

Freshwater and catchment biodiversity focusing on challenges, opportunities in relation to water quality

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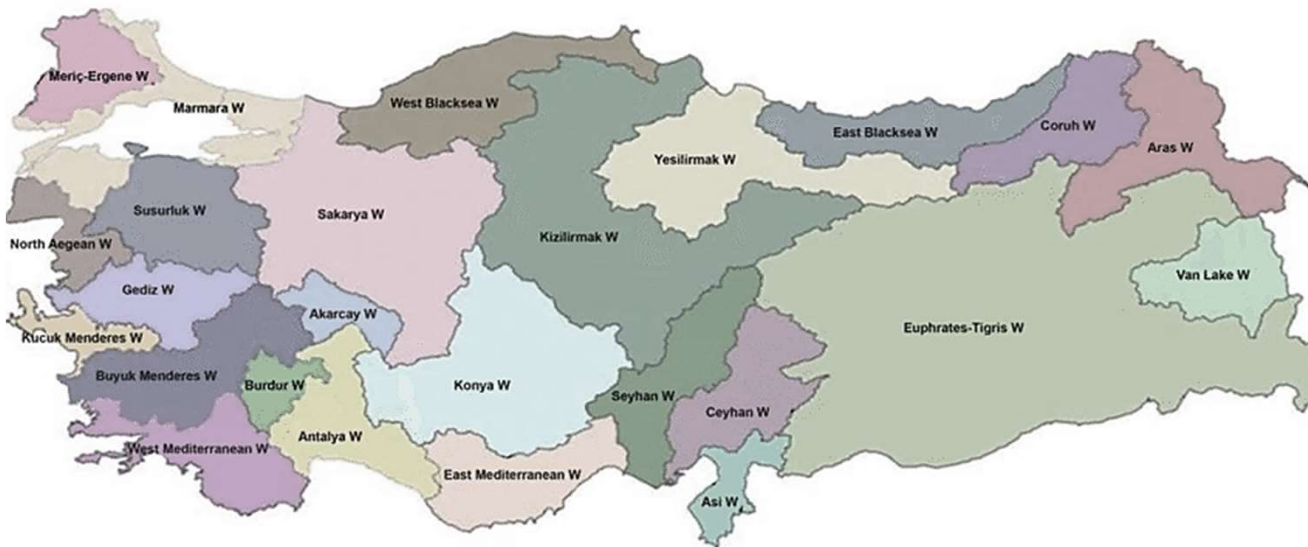
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Harmonization with EU Directives



- Türkiye initiated the harmonization and implementation of the European Union Water Framework Directive (WFD) to its national legislation.
- Water policy in Türkiye is aiming to achieve ecological and chemical "good status" in all water bodies in line with the EU WFD.
- The Regulation on Surface Water Quality harmonizes Türkiye's legislation on surface water quality and classification with EU directives, adapting them to the country's specific conditions.

River Basin Management Plans



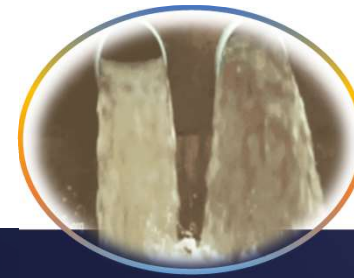
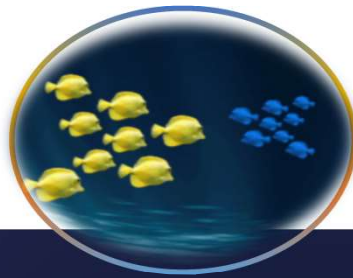
The 12 (twelve) River Basin Management Plans are in effect and the remaining 13 (thirteen) are in progress.

- Environmental Quality Standards
- Ecological and chemical "good status" for:
 - The human health
 - Ecosystem safety

Ecosystem Based Integrated Water Quality Monitoring Studies



Protecting the quality and quantity of water resources



ECOLOGICAL STATUS

- Hydromorfological Quality Elements
- Biological Quality Elements
- Environmental Flow



CHEMICAL STATUS

- Physicochemical Parameters
- Specific Pollutants
- Priority Substances



WATER STATUS

MONITORING

Environmental Flow Assessment

Environmental Flow Assessments consider factors like:

- Unique area conditions (protected areas),
- Protected species,
- Project characteristics
- to ensure adequate flow preservation for ecosystems.

New Project to Protect Biodiversity in Sea and Inland Waters



The necessary measures will be taken to ensure the continuation of rich aquatic life by creating a "Red List" regarding fish, their biological characteristics, habitats and reserves in both our seas and inland waters.



Further Studies & Plans

- Different plans such as drought management plans, flood risk management plans, sectoral allocation plans which include environmental flows and wetland management plans are integrated to River Basin Management Plans in a more coordinated way for ecological safety.
- Legislation for environmental flows needs to be clarified as a basis of scientific and technical research. The By-Law on Protection of Wetlands is planned to be amended by including a specific provision for environmental flows in the near future.
- The Draft Law of Protection of Biological Diversity and Nature and the Draft Water Law are under review and need to be adopted as legal frameworks to further develop ecological security of our water resources.
- Transformation of currently used technological based discharge standards to receiving water body based discharges standards for industrial wastewaters is critical. By doing so, we could implement environmental quality standards more efficiently.



Thank you!