

**Preliminary program of Third International conference "Earth from space – the most effective solutions"**

**Moscow Region Vatutinki recreation center of the Russian President Administration**

**December 4-6, 2007.**

**December 4**

<b>Time</b>	<b>Conference Hall. Plenary sessions.</b>	<b>Training Hall. Parallel sections.</b>
<i>08:30 - 10:00</i>	<i>Conference participants registration</i>	
<i>10:00 - 10:20</i>	<i>Opening ceremony</i>	
<i>10:20 - 12:35</i>	<i>Remote sensing data integration into information systems</i>	
<i>12:35 - 13:05</i>	<i>Coffee-break</i>	<i>Briefing with mass media</i>
<i>13:05 - 14:40</i>	<i>Disaster and risk management</i>	
<i>14:40 - 15:30</i>	<i>Lunch</i>	
<i>15:30 - 16:00</i>	<i>First day poster presentation</i>	
<i>16:00 - 17:40</i>	<i>Near-real time access to current RS data</i>	<i>«Space possibilities at earthly prices»  ScanEx R&amp;D Center master-class on RS data selection and handling</i>
<i>17:40 - 18:10</i>	<i>Coffee-break</i>	
<i>18:10 - 19:45</i>	<i>Polar research work, offshore &amp; glaciology</i>	<i>Special hydrometeo support</i>
<i>20:30 – 23:00</i>	<i>Banquet</i>	

**Conference Hall. Plenary sessions.**

10:00 - 10:20 Opening ceremony

Welcomes speeches:

N. Laverov, Vice President of the Russian Academy of Sciences, Russia

L. Kulnitsky, Deputy Head of Department of General Administration, Civil Service and Human Resources, Ministry of Natural Resources, Russia

V. Kislov, Deputy Head of Federal Real Estate Cadastre Agency, Russia

S. Korsei, Deputy Head of Department of Government Policy in Road, Motor Traffic and Urban Traffic, Geodetics and Cartography, Ministry of Transportation of Russia

10:20 - 12:35 Remote sensing data integration into information systems

Session chairpersons: G. Apponi, S. Boev, V. Gershenson

10:20-10:40 J. Trinder, ISPRS, School of Surveying and SIS, UNSW, Australia, "Recent Developments in International Remote Sensing and GIS Markets"

10:40-11:00 S. Miller, GIS-Assotiation, Russia, "Russian geoinformatics market: state and prospects. Role of RS data "

11:00-11:20 V. Gershenson, ScanEx RDC, Russia, "ScanEx R&D Center Projects"

11:20-11:40 G. Apponi, Telespazio/e-GEOS, Italy, "Operational services and applications based on the Integrated use of satellite imagery and geospatial information"

11:40-12:00 L. Spivak, Astrophysical Research Center of the Republic of Kazakhstan, "Space monitoring system of Kazakhstan: present and future "

12:00-12:20 S. Toropov, T. Keiko, "Rosgeolfond", Russia, "State authorities' powers to monitor, control and plan the management of natural resources and environment as supported by sensing of the Earth from space"

12:20-12:35 A. Balagurov, Law Center, Russia, "Remote Earth Sensing from Space: New Legal Realities"

12:35 - 13:05 Coffee-break

12:35 - 13:05 Briefing with mass media (Training Hall)

13:05 - 14:40 Disaster and risk management

Session chairpersons: A. Kudrin, A. Ruslanov

13:05 - 13:20 A. Kudrin, Federal State-Owned Enterprise, Russia, "All-Russia Scientific and Research Institute for Civil Defense and Emergency Situations" under the Emergency Committee of Russia (FGU VNII GOChS), "Algorithms of Center Operations for VNII GoChS Decisions Support"

13:20 - 13:35 A. Ruslanov, "CIP", Russia, "Monitoring of an environment with use of the space"

information”

- 13:35 - 13:50 O. Arkhipkin, Space Research Institute, Kazakhstan, “Practice of use of results of space monitoring by agencies of extreme situations”
- 13:50 - 14:05 M. Bogdanov, PNIIS, Russia, "Satellite interferometry possibilities for railway condition engineering-geological monitoring in frozen rock"
- 14:05 - 14:20 V. Shukhostanov, M. Eryomina, A. Tsybanov, V. Reutov, L. Vedeshin, Division «Diagnostics and safety of technosphere», RANS, Public corporation “Corporation Phazotron”, Presidium RAS, Russia, "Space and local air diagnostics and monitoring of modern railway transport objects and system"
- 14:20 - 14:40 A. Ishchuk, V. Shvaiko, GIS Analyst Center, Ukraine, “GIS and Remote Sensing Technologies for Ukrainian Government Information and Analytical System on Emergency Situations”

