

# REPUBLIC OF TURKEY MINISTRY OF FORESTRY AND WATER AFFAIRS

## BARRIERS, NEEDS AND CHALLENGES RELATED TO THE WFD IMPLEMENTATION IN TURKEY



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# AWARENESS

Still to increase the level of awareness regarding the importance of water related issues;

- Overexploitation of groundwaters
- Uncontrolled pesticide and fertilizer use
- Unmodern irrigation techniques



Results in diffuse pollution and  
negative water balance



# AWARENESS

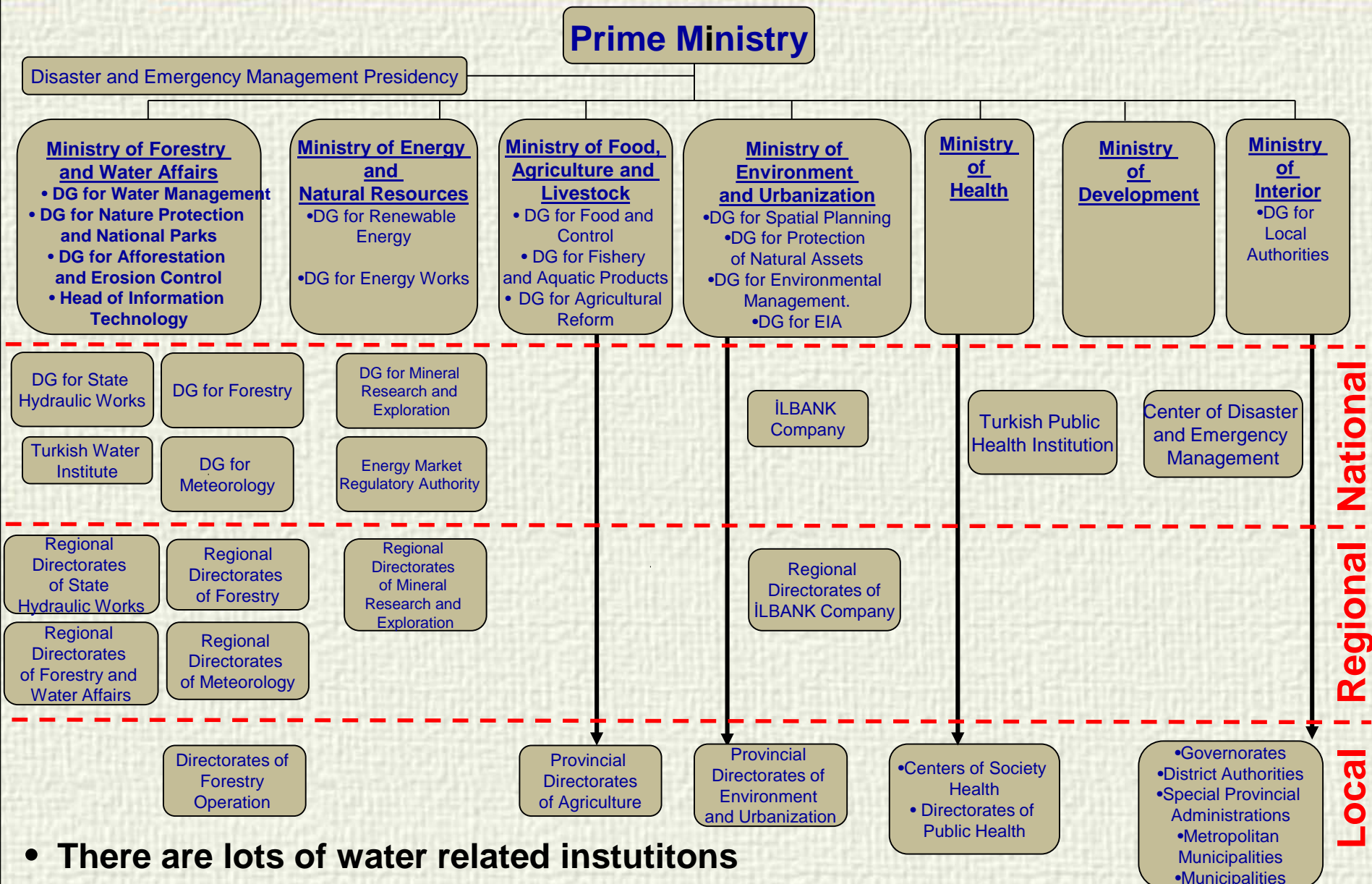
Substantial efforts to raise the awareness;

- Awareness campaigns in the basins by means of EU and national projects
- Basin Management Committees and Provincial Water Management Coordination Committees's





# INSTITUTIONAL STRUCTURE OF WATER MANAGEMENT





# REQUIREMENTS FOR WATER LAW

- Complex institutional framework in water management.
- Many legislation related with water,



Water Law is prepared as fully WFD-compliant and planned to be published in the second half of the 2016.



