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26th IUGG General Assembly 2015

International Union of Geodesy and Geophysics
Prague, Czech Republic

The annual conference called General Assembly of the International Union of Geodesy and Geophysics (IUGG) was held from June 22 to July 2, 2015 in the Prague Congress Centre in Czech Republic. The meeting was characterized by the central theme "Earth and Environmental Sciences for Future Generation". I was participated in this with my oral presentation: "Regional scale climatology of global change carbon dioxide flux on the ocean surface for North Atlantic and the Arctic" (https://www.czech-in.org/cm/IUGG/CM.NET.WebUI/CM.NET.WEBUI.scpr/SCPRfunctiondetail.aspx?confID=05000000-0000-0000-0000-000000000053&sesID=05000000-0000-0000-0000-000000003175&absID=07000000-0000-0000-0000-000000026174).

Presentation was classified to the plenary session: The North Atlantic and Climate Change, which included topics: relevant physical and biogeochemical processes in the North Atlantic, ocean-atmosphere interaction, including oceanic drivers of atmospheric variability, the role of the North Atlantic for uptake and storage of heat and anthropogenic carbon, interaction between the North Atlantic and the Nordic Seas/wider Arctic system, and a lot more.

In the IUGG conference were presented almost 5400 contributions out of more than 5700 submissions (more than 2200 as posters) in a total of 202 symposia and workshops, divided into 639 sessions. IUGG is a non-governmental, scientific organization, established in 1919. IUGG is one of the 31 scientific Unions presently grouped within the International Council for Science (ICSU). IUGG is comprised of eight semi-autonomous Associations, each responsible for a specific range of topics or themes within the overall scope of Union activities. These eight International Associations are: International Associations of Cryosphere Sciences, Geodesy, Geomagnetism and Aeronomy, Hydrological Sciences, Meteorology and Atmospheric Sciences, Physical Sciences of the Ocean, Seismology and Physics of the Earth's Interior, Volcano and Chemistry of the Earth's Interior. PhD students of CSP KNOW with her presentation took part in International Association for the Physical Sciences of the Ocean (IAPSO). All conference programs were divided by these eight Associations.

I presented changing of the CO2 content in the North Atlantic, European Arctic and West Spitsbergen, comparison of this content to the wind speed and difference in partial pressure between air and the sea, annually and monthly changing of net CO2 flux.

My participation in the conference was possible due to funds of the Leading National Research Centre (KNOW) received by the Centre for Polar Studies for the period 2014-2018, which I would like to sincerely thank.

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Regional scale climatology of global change of CO_2 flux on the ocean surface fluxes for North Atlantic and the Arctic

Iwona Wróbel and Jacek Piskozub

P09 The North Atlantic and climate change, IUGG-4726