14:40 - 15:30 Lunch

15:30 - 16:00 First day poster presentation

1. N. Trofimova, S. Pervuchin, Siberian Federal University Institute of Arts and Sciences Space Monitoring Center, Russia, “The estimation remote sensing data for smoke emission from large forest fires”
2. D. Zakhidova, A. Abdurahmanov, State Committee on Geology and Mineral Resources of Uzbekistan, Institute for Hydrogeology and Engineering Geology “HYDROENGEO”, laboratory “GeoEcology”, Uzbekistan, "Applications of GIS and remote sensing data in landslide danger assessment"
3. A. Nazaryan, Geology Department, Moscow State University, Russia, "How to combine DInSAR results with field observations for earthquake study"
4. S. Shahid, Institut für Geographie, Lehrstuhl für Geoinformatik, Geohydrologie und Modellierung, Friedrich-Schiller-Universität, Germany, "Remote Sensing and GIS for predicting river runoff volume in ungauged catchments of Northwestern Bangladesh"
5. M. Radchenko, A. Ivanov, P.P. Shirshov Institute of Oceanology, Russian Academy of Sciences, Russia, "Creation of the interactive electronic Internet-catalogue of space images of Ocean process and effect in the Ocean"
6. L. Guillermo, R. Marrodán, EUMETSAT, Germany, "EUMETSAT Image Processing and Presentation System (IPPS)"
7. N. Overko, Russian State Hydrometeorological University, Russia, "Studying size, recurrence, origin and extent of Antarctic icebergs using RS data"
8. N. Ilyina, Russian State Hydrometeorological University, Russia, "North-Caspian ice-cover characteristics according to MODIS data"
9. S. Vajedian, M. Saradjian, M. ali Sharifi, Faculty of Engineering University of Tehran, Iran, "Deformation Monitoring of Earth Crust and Constrain Source Parameters of 2003 Bam (Iran) earthquake Using Interferometric Technique of SAR Images"
10. S. Pavlov, Y. Kunakov, The Ufa State Aviation Technical University, faculty Geoinformation systems, Russia, "Using remote sounding data for monitoring freshet situation in republic Bashkortostan "

16:00 - 17:40 Near-real time access to current RS data

Session chairpersons: L. Gumley, A. Shumilin

- 16:00 - 16:20 L. Gumley, University of Wisconsin-Madison, USA, "Applications of real-time products from the EOS Terra and Aqua spacecraft"
- 16:20 - 16:40 A. Shumilin, ScanEx R&D Center, Russia, “Near-real time access to current RS data.

ScanEx experience"

- 16:40 - 17:00 R. Hall, KSAT, Norway, "Real-time access to satellite images for ice navigation"
- 17:00 - 17:20 K. Prasad, SeaSpace Corp, USA, "Rapid Product Generation from MODIS and future Satellite Sensors using SeaSpace's TERASCAN Software"
- 17:20 - 17:40 A. Korosov, L.H. Pettersson, D. Pozdnyakov, Nansen International Environmental and Remote Sensing Centre, Russia, "Near Real-Time Algal Bloom and Water Quality Monitoring Services for the North Sea"

17:40 - 18:10 Coffee-break

18:10 - 19:45 Polar research work, offshore & glaciology

Session chairpersons: V.V. Mikhaylichenko, S.B. Brestkin

- 18:10 - 18:30 V. Mikhaylichenko, "Noncommercial Partnership of the Coordination of Northern Sea Route Usages", Russia, "Northern Sea Route as a part of the international transport corridor "West-East-West""
- 18:30 - 18:50 S. Brestkin, Y. Bychenkov, O. Devyataev, RF «Arctic and Antarctic Research Institute» (AARI), Russia, "The module of remote sounding of the Earth of Uniform state system of the information on conditions in the World Ocean"
- 18:50 - 19:10 A. Bourmistrov, Bodø Graduate Scholl of Business, Norway "Possibilities of cooperation between Norway and Russia in the area of commercializing of information from satellites for the needs of resource developments in the High North"
- 19:10 - 19:30 V. Alexandrov, V. Volkov, Nansen International Environmental and Remote Sensing Center (NIERSC), Russia, "SAR studies of sea ice and icebergs in the Eurasian arctic"
- 19:30 - 19:45 S. Brestkin, Y. Bychenkov, O. Devyataev, RF «Arctic and Antarctic Research Institute» (AARI), Russia, "Using of data of remote sounding of the Earth at operative hydrometeorological maintenance of navigation in the Arctic and freezing seas"

#### **Training Hall. Parallel sections.**

12:35 - 13:05 Briefing for mass media

16:00 - 17:40 «Space possibilities at earthly prices» ScanEx R&D Center master-class on RS data selection and handling

