

Research program "Climate Change and Waters" - 2007

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Generic goal of the Program:

Assess short-, medium-, and long-term impact of climate change on the environment and ecosystems of the inner waters of Latvia and the Baltic Sea. Create a scientific basis for adaptation of the environmental and sectorial policies of Latvia to climate change.

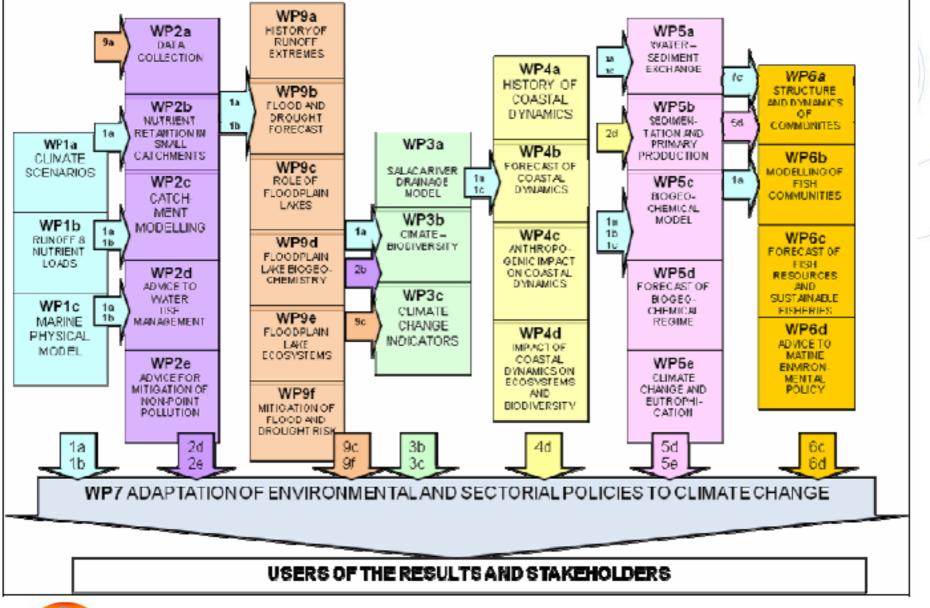
Specific goals:

- a) Create several mutually non-controversial scenarios of the regime-determining parameters;
- b) Assess possible climate change impacts on the quality of inland waters of Latvia, their availability, flood and drought risk, to facilitate adaptation of the drainage basin management and secure protection and sustainable use of water resources;
- c) Forecast possible climate change impact on the physical regime, coastal dynamics, bio-geo-chemical regime, and ecosystems of the Baltic Sea, to facilitate protection of marine environmental quality, biological diversity, and sustainable use of its resources and services.

Organization of the work

- WP 1: Climate Change Impact on Runoff, Nutrient Flows, and Regime of the Baltic Sea
- WP 2: Climate Change Impact on the Nutrient Run-off
- WP 3: Climate Change Impact on Freshwater Ecosystems and Biological Diversity
- WP 4: Coastal Processes
- WP 5: Bio-geo-chemical Processes and Primary Production in the Baltic Sea
- WP 6: Climate Change Impact on Ecosystems and Biological Diversity of the Baltic Sea
- WP 7: Adaptation of Environmental and Sector Policies to Climate Change
- WP 8: Program Management and Public Outreach
- WP 9: Runoff Extremes Caused by the Climate Change and Their Impact on Territories Under the Flood Risk







Management of the Program

- Meeting of Workpackages and planning of project activities
- Strenghtening of cooperation at national level
- Conferences and Seminars
- Participation at the development of national Climate change and Adaptation policy
- Development of Program homepage www.kalme.daba.lv









Conferences on climate change aspects





National meeting (february 2007)





National meeting (february 2007)



International conference "Climate change and waters"

2007. 10. – 12. May in Rīgā, in University of Latvia international conference "Climate Change and Waters", take place. Participants > 125 participants from 18 Baltic Sea region countries, including representatives of local municipalities, ministries from Latvia, Germany, Finland, Sweden. Result – dialogue between scientists and stakeholders

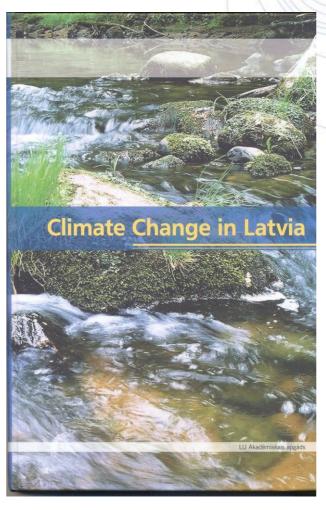




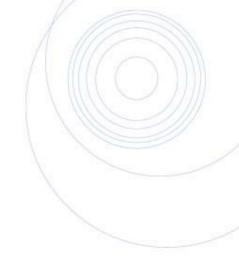


Collection of papers "Climate Change in Latvia"

The 268-page book contains 18 articles prepared by 32 authors. Topics of the articles include character of the climate change, its possible consequences, potential solutions and approach to the modelling. This work includes also proposals and the nearest-time tasks for the environmental policy.







Main results of the Program





Problems

- Delay in the start of the funding of the program
- Deviations from the funding plan
- Financial accounting system

Aggregated performance indicators and auditable values of the program

Resultativity indicators and	Number
auditable values	
Monographs	1
Defended PhD theses	3
Young researchers, PhD and MSc	40
students involved in the program	
Scientific publications in	38 articles
international and local sources	35 abstracts
Reports to media	19
Presentations at conferences	48
Created new methods	6
Organized conferences and	3
seminars	
Recommendations for elaboration	12
of the environmental legislation;	
participation in the decision-making	
process and implementation of	
these decisions	
Created original maps	7
Acquired and built laboratory	13
devices	



Most important results

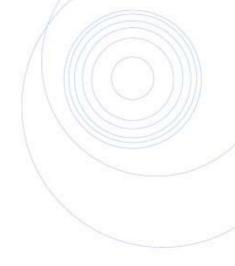
- Significant and new research
- Infrastructure development to support sustainability of climate change and aquatic research
- Strengthened cooperation at national level between different units and schools
- Active participation in the formulation of the national climate policy
- Raising public awareness on climate change issues

What we have achieved









Thank you for attention!



