



SYNERGY OF HIGH TECHNOLOGIES

REPORT ON THE HIGHLY SUCCESSFUL SECOND INTERNATIONAL CONFERENCE ON REMOTE SENSING

The Second International Conference Remote Sensing – the Synergy of High Technologies, organized by Sovzond and supported by GIS-Association, was held on 16-18 April 2008. The primary sponsor of the conference was DigitalGlobe, distributor for the high-resolution ERS data obtained from WorldView-1 and QuickBird satellites. Conference sponsors were European Space Imaging and GeoEye - suppliers of ERS data from the Ikonos satellite and advanced GeoEye space vehicle. Information support for the conference was provided by R&D.CNews (primary information sponsor), Geoprofi magazine, GeoTop electronic catalog, GISinfo newspaper, Astronautics News magazine, Aerospace Courier magazine, GIM International magazines, GEO:connexion, GIS Development.

About 300 participants from 16 countries took part in the conference, coming from Russia, Belarus, Ukraine, Kazakhstan, Uzbekistan, USA, Canada, Holland, Norway, Germany, Italy, France, Great Britain, Taiwan, Japan, India.

The conference was a meeting point for directors and lead specialists of Russian and foreign companies specializing in GIS and mapping, land registry, resolution of thematic tasks for oil and gas industry, power industry, town planning, executive and municipal management, ecology and resource management. Conference attendees included the following companies: FGUP RNOO KP, Samara Space center, NPO Mashinostroyeniya, FGUP S.A. Lavochkin NPO, M.V. Khrunichev State Research and Production Space Center, FGUP NPP VNIEM, TsPAM Aerokosmos, FGUP Priroda State center, State Enterprise of the Khanty-Mansijsk Autonomous District–Yugra VI. Shpilman Research and Analytical Center for the Rational Use of the Subsoil, FGUP Uralgeoinform, Zemlya Federal Cadastral Center, MO NIPI

Town Planning, branch of FGUP Goszemkadastrysyomka - VISHAGI, Space Research Institute of the Republic of Kazakhstan, Environmental Issues and Forest Productivity Center of Russian Science Academy, Yugra Research Institute of Information Technologies, VNIIGAZ Ltd., branch of FGUP Roslesinform (Russia), DigitalGlobe, GeoEye, ITT VIS, Bentley Systems (USA), European Space Imaging, Infoterra GmbH, INPHO GmbH (Germany), SpotImage (France), MDA (Canada), Remote Sensing Technology Center of Japan (Japan) and others.

In his opening speech, Mikhaylov Vladimir Iosifovich, Director General of Sovzond, congratulated participants on the start the Second International Conference Remote Sensing – the Synergy of High Technologies, and expressed his hope that the conference would be useful and fruitful as the branch is dynamically developing, and participation in this event offers an excellent possibility to track new tendencies and to present new technologies. He also wished the participants a constructive dialogue, success in the search for new partners, and novel decisions that would become an impetus for branch development.

The plenary session included three thematic sections. The first part was devoted to state-of-the-art and development prospects of Russian and foreign Earth remote sensing programs. The world-known suppliers of space data took part in the conference.

The second day of the conference started with "Software complexes, systems and

solutions for ERS data processing from leading Russian and foreign developers". The session fully demonstrated ample opportunities for software products for ERS data processing and geoinformation technologies to solve various tasks.

Subsequent reports were devoted to resolution of practical tasks using ERS data for oil and gas complex, mapping, forestry and agriculture, resolution of environmental issues. The following spokesmen can be emphasized:

Baranov Yu.B. (VNIIGAZ Ltd., Russia) who reported on conditions and improvement of surveying and geodetic monitoring system for oil and gas field sites in order to provide industrial safety of their development and conserve earth resources;

Bragin Ye.A. (State Enterprise of the Khanty-Mansijsk Autonomous District – Yugra VI. Shpilman Research and Analytical Center for the Rational Use of the Subsoil, Russia) who reported on construction of permanent system of actual situation display in the Khanty-Mansijsk Autonomous District based on ERS data;

Zhirin V.M (Environmental Issues and Forest Productivity Center of Russian Science Academy, Russia) who reported on interpretation of forest areas based on ERS data.

Specialized seminars were held as part of the conference. Conference participants noted the joint seminar of Sovzond and VNIIGAZ "Satellite Radar Differential Interferometric Monitoring of Earth Surface Displacements on Oil and Gas Fields under Development" where capabilities of monitoring Earth surface deformations on oil and gas fields by means of

satellite differential radar interferometry and GPS-surveys were reviewed. A joint seminar of Sovzond and Territorial Information Fund of Ural federal District on "Capabilities of Up-to-Date Optical and Radar ERS Data for Information Support of the Forestry Activity" was also well attended.

The conference included a diverse entertainment program. A reception devoted to the WorldView-1 satellite launch was arranged for conference participants, where each guest received a present from DigitalGlobe and had an opportunity to meet colleagues and exchange impressions in warm and friendly atmosphere.

The second day concluded with an evening party with an interesting show performed by an outstanding and facetious entertainer and the Dr. Watson vocal quarter. Based on results of organized competitions Sovzond and conference sponsors – DigitalGlobe, GeoEye (USA), European Space Imaging (Germany) - granted 3 certificates for the archive scene from WorldView-1, QuickBird, Ikonos satellites to most active participants of the evening party.

Abstracts and presentations of reporter speeches are currently available on the conference website in the Program section. The organizers thank all attendees for active work at the conference and invite for further constructive dialogue.

Material for this article was provided by Anna Tseyrova, Business development manager, SOVZOND.



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