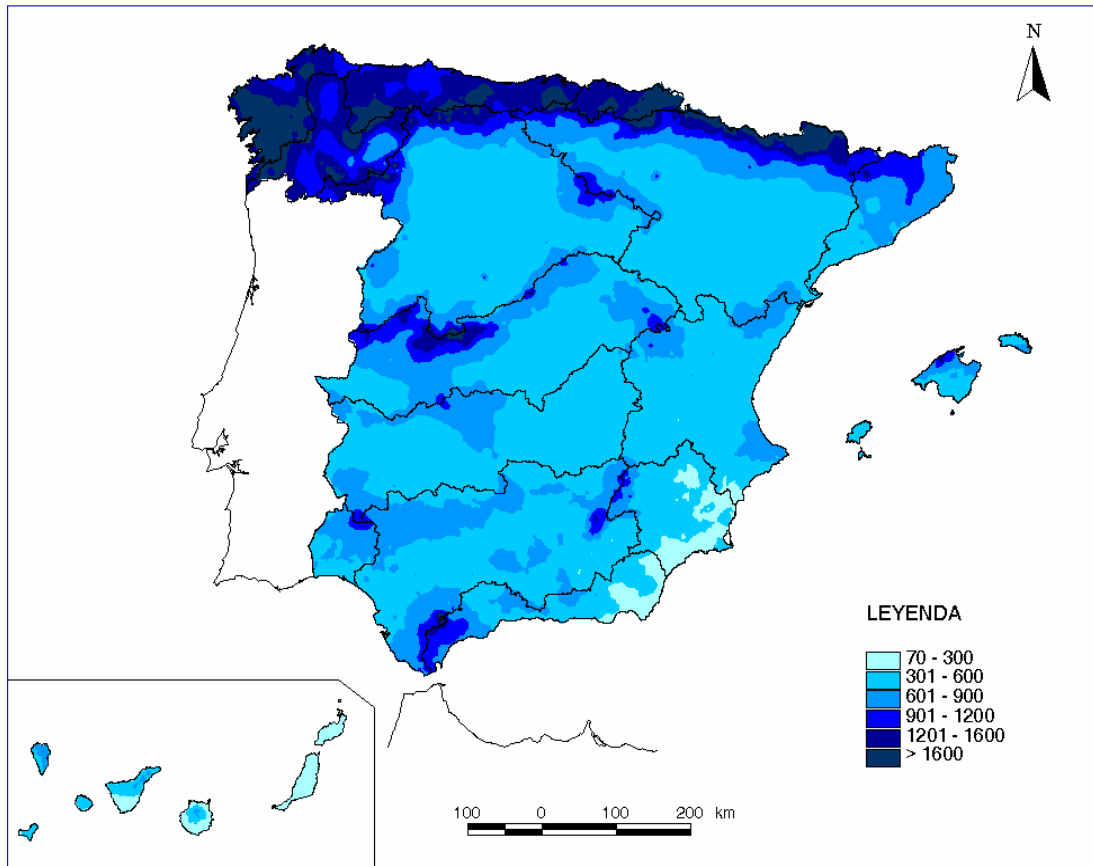
*Dr Teodoro Estrela
Deputy Water Director
Spanish Ministry of Environment*



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- Geographic social and economic context
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- Actual state, needs and challenges
- Future plans

