

**Report on the eGY international conference in Pereslavl-Zalessky, June 3-6, 2009  
and CODATA TG meeting “eGY Earth and Space Science Data Interoperability”  
June 6, 2009**

The international conference “ELECTRONIC GEOPHYSICAL YEAR: STATE OF THE ART and RESULTS” ([http://egy-russia.gcras.ru/index\\_new\\_e.html](http://egy-russia.gcras.ru/index_new_e.html)) was held in Pereslavl-Zalessky, Russia on 6 June, 2009. It summarized the results of eGY program in 2007—2008. The program focused on the development of specialized virtual sources of geophysical data (virtual observatories) in the global network and improvement of systems of data selection, storage and scientific analysis of data. The conference was organized by Earth Sciences Branch of the Russian Academy of Sciences (RAS), Geophysical Center RAS, Institute of Program Systems RAS, International Institute for Applied Systems Analysis (IIASA, Vienna), Schmidt Institute of Physics of the Earth, RAS, CODATA, National Geophysical Committee RAS and International Union of Geodesy and Geophysics (IUGG).

The conference aroused great interest in the scientific community. It was attended by 120 scientists from 8 countries - Russia, France, USA, Germany, Slovakia, Ukraine and Iran - interested in the sphere of exchanging data on geosciences. The conference themes embraced practically all domains of Earth sciences: Results and showcase products of eGY in Russia, “Electronic Geophysical Year”, “International Polar Year”, “International Heliophysical Year”, “Year of the Planet Earth”, transition of World Data Centers into World Data System, artificial intelligence methods in geoinformatics and geosciences, GRID systems, geoinformation systems in fundamental and applied scientific problems, problems of geoinformatics in seismology and geocology, geomagnetic observations, geoinformatics and virtual observatories, global changes, climate and weather of the solar-terrestrial system.

In the framework of the conference the meeting of CODATA TG “eGY Earth and Space Science Data Interoperability” took place on June 6, 2009. The meeting’s participants have summarized the results of the conference in Pereslavl. The agenda of TCG meeting included the following topics: the presentation of Professor Jean-Bernard Minster, Co-Chair of the World Data System Transition Team, about the “Tsukuba Declaration” <http://egy-russia.gcras.ru/PZ-Declaration.html>; TG website, development of interoperability methodologies, scope and effectiveness of eGY results, promotion of the results of IPYs, IGY and eGY and development of international virtual laboratories in Earth and Space sciences in 2009-2010. An example of a Virtual ElectroMagnetic Laboratory (VEML, <http://www.virtual-electromagnetic-laboratory.com/>) was presented at the meeting. It unites participants from France, Russia, Greece, Japan, China, India, Philippines and Belgium. They gather international expertise in different fields of researches for contributing to Natural Hazards mitigation, through common projects mainly applied to volcanic eruptions and earthquakes. The VEML focuses on combined magnetic, electric and ElectroMagnetic (EM) studies and integrates the EM observations in multi-disciplinary researches.