

SURLARI OBSERVATORY: WHERE WE HAVE BEEN AND WHERE WE ARE

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Geomagnetic field observations over Romanian territory have started with irregular measurements in the late XIXth century. In 1943, the foundation of Surlari National Geomagnetic Observatory marks the beginning of a new era in the systematic study of geomagnetic field by a continuous recording of its variations and by carrying out standard absolute measurements. Since 1998, Surlari observatory is an IMO (INTERMAGNET observatory). Over the next years, the basic equipment of the observatory has been affected by significant physical and moral wear, especially under the context of rapidly developing technologies and of the high performance acquisition process, so that the observatory was faced a growing risk not to continue to be part of the INTERMAGNET observatory network. Since March 2009, in the frame of a bi-lateral cooperation, the Helmholtz Centre Potsdam – GFZ German Research Centre for Geosciences supports the Geological Institute of Romania to upgrade its traditional and reliable observatory for the up-to-date INTERMAGNET standard. The general objective of the project consists in increasing competitiveness in order to maintain partnerships, as well as to add innovative products and services capable of meeting present and future requirements.

Observatory, instrumentation, standard

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