

coolregion

Energy efficient cooling in regions
of North and Central Europe

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If you would like to

- receive the newsletter or
 - participate in the international network meetings or
 - know more about the project or
 - provide information on energy consumption for cooling and best-practise examples etc. or
 - if you have questions on the project
- do not hesitate to contact the project partners in your country or the project co-ordinator:

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For more information visit our project website:

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Intelligent Energy  Europe

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Increasing thermal loads, large-sized glass facades and higher demands on indoor climates result in a higher demand for cooling also in the temperate climate zones of the EU. For both new buildings and those under refurbishment, "cooling prevention and energy-efficient cooling" has a low priority today. This is mostly due to the lack of awareness and know-how.

The project **COOLREGION** aims to address these barriers by a series of well-targeted dissemination activities.

The project regions & partners

The COOLREGION project includes regions in Austria (Upper Austria), Bulgaria (Sofia Capital City), France (Rhône-Alpes), Germany (city of Münster and district of Steinfurt), Poland (Silesian voivodeship), Slovenia and The Netherlands.

8 partners participate in this project which is co-ordinated by GERTEC GmbH Ingenieurgesellschaft from Germany. The regions focus on different building types (e.g. office buildings, elderly people's homes etc.).

Partners:

- BEAR Architecten B.V., The Netherlands



- DWA Installatie- en Energieadvies, The Netherlands



- GERTEC GmbH Ingenieurgesellschaft, Germany (project co-ordinator)



- O.Ö. Energiesparverband, Austria



- Fundacja na rzecz Efektywnego Wykorzystania Energii, Poland



- Gradbeni institute ZRMK, d.o.o., Slovenia



- Rhôneénergie-Environnement, France



Project Overview

1. Analysis of the regional cooling market

As a basis for the project activities, the present and future situation of each of the regional cooling markets are analysed. This is a challenging task, as in most regions, data on the energy consumption for cooling is not readily available. The analysis provide information about energy used for building cooling, the technologies used as well as estimations about the future developments.

2. Identification of the regional actors and national experts

The identification of the local actors (local authorities, planners, architects, craftsmen, building owners and users etc.) and national experts (manufacturers and traders of air-conditioning equipment, energy agencies and universities etc.) is essential for all the dissemination activities. Understanding the interests of the different actor groups regarding cooling issues is the basis for developing practical instruments and targeted activities.

3. Set-up of a European and regional network

At present, there is very little know-how transfer between the actors in this field. Therefore, activities to exchange knowledge and experiences on a regional and European level are being carried out within the project. Such activities include regular network meetings, seminars and excursions to best-practice examples and pilot building.

4. Collection of benchmarking data

Decision makers in the service sector and planners are often not aware of the high energy use for cooling and the possibilities to reduce it. Therefore, the project aims to establish benchmarking data for building cooling to allow an easier comparison of energy consumption for building cooling.

5. Support to a pilot building

Each project partner provides support to a pilot building in their region in the field of energy efficient cooling - this process is documented and published in a brochure.