Revitalization of the A. B. Dobrowolski Polish Antarctic Station (Bunger Hills, East Antarctica)

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Summary

As part of the agreement on research cooperation between the Institute of Geophysics, Polish Academy of Sciences (IG PAS) and the Russian Arctic and Antarctic Research Institute (AARI), four Polish scientists joined the 67th Russian Antarctic Expedition (RAE) in the summer season 2021/2022 (see also ATCM40\_bp005-e, ATCM43\_ip087-e). The group has visited the Dobrowolski Station (Poland) in the Bunger Hills, East Antarctica.

The members of the Polish expedition have inspected the condition of the infrastructure of the Dobrowolski Station after 42 years of non-use. Two accommodation huts and two measurement huts were cleaned up and new furnishings and equipment were installed. The expedition members conducted a reconnaissance geoscience program that included environmental studies, geological fieldwork in multiple sites and seismological, magnetic, meteorological and ionospheric measurements at the Station. Debris and rubbish from the huts and the surrounding area was removed and transported to Cape Town for disposal. Historical artefacts, found in the huts and nearby, were preserved and transported to Poland. The Station was left clean and in good order, ready to serve as a summer base for future expeditions. Future plans include installing an automatic and autonomic magnetometer and seismometer, and continuing research programs into geomorphology, geology and environmental remediation. Details of the Polish expedition’s activities at the Dobrowolski Station were presented at the SCAR conference in India (2022). The presentation is available online

(<https://drive.google.com/file/d/1tYUOsJiiJjirmVqmVzJ8a7bRWxc_rdmx/view>)

Mujer parada en una cocina

Descripción generada automáticamente con confianza bajaImagen que contiene exterior, hombre, naranja, sombrero

Descripción generada automáticamente *Technical works at one of the accommodation huts*