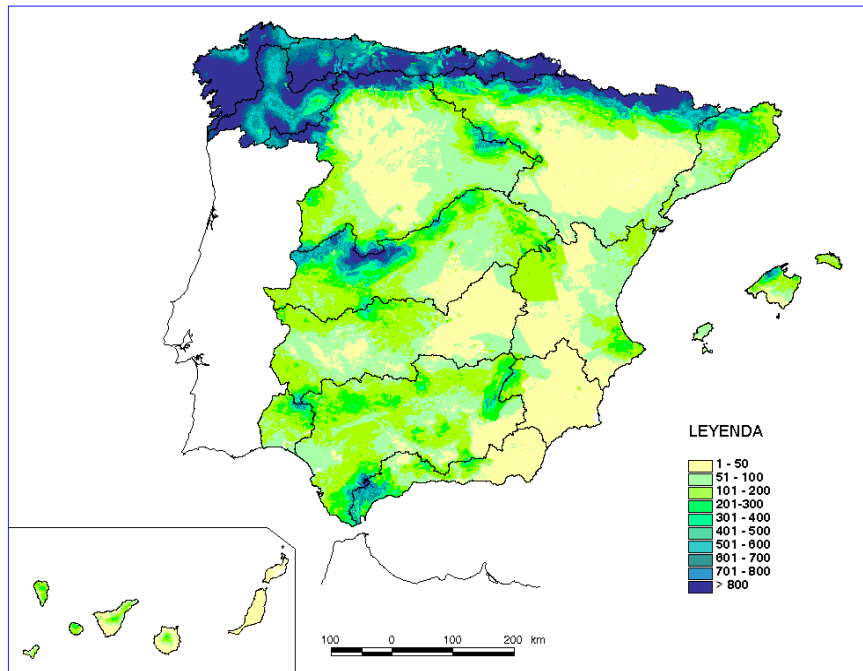
Geographic, social and economic context



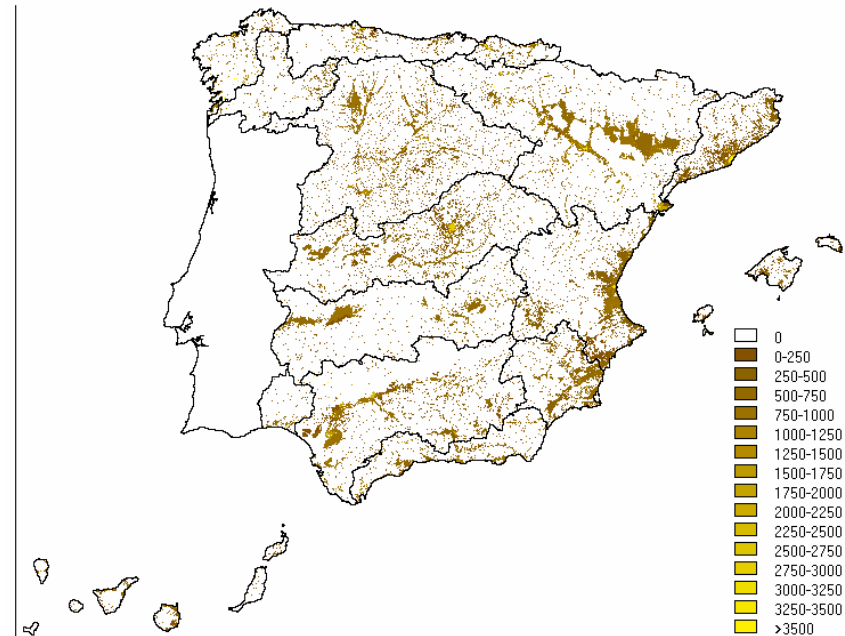
Mean annual precipitation (mm)

- Precipitation: 340 Km³ (690 mm)
- Natural water resources: 110 Km³
- Available water resources: 40 – 50 Km³
- Reservoir water storage: 56 Km³
- Water demand: 35 Km³
 - 24 Km³ for agriculture use
 - 4,5 Km³ for urban use
 - 6,5 Km³ for industrial use and refrigeration

