
[EJ] Evening Poster | A (Atmospheric and Hydrospheric Sciences) | A-CG Complex & General

[A-CG38]Science in the Arctic Region

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The Arctic and circumpolar region is the key area for the study of global change because the anthropogenic impact is projected to be the largest in this area due to the complicated feedback processes of the nature. A number of international and interdisciplinary research projects have been conducted for the studies on the land-atmosphere-ocean system. In order to understand the feedback processes occurring in the Arctic and to project the global warming in the future, we need to establish the intense observational network and to exchange the knowledge and information by combining the different scientific communities under the common interest of the Arctic. The objectives of this session are 1) to exchange our knowledge on the observational facts and integrated modelling and 2) to deepen our understanding on wide range of natural sciences related to the Arctic and the circumpolar region. Studies on humanities, social sciences, and interdisciplinary fields are also welcomed.

[ACG38-P18]Sea ice distribution and glacier surface change, Russian Arctic

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Increasing temperature and precipitation are seen in the Arctic. Sea ice decreasing in Eastern Russian Arctic are large and sea surface temperature are increasing. Western Russian Arctic is also seeing drastic xchange in sea ice distribution. In this study, glaciers around Kara sea was analysed with comparing sea ice change and glacier surface chage.