Institutional structure will be rearranged and water will be managed in one hand.

# MONITORING CAPABILITY

- Monitoring programmes prepared for 25 basin in line with WFD.
- WFD-complaint water sampling and analysis is improving.
- Some hydromorphological and biological indexes have yet to be determined with respect to Turkey's conditions.





# IMPLEMENTATION OF EQS

- 45 priority substances and their EQS values have already been determined by the EU Commission.
- Specific substances and their EQS values for 25 basin of the Turkey have also determined.



Setting discharge standards according to the EQS for each water body or at least sub-basin level.

- Applied approaches (i.e. Total Maximum daily load, Mixing zone, discharge test, etc.)



- ✓ It needs detailed assessment.
- ✓ Challenging to be implemented in Turkey as a developing country especially for the industrial wastewaters.

# TRANSBOUNDARY COOPERATION

## EU Base for Transboundary Cooperation

- *2000/60/EC EU Water Framework Directive* calls Member States to **endeavor to produce a single RBMP** for the whole **transboundary river basin** (Article 13.3).
- WFD also indicates that Member states shall endeavour to **establish appropriate coordination with the relevant non-Member States**, with the aim of achieving the objectives of this Directive throughout the transboundary river basin district (Article 3.5).



# TRANSBOUNDARY COOPERATION

## TURKEY'S POINT OF VIEW

- Each riparian state of a transboundary river system has the sovereign right to make use of the water in its territory without giving “significant harm” to other riparians.
- Transboundary waters should be used in an equitable, reasonable and optimum manner.
- Water is matter of cooperation rather than conflict.

## GOALS IN THE MERİÇ BASIN

- Single RBMP for Meriç Basin should be established.
- Closer and effective trilateral cooperation among riparian countries (Greece and Bulgaria) should be sustained at the basin level.
- Trilateral coordination in the process of implementation of the WFD should be established at the appropriate stages of implementation.

# TRANSBOUNDARY COOPERATION

## Current Legislative Situation in Meriç Basin;

- Separate bilateral agreements between the riparians
- Joint declarations
- Established working groups
- Bilateral cooperation meetings