Water resources situation

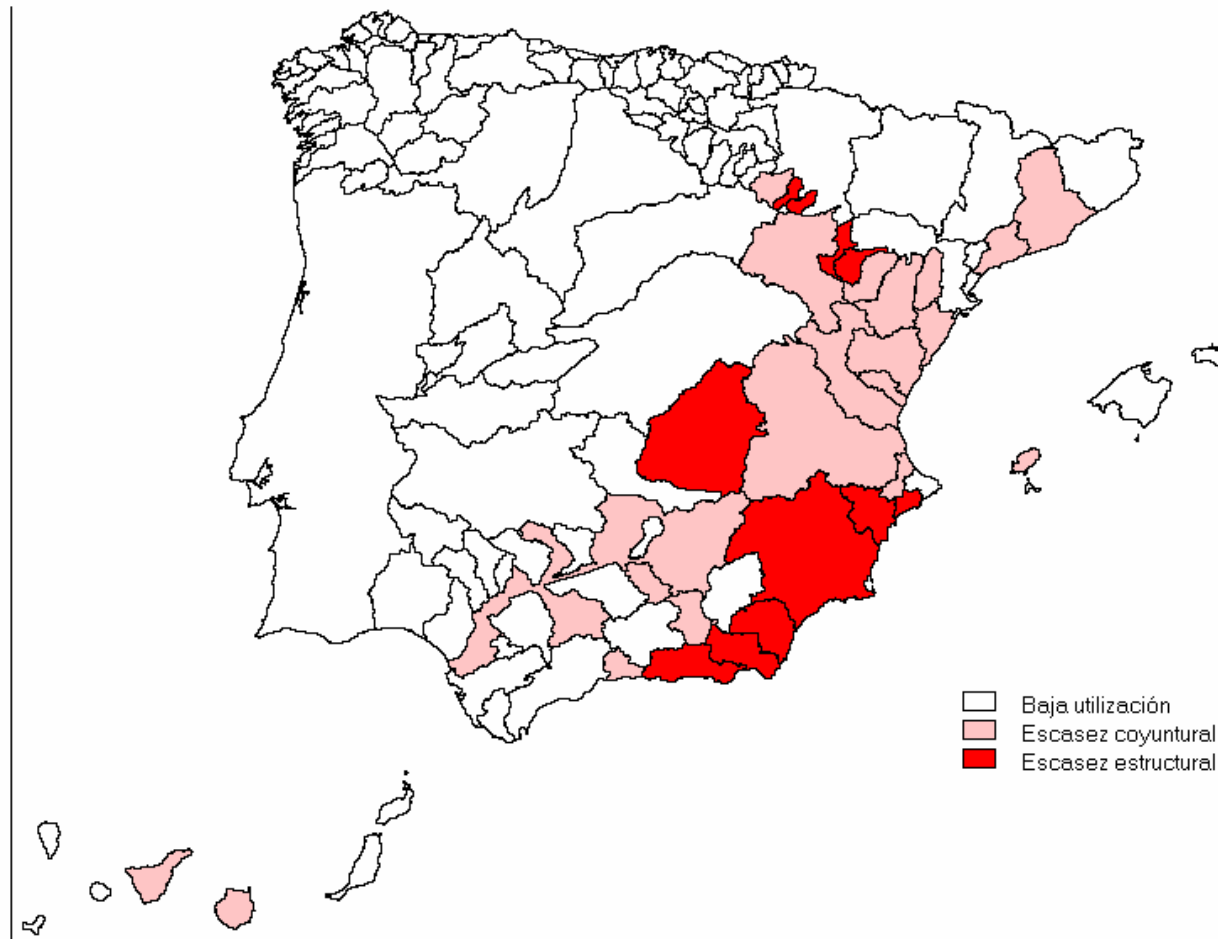


Mean annual runoff (mm)



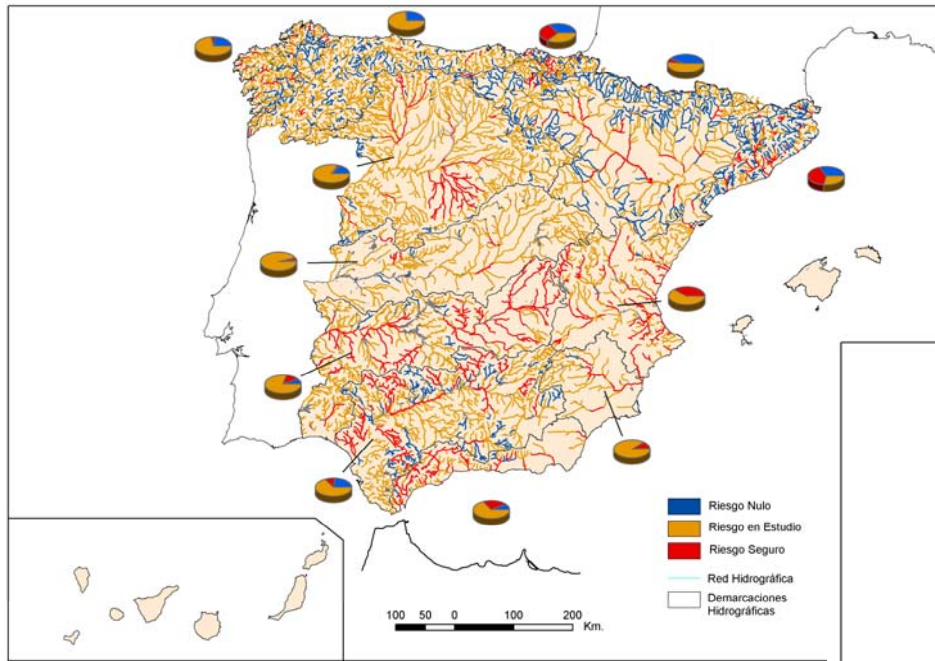
Mean annual water demand (mm)

