

ASTRA PROJECT CASE STUDY AREAS

The case study areas were jointly identified by scientists in cooperation with regional planners comprising the following areas:

ESTONIA

Estonian Archipelago,
Cities of Tallinn
and Pärnu

FINLAND

Pirkanmaa Regions,
Cities of Espoo,
Raahe and Kokkola

GERMANY

Oder River Estuary

LITHUANIA

Curonian Spit,
City of Klaipeda

LATVIA

Salaca River Basin,
City of Riga

POLAND

Odra River Estuary,
Cities of Gdansk
and Sopot



ASTRA PROJECT CONSORTIUM PARTNERS

FINLAND

- Geological Survey of Finland, Finland (Lead Partner)
- Centre for Urban and Regional Studies (CURS)
- City of Raahé
- City of Espoo
- Pirkanmaa Regional Environmental Centre
- The Association of Finnish Local and Regional Authorities
- City of Kokkola
- City of Helsinki
- City of Loviisa
- Regional Council of East Uusimaa
- Regional Council of Uusimaa
- The Association of Finnish Energy Industries

GERMANY

- TuTech Innovation GmbH
- Potsdam Institute for Climate Impact Research (PIK)
- Baltic Sea Research Institute Warnemuende (IOW)
- Office for Environment and Nature, Rostock
- Regional Planning Office Vorpommern

LATVIA

- University of Latvia
- Riga City Council
- Infosab Ltd.

ESTONIA

- Tallinn Pedagogical University
- Geological Survey of Estonia (EGK)
- City of Pärnu
- City of Tallinn

LITHUANIA

- Environmental Centre for Administration and Technology (ECAT)
- Vilnius University
- Institute of Geology & Geography
- City of Klaipeda

POLAND

- Polish Geological Institute (PGI)
Gdansk
- Voivodship Inspectorate of Environmental Protection
Szczecin
- City of Gdansk
- City of Sopot
- Regional Board of Water Management in Gdansk

SWEDEN

- Swedish Environmental Protection Agency
- The Office of Regional Planning and Urban Transportation
- The County Administrative Board

Further information available on:

<http://astra-project.org>

or from:

Geological Survey of Finland
Betonimiehenkuja 4
02151, Finland



Contact Persons:

Philipp Schmidt-Thomé (Project co-ordinator)
E-Mail: philipp.schmidt-thome@gtk.fi
Michael Staudt (Project Manager)
E-Mail: michael.staudt@gtk.fi

TuTech Innovation GmbH
Harburger Schloßstr. 6-12,
D-21079 Hamburg, Germany
Contact Persons:
Prof. Dr. Walter Leal, Ralf Erat,
Franziska Mannke
E-Mail: astra@tutech.de



Project part-financed by the European Union
(European Regional Development Fund) within
the BSR INTERREG III B NP programme



Developing Policies and Adaptation Strategies to Climate Change in the Baltic Sea Region



www.astra-project.org

ASTRA PROJECT BACKGROUND

The impact of climate change, along with the societal impacts of natural hazards, play an important role in the spatial and economic development of regions.

The economical losses caused by natural hazards are rising continuously.

Climate change has potential long-term effects on the living environment, sea level rise and coastal protection.

Positive responses towards these impacts on development are mid to long-term strategies that are supported by decision makers and other stakeholders, including regional and local planners.

Although global research recommends counter-measures, detailed knowledge on sub-areas is lacking. Furthermore, the spatial planning approach is almost totally lacking strategies and means to create a common understanding on effects of climate change.

ASTRA is the follow-up project of the Interreg III B project "Sea Level change effecting the spatial development in the Baltic Sea Region (SEAREG)": www.gtk.fi/slr/



ASTRA PROJECT PROFILE

Focussing on the Baltic Sea Region (BSR), the project "**Developing Policies & Adaptation Strategies to Climate Change in the Baltic Sea Region (ASTRA)**" assesses regional impacts of the ongoing global change in climate and develops adequate strategies and policies for climate change adaptation.

The Interreg III B project "Developing Policies & Adaptation Strategies to Climate Change in the Baltic Sea Region (ASTRA)" is co-financed by the European Regional Development Fund (ERDF) of the European Union. The lead partner of the project is the Geological Survey of Finland and the partnership comprises research institutes and regional planning offices around the Baltic Sea Region.

The ASTRA project runs from June 2005 to December 2007.

PHASE 1

Screening phase
Milestone 1 (June 2005 to Dec 2005)

PHASE 2

Impact and vulnerability assessment
Milestones 2, 3 (Jan 2006 to Dec 2006)

PHASE 3

Development of adaptation strategies
Milestones 4, 5 (Jan 2007 to Dec 2007)



ASTRA PROJECT AIMS

The main objective is to assess regional impacts of the ongoing global change in climate and to develop strategies and policies for climate change adaptation.

In detail, the project will address threats arising from climate change in the Baltic Sea Region, such as extreme temperatures, droughts, forest fires, storm surges, winter storms and floods.

In order to elaborate adaptation and mitigation strategies, it is inevitable to **involve regional and spatial planners as well as stakeholders**. Entry points and integration to existing planning processes and methods will be identified.

As a result, concrete mitigation and adaptation strategies around the Baltic Sea Region will be reviewed and policy recommendations are to be presented.

WORK PACKAGE 1

Adaptation strategies for regional planning purposes

WORK PACKAGE 2

Dissemination

WORK PACKAGE 3

Development of policies and adaptation strategies for the Baltic Sea Region

