



# Extreme Weather Conditions

Cold is a natural part of the environment in the northern regions of Europe and can be considered as a risk factor, whether encountered in the work environment or during leisure activities. In a wide range of occupational areas, such as rescue, cold and freezer room work, fishing, tourism etc, problems linked to the cold are a daily occurrence. This project aims to address this issue and focus on extreme cold conditions in the following areas:

- The development of existing (and possibly new) business opportunities in the area of extreme cold conditions
- The assembly and integration of a trans-national network within the field of extreme cold conditions consisting of experts from various cold-related fields, businesses and other organisations within society
- The implementation of a project with a practical focus, meaning that work will be concentrated on developing business opportunities such as new product ideas, training, informational material, etc.
- The organisation of workshops/conferences which will serve as a catalyst for brainstorming, connecting the networks and communicating the results

## Objectives

The objectives of the project concern the development of existing and possibly new business opportunities within extreme cold conditions in prevention, handling and minimising the consequences of disasters related to harsh or polluted environment, body cooling, emergency medicine and the Human Machine Interface (HMI). The project aims will be reached through cooperation between the four partners and their expansive individual networks: the Centre for Emergency and Disaster Medicine (AKMC), Sweden; Oulu Regional Institute of Occupational Health (ORIOH), Finland; Kunnskapsparken Bodø AS, Norway; and Highlands & Islands Health Research Institute (HIHRI), Scotland.

## Project activities

1. The development of products to be used in cold climates
2. The development of models and recommendations for patient handling
3. The improvement of exact knowledge, practises and education, as well as material for these activities
4. The creation of a functional, multinational network to find creative ways to capitalise on the cold climate through trans-national co-operation
5. The development of cold related human resources in the NP region through training and sharing of information

## Expected results

The expected results from the project are threefold:

1. The project will help to further develop existing business opportunities, and possibly new ones, in the extreme cold conditions regions of the NP.
2. The project will result in the sharing of knowledge with a relevant audience in the NP region.
3. The project is expected to result in the identification of a number of new product development opportunities.

The added value of the project for the NPP region is that it will bring together a transnational team of experts, in order to create a unique knowledge base which can be exploited both locally and in other cold environments. The project will disseminate this knowledge to the industry players through developing training and educational materials, and running an international innovation workshop. The transnational nature of the project allows for wider experience in a variety of environments and across various industry sectors. The network of experts created will form an important resource for the support of entrepreneurs and businesses in the Northern Periphery area.

## Partners

ORIOH – Oulu Regional Institute of Occupational Health - Sweden

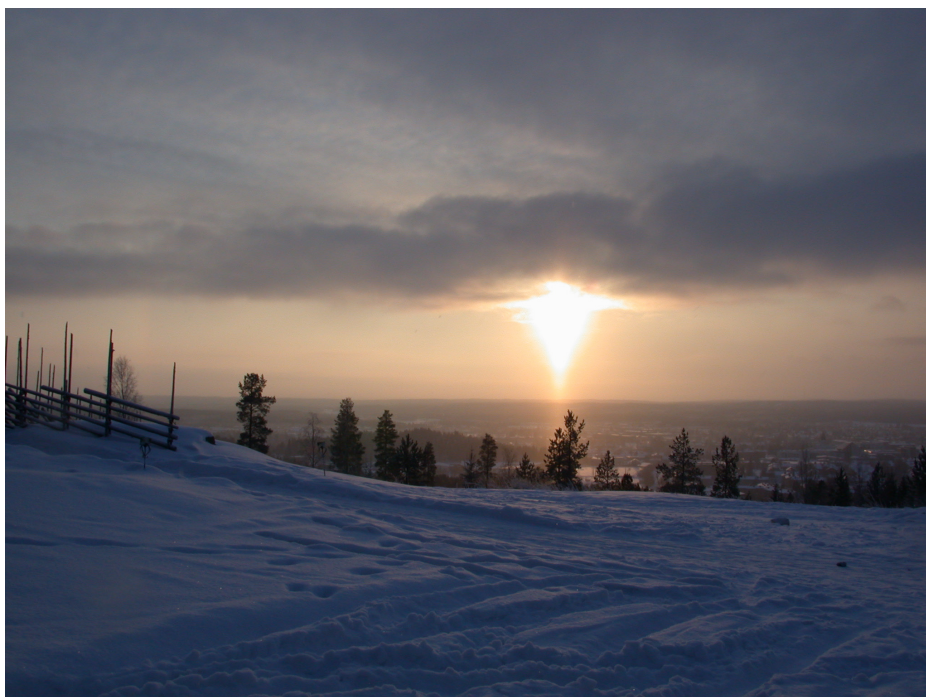
Kunnskapsparken Bodø AS - Norway

Highlands & Islands Health Research Institute - Scotland

Highlands & Islands Health Research Institute - Scotland

## Project website

<http://www.ewcp.org>



### Measure

2.2

### Total Budget

766 700

### NPP Award

410 850

### Project Period

01/09/2004 - 01/09/2006

### Countries Involved

Sweden, Norway, Scotland

### Lead Partner

#### Organisation

Centre for Emergency &  
Disaster Medicine, Sweden

#### Project leader

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