

EVALUATION OF ADAPTATION POLICIES AND MEASURES OF COUNTRIES THAT HAVE SIMILAR CLIMATE CONDITIONS TO TURKEY IN TERMS OF APPROPRIATENESS TO TURKEY

**PREPARED BY SEÇİL KARABAY
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EXPERTISE THESIS ABSTRACT

Climate change affects all the species and the entire planet. It is one of the most serious threats the World faces, with its ramifications on the current and future weather conditions and social and economic development expectations of countries. The rapid increase in the number of extreme events has brought about losses of life and property, economic costs and environmental degradation, creating pressure on governments. The adverse effects of climate change have increased dramatically with the industrialization process.

Turkey is located in the Mediterranean Basin, under the influence of the Mediterranean climate with its four seasons. The Fourth Assessment Report of Intergovernmental Panel on Climate Change (IPCC) points out the negative impacts and great challenges that the countries of the Mediterranean Basin are likely to face in the conceivable future, the foremost of which is “water scarcity”. Accordingly, it is of paramount importance to develop policies and adaptation measures to combat with adverse effects of climate change.

The aim of this study is to analyze the adaptation policy frameworks and measures implemented by countries under the influence of the Mediterranean climate to mitigate the effects of climate change (coastal erosion, salinization, flood, epidemic, drought, etc.), with a view to form a roadmap for Turkey. In this context, Greece, Italy, Spain, Chile, USA-California and Lebanon are selected, and based on a comparison of the policies and measures of these states and those of Turkey, suggestions are drawn for the latter.

Key words: climate change, Mediterranean Basin, adaptation measures and policies, extreme weather events