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1:200 000 Geological Maps of CIS Countries in the OneGeology international project

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Acquisition, processing, and integration of geological maps of Commonwealth of Independent States (CIS) countries for the OneGeology international project have been continued in compliance with the Resolution of the 17th Session of the CIS Intergovernmental Council on Exploration, Use and Conservation of Mineral Resources (November 2013, Minsk, the Republic of Belarus).

At the first stage (2011-2012), 1 M geological maps of CIS countries had been prepared and integrated into OneGeology. Results of this work were presented at the 34th IGC in Australia in August, 2012.

The second stage (2013-2016) has been devoted to the preparation and integration into OneGeology portal of geological maps at a scale of 1:200,000 compiled within the State Programme of Geological Mapping of the former USSR from 1954 to 1995. Raster images of the geological maps are tied and kept at the ORACLE Database in geographic coordinate system. To provide the access to the maps in the network, there is a specialize service of the Open Geospatial Consortium (WMS) on the VSEGEI sever. Marginal representation of geological maps (legend, cross-sections, and sketch-maps) is kept as raster images and can be viewed on the user's request.

Basic set of maps corresponds to the international nomenclature of a sheet at a scale of 1: 200,000 (or double sheets for northern areas) and consists of a geological map, quaternary map, and mineral resources maps.

The maps are accessible from the OneGeology geological and cartographic portal and at official websites of the Federal Agency on Mineral Resources of the Russian Federation and the Russian Geological Research Institute.

Totally, about 6,000 geological maps of a scale of 1: 200,000 and more than 20,000 raster images of marginal representation have been prepared.

The collected set of geological maps is a unique information resource on regional geology that ensures the development of geological science and solution of applied problems on the reproduction of the mineral resources base of the CIS countries.