

Integrated Climate Change Concept for the City of Chemnitz

C&E · Consulting und
Engineering GmbH

C&E

D-09117 Chemnitz • Jagdschänkenstraße 52
Tel.: +49 (0) 371 881 4228 • Fax: +49 (0) 371 881 4311
E-mail: info@cue-chemnitz.de
Internet: www.cue-chemnitz.de

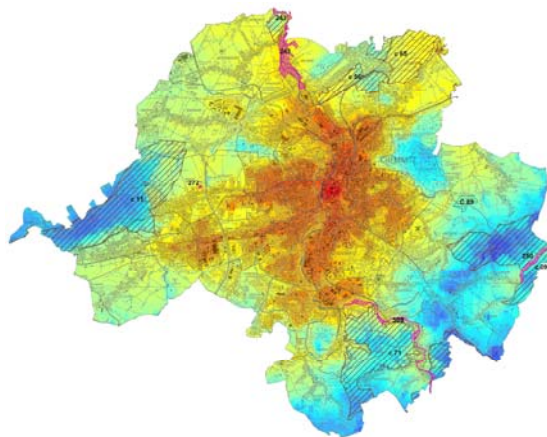
Project Objective: Chemnitz is the city with a history of more than 800 years, it is situated in the heart of Saxony. The city is the third-largest in the new Federal States; about 245,000 people live here. Chemnitz was, and still is, a city with a flourishing economy. The study is based for the further socio economical development of the city and will be used for political decision support.

Client: City of Chemnitz

Beneficiary: City of Chemnitz

Year: 2008-2009

Budget: 90.000 €



The provided services included:

- CO₂-emission-diagnosis for the city of Chemnitz, and CO₂-prognosis for future after implementation of mitigation measures
- Climate diagnosis for the city of Chemnitz (urban area) and surroundings (rural area), Regional climate prognosis for the time span of 2010 to 2050 and 2050 to 2100 using ECHAM data base and climate scenarios, preparation of climate change maps
- Analysis of current situation and prognosis of future impacts for environment (water, soil, air), infrastructure, social economy, health, and safety
- risk assessment for environment (water, soil, air), infrastructure, health, and safety
- elaboration of an conception of mitigation measures and action plan
- Support for the elaboration of the participation of the city at the European Energy Award
- Support for the elaboration of the kindergartens in Chemnitz for the energy contracting
- evaluation of measures for energy efficiency
- evaluation of the possibilities of the usage of renewable energy, especially solar energy and bio-energy
- potential analysis for self serving energy
- Support for the city development concept
- Support and management for obtaining funds for the realisation of the future concepts
- Establishment of GIS and a database to collect, to archive and to demonstrate the climate change effects, the risks and the proposed measures for mitigation