

Prof. Patrick J. Mc.Keever

Secretary of the IGCP

ANNUAL SUMMARY REPORT OF THE NATIONAL IGCP COMMITTEE  
OF UKRAINE ACTIVITY IN 2014

1. Members of IGCP Committee

Professor, dr. of geological sciences D.P. Khrushov, correspondent member of the GEM, UNESCO, vice-president of the Litological committee of Ukraine.

Chairman

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The Committee Board includes leaders of Ukrainian working groups of IGCP projects (see below).

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2. The Committee activity

The Committee coordinates the investigations in the area of Earth sciences being carried out by a number of geological institutions in Ukraine within the limits of IGCP activity. Simultaneously the priorities of IGCP projects having been an object of the Ukrainian IGCP Committee activity meet with prior problems of Earth Sciences in Ukraine.

In 2014 four IGCP projects have been carried

1. Project No 610 “From the Caspian to Mediterranean: environmental changes and human response during the Quaternary”, 2014-2017 (a new project, proposed with participation of Ukraine). Leader of the Ukrainian working group – dr.sc.prof. V. Yanko-Hombach (Odessa National University, Odessa). The organizing of the working team has taken place. The most important scientific achievements of the current year are as follows: revision and integration of scientific materials available: revision of taxonomy of recent and fossil mollusks, foraminifera, ostracoda, as well as spore and pollen in connection with ecological and stratigraphic problems solution; studies of the main stratotypical sections in Black Sea, Mediterranean and Caspian regions (field trips).

2. Project No 598 “Environmental change and sustainability in carst systems”, 2011-2014. The leader of Ukrainian working group – dr. sc. A.B. Klimchouk (Institute of geological sciences, Kiev). The role of hypogenic speleogenesis in the evolution of carst water bearing systems, forming of mineral resources connected with carst and hazards connected with have been under investigation. The participation in the establishing of the global carst monitoring system has taken place. Dr. A.B. Klimchouk participated two project conferences.

3. Project No 575 “Pennsylvanian terrestrial habitats and biotas of Southeastern Euramerica”, 2010-2014. The leader of the Ukrainian working group – dr. sc. T.I. Nemirovskaja. The investigations of climate and tectonics events in South-Eastern Europe and Northern Minor Asia have been under investigation. The précising of international stratigraphic scale subdivisions of Lower Carboniferous and Upper Carboniferous has been conducted.

4. Project No 632 “Continental crisis of the Jurassic: major extinction events and environmental changes within lacustrine ecosystems” (2014 -2017). Project leader of Ukrainian working group – phd. O. Shevchuk:

On the basis of target oriented palinological investigations of Jurassic stratotypic sections the features of continental basins (as well as synchronous marine basins) of the East European platform south-western (Ukrainian) part were revealed, the evolution of sedimentation and ecological conditions during Jurassic period were reflected.