



## **“On the gate of Arctic”: Doors open to foreign schools**

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With the increased attention to the changing of the Arctic Region as a consequence of global climate changes, effective science education, outreach and communication need to be higher priorities within the scientific communities. In order to encourage the dissemination of polar research at educational levels Slovene high school students in Trieste were first engaged at school and at the National Museum of Antarctica of Trieste using conferences and laboratory activities to introduce the main polar climate change topics. Then together with three teachers they visited Tromsø University (North Norway) for a week. The first aim of this project was to increase awareness of foreign schools on major topics concerning the Arctic issues (from the economic/social to the environmental/climatic point of view). Forty-three high school students were involved in the laboratory activities running at the University of Tromsø and participated in seminars. The topics focused on were Ocean Acidification, Global Warming and the combined effects with other anthropogenic stressors. During their stay, students interviewed several scientists in order to allow them to edit a »visiting report«, that was updated every day in their blog and to elaborate all the material collected (photos, videos, data of laboratory work, reports). In Tromsø, they were also introduced to the culture and tradition of the Scandinavian indigenous people at the Center of Sami Study. Back in Italy, they published some articles in local newspapers, and then they presented their results at the National Museum of Antarctica of Trieste about all the data elaboration in an open day exhibition with posters, short movies and PowerPoint presentations. All this work was made in order to pass their experience into the world. This was a pilot project, highlighting the role of universities as links between research and outreach. The next step should be to enlarge these kinds of activities to many Schools, Universities and Research centers from different countries in order to build a classroom educational network.