

**Joint EUMETSAT/AMS Conference 2013  
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Dear European Meteorological Society,

First of all, I would like to thank the European Meteorological Society for awarding me with the Young Scientist Travel Award (YSTA). It is a great honor to receive the award, which gives the opportunity for students and young scientists to attend to the conferences like that one. It enabled me to participate in the 19<sup>th</sup> Joint EUMETSAT/AMS Conference, which was held from 16-20 September 2013 in Vienna.

The annual EUMETSAT Meteorological Satellite Conference represents one of the major events in the world for meteorological, climatological and environmental scientific communities. Most of the space-faring institutions and meteorological organizations were presented at this conference. Oral presentations, poster sessions and invited plenary talks took place during the conference. The conference program contained 14 sessions.

My scientific contribution to the conference was a poster entitled «Methodology for Polar Low studying for the Arctic region using retrieved water vapour from satellite passive microwave data» which was presented in the 7<sup>th</sup> Session «Water vapour observations from satellites on the water». The present-day meteorological observational network has severe limitations in detecting all, especially small mesoscale cyclones, so there is a strong need for new and/or improved methods to detect and monitor polar lows. Satellite remote sensing seems to be the most feasible tool for early detection and monitoring of the polar lows. Due to the emerging opportunities for economic activity in the waters of the Arctic region, the creation of polar low climatology for the Arctic region represents of a vital importance not only for scientists but also for decision-makers, energy and shipping companies. An absolutely new polar low climatology above the Nordic Seas was made, which was based on entirely on passive microwave radiometer data of SSM/I from 1995-2009.

The conference allowed me to broaden my vision on the world's needs by learning to understand and to hear interests standing behind the expressed statements by different people. In additional the participation in the conference provided me with certain knowledge and skills to work with different remote sensing data. The conference gave me an opportunity to deepen and broaden my knowledge the research on hydrometeorological processes using remote sensing data for which I am very grateful. The conference gathered some of the world's leading scientists, with the 600 participants in total, and also provided me with a great opportunity to get to know experts and scholars from fields of my research, to share opinion and knowledge and to outline possibilities for scientific projects with them.

I would like to thank once again the European Meteorological Society for their support and splendid opportunity to interact with the leading experts and researchers and to discuss various scientific topics. I hope to participate in the following EUMETSAT Meteorological Satellite Conference 2014 in Geneva to present new sophisticated results.

Yours sincerely,  
Julia Smirnova