Water resources situation



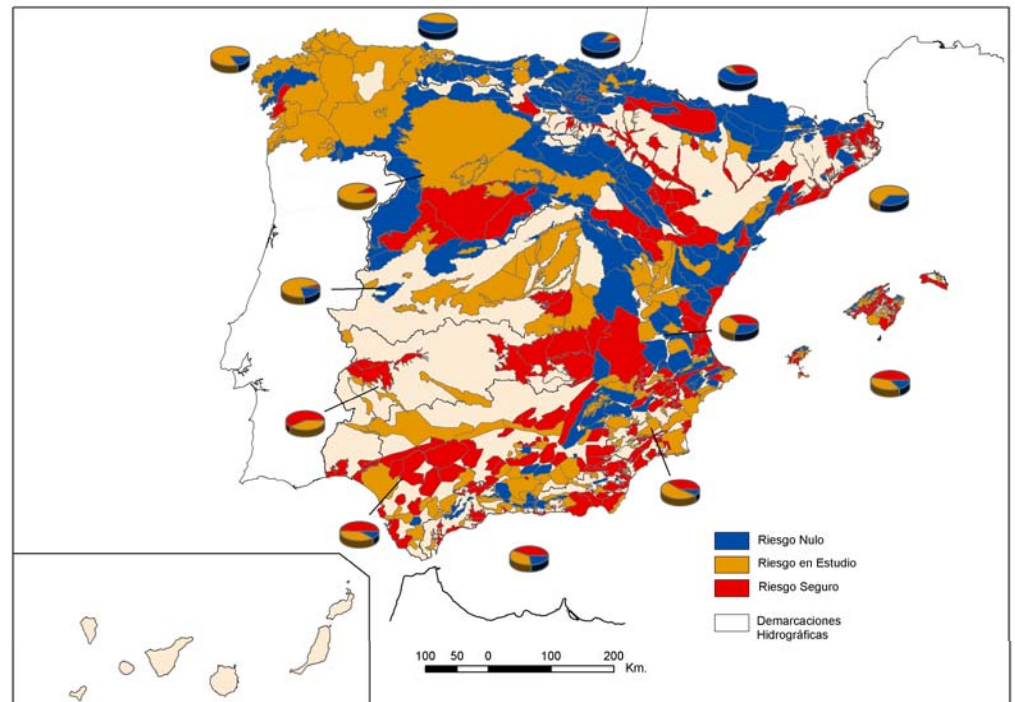
Exploitation index

Water resources situation



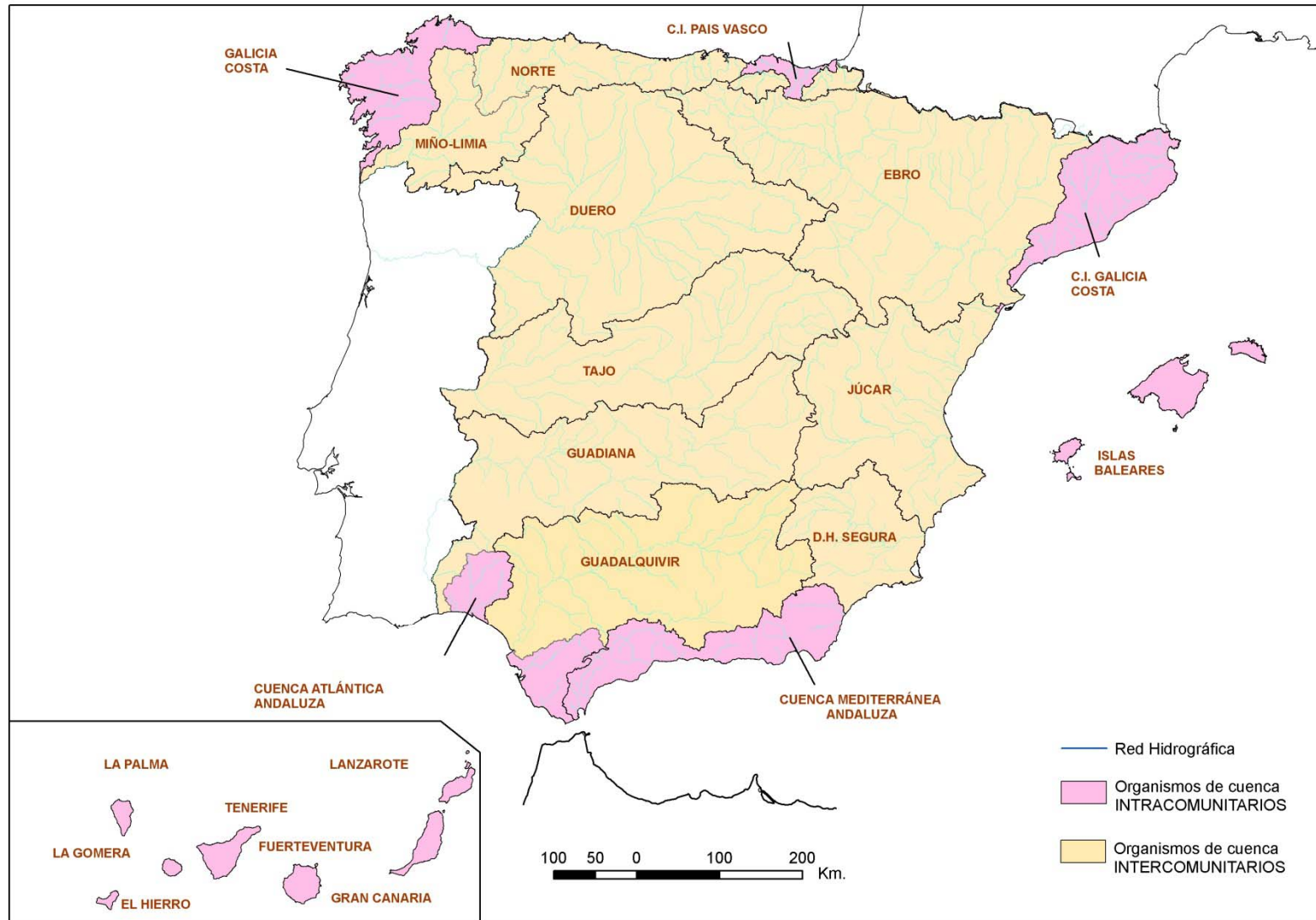
Surface waters

Water bodies at risk not to reach environmental objectives



Groundwaters

Institutional context



Institutional context

- Reform of the River Basin Organizations
 - Focussed on management and water planning
- Water Act Reform Process
 - Groundwater, Public Domain, Dam safety, Economic and funding regime,...
- New regulations
 - Decree on Water planning
 - Decree on Water reuse



On-going processes and related funding

The Water Use and Management Action Program (spanish acronym A.G.U.A)

- In the framework National Hydrological Plan
- Specific actions for Mediterranean areas
 - Desalinisation
 - Water reuse
 - Integrated water resources schemes
- Actions with Public Participation Approach

Actual state, needs and challenges

- Emergency drought plans (at consultation stage)
- Drought Observatory
- Main challenges:
 - Water protection: compliance with the Water Framework Directive
 - Supplying water demands at Southern part of the country.

Future plans

- River Basin Plans (in preparation)
- National Hydrological Plan
- Specific Plans:
 - Water Quality Plan: Sanitation and Waste Water Treatment (in preparation)