17:40 - 18:10 Coffee-break

18:10 - 19:45 Special hydrometeo support

- 18:10 - 18:30 M. Petrova, RosHydroMet meteorological agency, Russia, "Satellite imagery usage and problems during meteorological support for users in aviation"
- 18:30 - 18:50 A. Kolesov, St-Petersburg Center for Hydrometeorology, Russia, "Analysis of conventive

clouds based on NOAA satellite data for generation of very-short-range forecasts and storm alerts at St-Petersburg Hydrometeorological Center"

- 18:50 – 19:10 E. Chichkova, State Research Center of Russia, Central R&D Institute of Robotics and Technical cybernetics, Russia, "Using NOAA/AVHRR space imagery for special hydrometeo support"
- 19:10 – 19:30 I. Gorlach, Hydrometeorology Center of Russia, Moscow, "Remote sensing data for special tasks of meteosupport"
- 19:30 – 19:45 V. Petrova, West-Siberian Regional Center for RS data Reception and Processing, Nobosibirsk, Russia, "Application of MeteoGamma software processing results in aviation"

20:30 - 23:00 Banquet

**December 5**

<b>Time</b>	<b>Conference Hall. Plenary sessions</b>	<b>Training Hall. Parallel sections</b>
09:00-11:00	<i>Land cover, land use</i>	<i>Technology and data processing assets. Seminar</i>
11:00-11:30	<i>Coffee-break</i>	
11:30-12:00	<i>Second day poster presentation</i>	<i>Poster presentation: "Technology and data processing assets"</i>
12:00-13:30	<i>ISPRS Session</i>	<i>Technology and data processing assets. Seminar</i>
13:30-14:30	<i>Lunch</i>	
14:30-16:45	<i>Natural resources and environment Part 1: remote sensing technique for forests inventory</i>	<i>"Data processing in ScanMagic v.2.5" ScanEx's master-class on data processing software and technology ----- "Enhancing and geometric correction" ScanEx's master-class on data</i>

		<i>processing software and technology using Image Processor v. 3.0</i>
<i>16:45 - 17:15</i>	<i>Coffee-break</i>	
<i>17:15-19:30</i>	<i>Natural resources and environment Part 2: water bodies, subsoil use, protected natural areas</i>	<i>"Art of spatial data thematic classification and interpretation ("Thematic Pro" module)" ScanEx's master-class on data processing software and technology using Image Processor v. 3.0</i>
<i>20:30 – 21:30</i>	<i>Chamber concert</i>	

09:00-11:00 Land cover, land use

Session chairpersons: G. Gutman, L.F. Spivak

- 09:00 - 09:20 G. Gutman, NASA, USA, "Land-Cover/Land-Use Remote Sensing Applications: Introduction to the Session"
- 09:20 - 09:40 L. Spivak, I. Vitkovskaya, M. Batyrbaeva, Astrophysical Research Centre of the Republic of Kazakhstan - Space Research Institute of the Ministry of Education and Science of the Republic of Kazakhstan, "Space monitoring of long-term changes of vegetation for arid territories"
- 09:40 – 10:00 S. Covington, The Aerospace Corporation, USA, "The NASA/USGS Mid-Decadal Global Land Survey"
- 10:00 - 10:20 C. Justice, Geography Department, University of Maryland, USA, "Applications of NASA EOS MODIS Data for fire and agricultural mapping and monitoring"
- 10:20 - 10:40 L. Genc, Çanakkale Onsekiz Mart University, Turkey, "Comparison of high resolution satellite images with spectroradiometr measurements for precision Agriculture In Turkey"
- 10:40 – 11:00 E. Podest, K. McDonald, Jet Propulsion Laboratory, USA, "Remote Sensing of Open Water in Northern High Latitudes for Use in Methane Emissions Modeling"

11:00-11:30 Coffee-break

11:30-12:00 Second day poster presentation:

1. E. Baldina I. Labutina, Moscow State University, Geography Department, Russia, "Development of the

program for remote sensing monitoring of rare vegetation species in Volga delta"

