

Annual report of the IMA Working Group on Mineral Equilibria (WGME) for 2008

During 2008 the WGME organized and participated in the following events:

1. Symposia at the European Geoscience Union Meeting, Vienna, Austria, 13 – 18 April 2008 (EGU-2008).

GMPV02: Fluids in mantle and deep crust: physico-chemical and geomechanical perspective. Conveners: Leonid Aranovich, Wilhelm Heinrich, Leonid Perchuk, Oleg Safonov. The session included 6 oral and 12 poster presentations.

GMPV07 Metamorphic and magmatic trends in subduction/collision zones. Conveners: Taras Gerya, Leonid Perchuk. The session included 10 oral and 13 poster presentations.

2. Symposia at the International Geological Congress, Oslo, Norway, 6-14 August 2008 (IGC-2008).

MPM10: Fluids and melts in the Earth's mantle: from natural observation to HT-HP experiment. Conveners: Leonid Perchuk, Oleg Safonov. The session included 3 oral and 6 poster presentations.

MPM11: Phase transformations and geodynamics. Conveners: Taras Gerya, Leonid Perchuk. The session included 4 oral and 7 poster presentations.

3. 4th Annual International School on Earth Sciences – 2008 (ISES-08) (2-9 September, Odessa, Ukraine). The School was organized by the Department of Petrology of Moscow State University and the Department of General and Marine Geology of Odessa National University. More than 50 scientific and teaching lectures have been presented by professors, researchers, and young scientists from diverse Russian State Universities (Moscow, Novosibirsk, St.-Petersburg), Ukrainian National Universities (Kiev, Odessa, L'vov, Ivano-Frankovsk), Research Institutes of Russian Academy of Science (Institute of Experimental Mineralogy, Institute of Ore Deposites, Institute of Precambrian Geology), ETHZ (Zurich). More than 20 undergraduate students, PhD students and young scientists from Moscow, Odessa, Kiev Universities attended the I.S.E.S. Further information on the 4th I.S.E.S. and next-year 5th I.S.E.S. can be obtained from the special Internet site <http://ises.iem.ac.ru>.

4. The special volume of Lithos “Rocks generated under extreme P-T conditions: mechanisms, concepts, models” (Editors: T.V. Gerya, J.A.D. Connolly, L.L. Perchuk) is published in 2008, V. 103 (1-2). The volume collected 13 papers presented at the EGU special session in 2007.

5. The WGME traditionally has applied for organization of the special session “Kimberlites and related liquids” (Conveners Leonid Perchuk, Oded Navon and Oleg Safonov) at European Geoscience Union Meeting-2009 in Vienna, Austria.

6. 5th Annual International School on Earth Sciences – 2009 (ISES-09) (is planned for 2-9 September, Odessa, Ukraine) is being prepared by WGME. In addition to classical School (teaching lectures), the next-year event is planned to include a special session organized by Institute for Earth Science of Goete University of Frankfurt (Germany).

Executive secretary of the WGME

Dr. Oleg G. Safonov