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## An assesment on energy profile and strategy of Turkey under European Union perspective

**Ayşe Ergun Amac**

Kocaeli University, Turkey

Energy is one of the main issues for countries to sustain their existence economically and socially in our era. It is a well known fact that the petroleum, one of the primary energy sources, is located in specific regions. In that respect, it is seen that the most important reason of the complex political circumstances in the world is to reach energy resources. Fast increase of world population and technologic developments cause ascending energy needs. Resources are limited and there is nothing human can do about it. Therefore, the countries, which want to have a place in the world, should produce their energy policies. Their goals should be to obtain not only uninterrupted, reliable, clean, and cost-effective energy, but also create variety of resources and models of energy safety that count geopolitical facts. Consequently, optimizing resources, protecting the environment and ergo planning are vital issues while processing the energy. In this presentation, various information and data about the subject are compiled and energy appearances of the world, European Union and Turkey are introduced grafically and statistically. Moreover, the efforts of Turkey's being energy corridor between Asia-Europe are mentioned in the report. Building reliable and sustainable relations between countries, exterminating the energy source problem and using it as a tool for peace are main goals of Turkey with this project. In order to make this principle in reality, Turkey needs to the sincere support of the European countries and also developing countries. Turkey would like to serve as a bridge to provide global energy security.

### Biography

Ayşe Ergun Amac received the BS degree (with honors) in Electrical Education from Marmara University, Istanbul, Turkey in 1994 and the MS and the PhD degrees in Electrical Education from Kocaeli University, Kocaeli, Turkey in 1997 and 2003 respectively. From 1995 to 2003, she was a Research Assistant in Kocaeli University, Technical Education Faculty. From 2002 to 2004, she was in the Illinois Institute of Technology, Chicago, as a Research Scholar to study on active filters. She has been with the Department of Electrical Education, Kocaeli University as an Assistant Professor from 2004 to 2013. She was in the University of Wisconsin-Milwaukee, Milwaukee as a Research Professor to study on renewable energy in 2013. Since 2013, she has been with the Department of Energy System Engineering, Kocaeli University, Technology Faculty, Kocaeli, as an Associate Professor. Her current research interests are hybrid electrical vehicles, renewable energy and switched reluctance machines.

ergunayse@yahoo.com

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