

**SECTORAL WATER ALLOCATION PLANS, SOCIO-ECONOMIC AND
ENVIRONMENTAL ANALYSIS**

PREPARED BY FATMA SAĞDIÇ

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EXPERTISE THESIS ABSTRACT

As the demand for water resources is increasing steadily, this study explains the basic components, the scope and the planning stages of sectoral water allocation as an approach to find water resources in required quantity and quality, and efficient usage of water resources. This study also evaluates the scale and examples of sectoral water allocation. In regard to the need to better understand the content of sectoral water allocation as a management mentality underlying the effective and productive usage of water resources, related terminology and approaches are also explained in detail, specific to mentioned topics.

Planning stages in sectoral water allocation is one of the important topics of this study. As is known, the basic goal of the water management is to protect the resources and provide the highest benefit for the public in parallel to water usage. The sectoral water allocation aims to provide sharing water equitable and balanced among stakeholders using water in various production activities and consumption processes. The principals concerning this sharing are determined within the framework of planning studies. Therefore, issues that need to be examined from the starting period until the final stage of planning are discussed in this study. starting the planning and issues that need to be examined until the final stage are discussed in this section.

Finally, social, economic and environmental analyses are included. To make the right decision about effective, efficient and fair water allocation is only possible by considering social, economic and environmental analyses. The mentioned analyses are required as we need well-directed management approach about continuative economic activities that depend on water being the input of production processes, under the condition that the projected social welfare is achieved

and maintained; the natural resources are used by considering the environmental carrying capacity, and this sensitive balance is protected. Besides; by including three different epitomist studies of water allocation, projections of water allocation, envisaged scenarios and conditions, restrictive factors and obtained results are examined in this study. After these examinations, the strategic road map is defined for planning and implementation processes of the first basin-based sectoral water allocation plan in Turkey.

Key words: Sectoral Water Allocation, Sectoral Water Allocation Plan Based on Basin, Environmental Flow Analyses, Environmental Flow Management, Socio-Economic Analyses.