



**DEVELOPING POLICIES AND  
ADAPTATION STRATEGIES  
TO CLIMATE CHANGE IN THE  
BAL TIC SEA REGION**



**UNIVERSITY OF LATVIA**



**NATIONAL RESEARCH PROGRAMME  
“CLIMATE CHANGE AND WATERS”**

*The 3<sup>rd</sup> International ASTRA Conference*

# **“Climate change and waters”**

**CONFERENCE VENUE –**

**MAGNA AULA**

**UNIVERSITY OF LATVIA**

**19 Raina blvd.**

**Final Programme**

*Conference language will be English*

**Wednesday May 09, 2007**

15.00	<b>ASTRA project meeting</b> Chairperson: Michael Staudt (University Senate hall)
16.30	<b>COFFEE BREAK</b>
17.00	<b>ASTRA project meeting</b> Chairperson: Michael Staudt (University Senate hall)
19.00	<b>DINNER</b>

**Thursday May 10, 2007**

09.00	<b>REGISTRATION AND COFEE</b>
10.00	<b>Welcome</b> Vice-rector of the University of Latvia professor Indriķis Muižnieks
10.10	<b>Welcome</b> In the name of organizers of the conference prof. Māris Kļaviņš, Agrita Briede
10.20	<b>Welcome</b> Ministry of Environment, Latvia
10.30	<b>Introduction into the ASTRA project</b> Philipp Schmidt-Thomé, Geological Survey of Finland, Finland
10.40	<b>National research program on climate change in Latvia</b> Andris Andrušaitis, Māris Kļaviņš, University of Latvia, Latvia
<b>TOPIC 1: CLIMATE CHANGE IMPACTS AND ADAPTATION STRATEGIES</b> CHAIRPERSON: MĀRIS KĻAVIŅŠ	
11.00	<b>The 4th Assessment Report of the IPCC, what does it imply for adaptation to adverse effects of climate change in the Baltic Sea Area.</b> J. Kropp, Potsdam Institute for Climate Impact Research, Germany
11.20	<b>National climate change adaptation strategy in Latvia</b> V. Bisters, Climate and Renewable Energy Department, Ministry of Environment, Latvia
11.40	<b>Climate change adaptation on the European policy agenda</b> L. Peltonen, Helsinki University of Technology, Finland
12:00	<b>How to adapt to climate change: overview on strategies and instruments</b> K. Eisenack, Potsdam Institute for Climate Impact Research, Germany
12.20	<b>LUNCH</b>
<b>ORAL PRESENTATIONS</b> CHAIRPERSON: SIMO HAANPÄÄ	
13.30	<b>Keynote lecture:</b> <b>Finland's national adaptation strategy to climate change - progress made and lessons learned</b> P. Heikinheimo, Finnish Ministry of Agriculture and Forestry, Finland
14.20	<b>Adaptation strategies to climate change in Lithuanian Baltic Sea coastal management</b> G. Zilinskas, D. Jarmalavicius, P. Sinkunas, Institute of Geology and Geography, Lithuania
14.40	<b>Towards climate change adaptation strategies in the BSR</b> W. Leal – Filho, F. Mannke, TUTECH Innovation GMBH, Germany
15.00	<b>COFFEE BREAK</b>

15.30-18.00	<p style="text-align: center;"><b>Panel discussion:</b></p> <p style="text-align: center;"><b>How to integrate climate change adaptation issues into existing development policies?</b></p> <p style="text-align: center;"><b>Moderator:</b> Jacobus Hofstede and Philipp Schmidt-Thomé</p> <p style="text-align: center;"><b>Panel discussions</b> <i>(5-10 min presentation each)</i></p> <p>R. Kruse, Member of Parliament, CDU, Spokesman for Finance and sustainability, City of Hamburg, Germany  L. Peltonen, Helsinki University of Technology, Finland  V. Bisters, Climate and Renewable Energy Department, Ministry of Environment, Latvia  I. Buteniene, Klaipeda municipality, Lithuania  J. Hannila/M. Hagström, City of Kokkola, Finland  J. Koskikallio, City of Espoo, Finland  I. Bruņeniece, Climate and Renewable Energy Department, Ministry of Environment, Latvia  M. Jacewicz, Regional Board for Water Management, Poland  J. Wincek, Gdansk Development Office, Poland</p>
18:00	<b>END OF DAY 1</b>
19:00	<b>CONFERENCE DINNER</b>

