



A step towards realizing a pan-European Climate Service – Activities of the Climate Service Center in the ECLISE project

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The overall objective of the EU funded project ECLISE (Enabling Climate Information Service for Europe) is to take the first step towards the realisation of a European Climate Service. The approach of this pan-European effort is to conduct 26 case studies in which researchers closely cooperate with users of climate information to develop and demonstrate local climate services to support climate adaption policies.

ECLISE focuses on climate-vulnerable regions in Europe, and analyzes four sectoral levels: cities, water resources, coastal defence and energy production. The ECLISE approach covers all elements of flow of information including climate modelling, impact modelling and implementation of simulations into the decision making process on adaptation measures development.

The Climate Service Center Germany (CSC) is one of 12 project partners and leads the work package integration and synthesis of project results. CSC contributes to the maintenance of dialogue between researchers and users and conducts climate simulation. One main task of CSC in ECLISE is to provide an outline and proof of concept for a pan-European Climate Service as a key outcome of the project.

To reach this objective the first step is to provide an inventory of existing Climate Service initiatives around the globe. The ECLISE case study results will be analysed to investigate the functionality of local Climate Services within these demonstrations. In cooperation with other modelling groups CSC conducts climate simulations for whole Europe with a spatial resolution of 10 Km and for climate-vulnerable regions in particular with high spatial resolution (2-4 Km). These results will be implemented for further local impact and adaptation studies which will be done in close cooperation with local decision makers. The users of climate information in ECLISE are representatives from local and regional authorities, municipalities and decision makers from enterprises.

In 2012 a broader set of European decision makers and stakeholders will be involved in an upcoming workshop to discuss the needs and requirements for a cross-boundary Climate Service in Europe.

All project results will finally be integrated and synthesized by CSC to propose in conceptual terms how a pan-European Climate Service could operate.