



Astra

WP 1- Adaptation strategies for Regional planning purposes

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Hamburg-Harburg

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and country co-ordinators

Objectives

- ⇒ Impact , Vulnerability and Risk assessment on different spatial scales: National / Regional / Local Scale
- ⇒ Covering the BSR countries with local and regional pilot studies combining planning issues and CC impacts
- ⇒ Development of national, regional or local adaptation strategies
- ⇒ Development of regional and local planning models, tools and instruments - Implementation of case studies to trial adaptation strategies and test measures

Responsible partners: all case study partners

Planned results

- ≡ Methods and tools for spatial planning taking into account socio-economic and environmental climate change effects

Strategic focus: Assessment of climate change effects on regional and local level

Outputs:

- ≡ At least 1 to 6 impact studies (report, maps)
- ≡ GIS databases
- ≡ Local and regional impact reports
- ≡ Publication, newspaper articles

Sub projects

- ≡ Sub-project 1: ASTRA Finland (Loviisa, Raahe, Espoo, Pirkanmaa region etc.)
- ≡ Sub-project 2: ASTRA Estonia (Estonian archipelago, City of Tallinn, river Pärnu, river Pirita)
- ≡ Sub-Project 3: ASTRA Latvia (Salaca River basin, City of Riga)
- ≡ Sub-project 4: ASTRA Lithuania (City of Klaipeda, Curonian spit)
- ≡ Sub-project 5: ASTRA Poland (City of Gdansk, National Park, Polish Oder river basin)
- ≡ Sub-project 6: ASTRA Germany (German Oder river basin).

Phases

Phase 1: Screening phase

≡ Milestone 1 – June 2005 to December 2005

Phase II: Impact and vulnerability assessment

≡ Milestones 2,3 (January 2006 to December 2006)

Phase III: Development of adaptation strategies

≡ Milestones 4, 5 (January 2007 to December 2007)

Milestone 1

Activities:

- ≡ Screening and scoping study in the case study areas.
- ≡ Evaluation of publications and reports. Collection of topographic and thematic maps.
- ≡ Identify stakeholders and decision makers in the case study areas.
- ≡ Elaborate a concept and a schedule for the case study work.
- ≡ Identification of the decisive climate impacts in the different case study areas.
- ≡ First climate impact research input from PIK.
- ≡ Detailed project work plan for WP2 in Milestone 1

Outcomes: Collection of essential data and information for each case study area

Outcomes: Screening phase

Milestone 1 – June 2005 to December 2005

- ≡ Detailed work plan for each case study/partner (input for WP2)
- ≡ Screening phase and data collection of essential data in the case study areas
- ≡ Contacts with authorities and stakeholders, involvement of outer circle partners
- ≡ Climate modelling input data from the Potsdam Climate Impact Research Institute (first version)
- ≡ Identification of the relevant climate change effects
- ≡ Input from every partner to the winter storm study (WP3- Development of Policies and Adaptation Strategies for the BSR)
- ≡ Input document from every partner describing climate change effects and adaptation issues in their case study, planned work, min. one page document (WP 2 – Dissemination)

DEADLINE: 15.December 2005

Phase II: Impact and vulnerability assessment – Milestone 2



Milestone 2:

Activities

- ≡ Interpretation of PIK's input or national climate data
- ≡ Identification of the decisive climate impacts according to the PIK scenarios for each sub-project.
- ≡ Active work begins in subproject case study areas.
- ≡ Activities will be performed according to your detailed work plan developed in WP2MS1.

Outputs: National contribution for each sub project to the project activity report.

Phase II: Impact and vulnerability assessment – Milestone 3



Milestone 3:

Activities

- ≡ First application of the common strategy in the sub project areas.
- ≡ Implementation and interpretation of the results of WP 3- Milestone 2
- ≡ Activities will be performed according to your detailed work plan developed in WP2MS1.

Outputs: First results such as GIS impact maps and screening reports for each subproject

Phase III: Development of adaptation strategies



Milestone 4:

Activities:

- ≡ Development of methods and tools for local and regional application (case study specific)
- ≡ Activities will be performed according to the detailed work plan developed in WP2MS1.

Output: Report document how the methods and tools have been developed and how they can be integrated into regional, local spatial development

Phase III: Development of adaptation strategies



Milestone 5:

- ≡ Integration of the developed methods and tools into existing planning procedures in each sub-project area.
- ≡ Activities will be performed according to the detailed work plan developed in WP2MS1.

Outcomes: Guidelines how to integrate the developed tools and methods in existing policies or recommendations.

Nomination of WP leader and country coordinators



WP leader

Proposal:

ASTRA Finland

Proposal:

ASTRA Estonia

Proposal:

ASTRA Latvia

Proposal:

ASTRA Lithuania

Proposal:

ASTRA Poland

Proposal:

ASTRA Germany

Proposal:

Thank you!



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