



The CLAVIER (Climate Change and Variability: Impact on Central and Eastern Europe) project running from 2006 to 2009 is supported by the European Commission's 6th Framework Programme as Specific Targeted Research Project under the Thematic Sub-Priority "Global Change and Ecosystems". CLAVIER is coordinated by Dr. Daniela Jacob, Max-Planck Institute for Meteorology in Hamburg, Germany.

The nations in Central and Eastern Europe (CEE) face triple challenges through the ongoing economic and political transition, continuing vulnerability to environmental hazards and longer term impacts of global climate change. In this case, the overall aim of CLAVIER is to make a contribution to successfully cope with these challenges.

The project addresses the following scientific goals:

- investigation of ongoing and future climate changes and their associated uncertainties in Central and Eastern European Countries (CEEC);
- analyses of possible impact of climate changes in CEEC on weather pattern and extremes, air pollution, human health, natural ecosystems, forestry, agriculture and infrastructure as well as water resources
- evaluation of the economic impacts of climate changes on CEEC economies, concentrating on four economic sectors, which are agriculture, tourism, energy supply and the public sector.

Three representatives CEE Countries
- Hungary, Romania and Bulgaria - are studied in detail.

To investigate linkages between climate change and its potential impact, CLAVIER brings together researchers from 6 countries and different disciplines. Thus,

ongoing and future climate changes over CEE countries are analysed based on existing data and climate projections with very high detail to fulfil the need of local and regional impact assessment. The major efforts focus on linkages between climate change and its impact on weather patterns, air pollution, extreme events, and on water resources. Furthermore, an evaluation of the economic impact on agriculture, tourism, energy supply and the public sector is conducted.

The CLAVIER target regions for impact studies are shown in the Figure "CLAVIER Target regions: cyan – hydrological/water management; green – agriculture; grey - energy; yellow – tourism".

A substantial part of the project is also in close contacts with a wide range of user groups from CEE countries, who will benefit from the CLAVIER results. CLAVIER closely cooperates with the EU projects ENSEMBLES and CECILIA.

Please visit the project website to find more information about CLAVIER:
www.clavier-eu.org

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