

European Geosciences Union

General Assembly 2016

Vienna, Austria, April 17-22

Report

The **European Geosciences Union General Assembly**, taking place annually at the Austria Center Vienna (ACV), was held on 17 – 22 April 2016. The conference was participated by more than 13 500 scientists from 109 countries among which 78 % were students and early carrier scientists. This is the biggest conference in Geosciences in Europe.

During the meeting scientists from around the world had an opportunity to present and discuss the latest advances in the geosciences at the 619 unique scientific sessions as well as during poster sessions and PICO presentations. The conference also offered wide range of educational sessions for early carrier scientists in a form of short courses and topical meetings, including writing a good grant proposals and how to write and publish your research.

Session **OS1.10** entitled **Atlantic water in the main gateways to the Arctic Ocean - impact on climate, sea ice, tidewater glaciers and ecosystem** was devoted to recent changes observed in the ocean, sea ice and marine ecosystems and their relationship to the variability of Atlantic water inflow through Fram Strait and the Barents Sea. The aim of the session was also to discuss the links between these recent changes and the large-scale oceanic circulation, climate changes in the Arctic region and the interactions between the ocean, atmosphere and ice, which are responsible for the retreat of Arctic tidewater glaciers. During the session I had an opportunity to show results of my study in the presentation entitled **Spatial and temporal variability in distribution of water masses in Hornsund, Spitsbergen**, focusing on changes in hydrographic conditions over the last 15 years in Hornsund and their links to recent observations in the changing Arctic.

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Agnieszka Promińska



Spatial and temporal variability in distribution of water masses in Hornsund, Spitsbergen

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