**Friday May 11, 2007**

<b>TOPIC: LOCAL AND REGIONAL CLIMATE CHANGE IMPACT ASSESSMENTS</b>	
<i>CHAIRPERSON: LASSE PELTONEN</i>	
9.30	<b>Keynote lecture:</b> <b>“Potential climate change effects in the North sea and Baltic sea Region”</b> Jacobus Hofstede, Schleswig-Holstein state Ministry for Agriculture, Environment and Rural Affairs, Germany
<b>ORAL PRESENTATIONS</b>	
10.20	<b>Regional climate models as data source for hydrological modelling</b> U. Bethers, J. Gaideliene, University of Latvia, Laboratory for Mathematical Modelling of Environmental and Technological Processes, Latvia
10.40	<b>Climate change and it’s impacts in Latvia</b> A. Briede, M. Kļaviņš, J. Lapinskis, University of Latvia, Faculty of Geographical and Earth Sciences, Latvia
11.00	<b>COFFEE BREAK AND POSTER SESSION</b>
11.40	<b>The prognosis of Curonian Spit dunes evolution and their protect strategies because of climate change</b> A. Cesnulevicius, A. Bautrenas, R. Morkunaite, B.Karmaza, Institute of Geology and Geography, Lithuania
12.00	<b>Evaluation of the impact of climate change on bed and bank erosion in stream channels and the resulting sediment delivery to the River Daugava</b> J. Soms, Daugavpils University, Latvia
12.20	<b>Evaluation of the sea level rise aspects on the Lithuanian coast and modelling of its impacts</b> J. Seckus, L. Z. Gelumbauskaite, Institute of Geology and Geography, Lithuania
12.40	<b>DISCUSSION</b>
13.00	<b>LUNCH</b>
	<b>Parallel Session A</b> Facilitator: Andris Andrušaitis
	<b>Parallel Session B</b> Facilitator: Andis Zīlāns
14.00	<b>Mathematical modelling for hydrological processes of Aiviekste River basin</b> J. Senņikovs, U. Bethers, A. Timuhins, University of Latvia, Laboratory for Mathematical Modelling of Environmental and Technological Processes, Latvia
	<b>Institutional vulnerability of spatial planning systems in the Baltic Sea region</b> S. Haanpaa, Helsinki University of Technology, Finland
14:15	<b>Nutrient load and water quality in the Pirkanmaa Region</b> H. Kaipainen, Pirkanmaa regional Environmental Centre, Finland
	<b>Climate technologies in energy production in Latvia – potential and possibilities</b> D. Blumberga, Riga Technical University, Latvia

14.30	<b>The case study of Pirkanmaa regional Environmental Centre</b> T. Frisk, J. Rauhala, Ä. Bilaletdin, Pirkanmaa regional Environmental Centre, Finland	<b>Climate change impacts in the Gdansk region – vulnerability of groundwater reservoir and spatial planning</b> Z. Kordalski, W. Jegliński, D. Kaulbarsz, Polish Geological Institute, Marine Geology Branch, Poland
14.45	<b>Biological resources of coastal water and possible threats to their quality</b> E. Boikova, University of Latvia, Institute of Biology, Latvia	<b>Climate change, stakeholders and adaptation</b> K. Āboliņa, A. Zīlāns, University of Latvia, Latvia
15.00	<b>DISCUSSION</b>	<b>DISCUSSION</b>
15.25	<b>COFFEE BREAK</b>	
15.45	<b>Climate change impacts on the distribution of total annual rivers' runoff in Latvia</b> E. Apsīte, L. Širiņa, University of Latvia, Faculty of Geographical and Earth Sciences, Latvia	
16:00	<b>Climate change effects on water quality in the Oder estuary: What recent hot years tell us about the future.</b> G. Schernewski, Baltic Sea Research Institute, Germany	
16.15	<b>How climate changes can influence sustainable development in Latvia</b> R.Bebris, Ministry of Environment, Latvia	
16:30	<b>FINAL DISCUSSION</b> MODERATORS: MARIS KĻAVIŅŠ and PHILIPP SCHMIDT-THOMÉ	
17:00	<b>END OF CONFERENCE / SNACKFOOD</b>	
19:00	<b>OLD RIGA CITY SIGHTSEEING WALKING TOUR</b>	

Saturday May 12, 2007

## Conference trip

Kemeru National Park and Jurmala city: May 12, 9:00-16:00