## State of Play of implementation in Meriç Basin;

Good level of cooperation on early warning for floods

poor level of transboundary cooperation

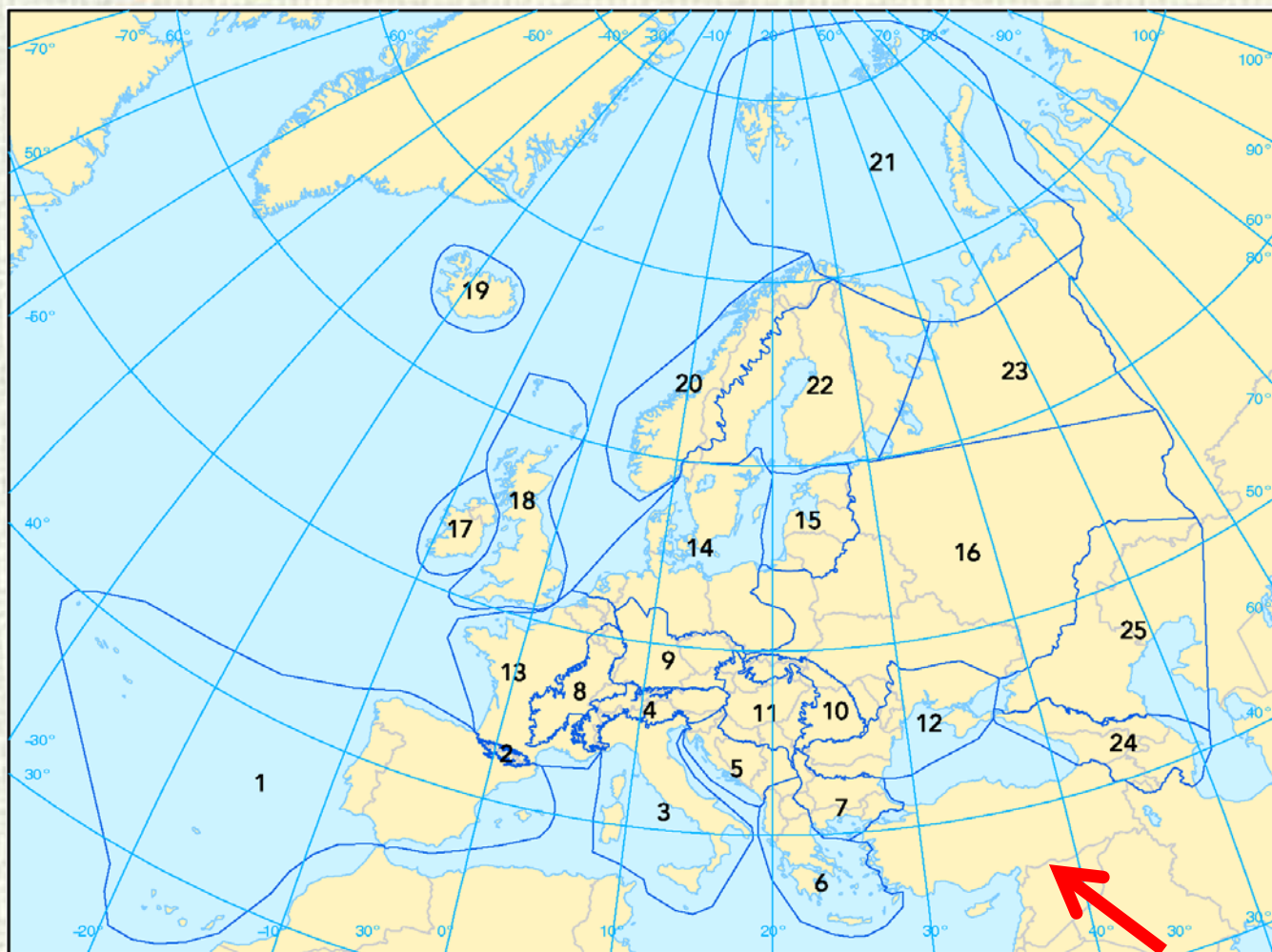
and not any cooperation by the EU Member States for the preparation of their RBMPs in the basin and Turkey has been suffered not only for the environment but also for the economic aspects.



Therefore, it is not possible to achieve the requirements of the WFD and ultimately to the good water status at the Meriç Basin unless necessary trilateral transboundary cooperation is established .



# ECOREGIONS



## Ecoregions for rivers and lakes

1. Ibero-Macaronesian region
2. Pyrenees
3. Italy, Corsica and Malta
4. Alps
5. Dinaric western Balkan
6. Hellenic western Balkan
7. Eastern Balkan
8. Western highlands
9. Central highlands
10. The Carpathians
11. Hungarian lowlands
12. Pontic province
13. Western plains
14. Central plains
15. Baltic province
16. Eastern plains
17. Ireland and Northern Ireland
18. Great Britain
19. Iceland
20. Borealic uplands
21. Tundra
22. Fenno-scandian shield
23. Taiga
24. The Caucasus
25. Caspic depression

An Ecoregion is not determined for Turkey in the Annex XI of the WFD

# ECOREGIONS

- Turkey has been used System B (Obligatory and Optional Factors Obligatory and Optional Factors) for the typology studies; therefore determine criterion for the different water categories (i.e. river, lake, transitional, coastal)



Biological, Climate and geographical aspects could not be considered at desired extent especially in the process of the determining reference conditions for each typology.



# WFD DEADLINES

## WFD Timetable for MS

Year	Issue
2000	Directive entered into force
2003	- Transposition in national legislation - Identification of River Basin Districts and Authorities
2004	Characterisation of river basin: pressures, impacts and economic analysis
2006	- Establishment of monitoring network - Start public consultation (at the latest)
2008	Present draft river basin management plan to public
2009	Finalise river basin management plan including programme of measures
2010	Introduce pricing policies
2012	Make operational programmes of measures
2015	Meet environmental objectives, first management cycle ends
2021	Second management cycle ends
2027	Third management cycle and last extension of deadlines ends

## WFD Timetable for Turkey

Year	Issue
2009	Opening of the environment chapter
2015	Start to establish RBMP for 4 basins.
2021	Establishment of all RBMP for 25 basins
2033	Achieving good water status.

According to the national programme of Turkey, it is aimed to achieve good water status in 2033, 6 year after the EU.

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