

Seminar on Climate Change Adaptation in the Gulf of Finland

The Geological Survey of Finland (GTK) arranged a 1-day seminar on Climate Change Adaptation in the Gulf of Finland in Espoo. The purpose of the seminar was to gain the state-of-the-art information on climate change adaptation in Finland and in the Russian Federation as well as to be informed of the on-going research activities. It also enhanced the sharing of experience in climate change studies between Finnish and Russian experts and land use planners.

The seminar was directed to the CliPLivE project partners and other stakeholders and target groups. The invitations were sent to regional and local authorities and research organizations. The lecturers were invited not only from project partner organizations but also from other research organizations.

The seminar was opened by GTK Division Manager Petri **Lintinen**. Project Manager Vasily **Litvinenko** gave the introduction to the CliPLivE-project and its activities.

Natural hazards, vulnerability and climate change adaptation

Johannes **Klein** from the Aalto University, Department of Real Estate, Planning and Geoinformatics gave a review to recently finished BaltCICA –project (Climate Change: Impacts, Costs and Adaptation in the Baltic Sea Region). Two examples from case studies in Hanko (Finland) and in Kalundborg (Denmark) were introduced to the audience. One of the main tools for communication in the BaltCICA project was the scenario workshops that put together scientists and stakeholders. This was found very feasible way to discuss and even make the first decisions on local adaptation measures. Philipp **Schmidt-Thomé** from the Geological Survey of Finland (GTK) continued the discussion on scenario workshops and their challenges and benefits with the example from Klaipeda (Lithuania).

Climate change adaptation strategies

Sirkku **Juhola** from the Aalto University, Department of Real Estate, Planning and Geoinformatics gave a review to climate change adaptation strategies in Europe with the focus on the Nordic countries and Finland. Sanna **Luhtala** from the Finnish Meteorological Institute (FMI) gave some more facts about the National Adaptation Strategy and its implementation during her presentation. Susanna **Kankaanpää** from the Helsinki Region Environmental Services Authority (HSY) told about the Climate Change Adaptation Strategy for the Helsinki Metropolitan Area that was published in June, 2012. Yulia **Menshova** from the Committee for Nature Use, Environment Protection and Ecological Safety, the City of St. Petersburg introduced the audience with the climate change adaptation policy of the city of St. Petersburg and North Western Federal District.

Climate change and marine environment

Milla **Johansson** from the Finnish Meteorological Institute (FMI) told about the recent studies on sea level rise in the Baltic Sea and the Gulf of Finland. Elena **Nesterova** from A.P. Karpinsky Russian Research Geological Institute gave examples from climate change and marine research in the eastern Gulf of Finland.

Climate change and its impacts

Jari **Silander** and Mikko **Huokuna** from the Finnish Environment Institute (SYKE) gave an introduction to the flood management in Finland and flood map production. Flood hazard and flood risk maps were presented. Kristiina **Nuottimäki** from the Geological Survey of Finland (GTK) showed the preliminary results on flood hazard assessment that includes information on soil permeability and soil sealing. Sanna **Luhtala** from the Finnish Meteorological Institute (FMI) presented the national climate change website of Finland – climateguide.fi – and its main components. This platform serves reliable, studied and practical climate change information for citizens and decision makers.