2. A. Samsonov, M.A. Maximov, A.B. Baibulov, Center for Remote Sensing and GIS «Terra», Kazakhstan, "Analysis of Anthropogenic Disturbance of Ecosystems on the Territory of the Karachaganak Oil and Gas Field Using Remote Sensing Data in 2004-2006"
3. C. Serele, Agriculture and Agri-Food Canada, R. Gordon, I. Trépanier, F. Bédard, Statistics Canada, "Perspectives of improving a spring wheat yield model for the canadian praries using a NOAA-AVHRR based vegetation health index"
4. O. Arkhipova, L. Karpinskaya, SSC RAS, Russia, "Recognition of coastal vegetation zones by means of the Earth remote sensing data (inflows of lake Manych-Gudilo)"
5. V. Kravtsova, Geography Department, Moscow State University, Russia, "The last stage in the Big Aral Sea life: space monitoring"
6. O. Slinkina, S. Pervuchin, Siberian Federal University Institute of Arts and Sciences Space Monitoring Center, Russia, "Up-to date forest mapping of Northern and Central parts of Krasnoyarsk region using remote sensing data"
7. M.R. Najibzadeh, A. Sepehry, GH.A. Heshmati, A.A. Rasouli, Natural resources research center, Iran, "Evaluating land capability of Yekkeh Chenar Maraveh Tappeh for range application using ERAMS model & GIS"
8. L. Genc, H. Turhan, G. Camoglu, S. Smith, A.Yu. Erbay, Agricultural Faculty, Çanakkale Onsekiz Mart University, Turkey, "Phonological change of corn under water deficits using special indices"
9. L. Ghahramany, University of Kurdistan, Iran, "Evaluation of SPOT-5 Data for Estimation of Basal Area in Northern Zagros Forests, Baneh, Iran"
10. Ali Darvishsefat, Faculty of Natural Resources, University of Tehran, Iran, "Investigation on the Capability of Landsat7 ETM+ Data for Standing Volume Estimation of Beech (*Fagus orientalis*) Stands"
11. L. Genc, Canakkale Onsekiz Mart University, Turkey, "Spectral Characteristic of Aphids Damage on Maize"

12:00-13:30 ISPRS Session

Session chairpersons: O. Altan, J. Trinder

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| 12:00 – 12:25 | O. Altan, ISPRS, Istanbul Technical University, Turkey, "Contributions of Geo-Information Technologies to Environmental Monitoring"                        |
| 12:25 – 12:45 | J. Trinder, ISPRS, University of NSW, Australia, "The Capability of Remote Sensing For Assessing Environmental Impacts Based on Sustainability Indicators" |
| 12:45 – 13:05 | R. Sandau, DLR Berlin, Germany, "Small Satellites for Earth Observation - Prospect and Limitations"  |
| 13:05 – 13:30 | S. Morain, ISPRS, University of New Mexico, Earth Data Analysis Center, USA, "Respiratory Health Applications Using New Satellite Air Quality Sensors"     |

13:30-14:30 Lunch

14:30-16:45 Natural resources and environment Part 1: remote sensing technique for forests inventory

Session chairpersons: N. Kashpor, A. Yaroshenko

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| 14:30 - 14:45 | N. Kashpor, Department of Forest Inventory and Assessment of the Federal Forestry Agency, Russia, "Requirements of Special Governmental Authorities in RS Data for State Forest Inventory" |
| 14:45 - 15:00 | L. Laestadius, R.E. McRoberts, H. Olsson, USA-Sweden, "Remote Sensing Support for  |

National Forest Inventories in the U.S. and Sweden - Situation and Outlook”

- 15:00 - 15:15 A. Yaroshenko, Greenpeace, Russia, “State Forest Inventory Tasks According to Forest Code and Regulatory Requirement. End Users: Possible RS Data Applications”
- 15:15 - 15:30 P. Olsson, Swedish Forest Agency, Sweden, “IT-based system for authorization and monitoring of forest practices and follow-up with landowners”
- 15:30 – 15:45 D. Aksenov, E.S. Esipova, M.L. Karpachevsky, NGO “Transparent World”, Biodiversity Conservation Center, Russia, “Application Of Satellite Imagery For Appraisal Of The State Of Forests And Forest Management”
- 15:45 - 16:00 A. Maslov, A.V. Sonyushkin, Institute of Forest Science RAS, ScanEx R&D Center, Russia, “Qualitative analysis of forest fund by application of the Scanex Image Processor 3 for forest monitoring”
- 16:00 - 16:15 P. Potapov, M.C. Hansen, Geographic Information Science Center of Excellence, South Dakota State University, USA, "Global monitoring of forest cover loss using MODIS time-series data sets"
- 16:15 - 16:30 O. Cartus , C. Schmullius, M. Santoro, Friedrich-Schiller University Jena, Germany, “Creation of Large Area Forest Biomass Maps for NE China Using ERS-1/2 tandem coherence”
- 16:30 – 16:45 S. Bartalev, E. Loupian, D. Ershov, A. Isaev, Russian Academy of Sciences’ Space Research Institute - Russian Academy of Sciences’ Center for Forest Ecology and Productivity, “Global vegetation monitoring using automated technologies for Earth Observation data processing: status review and ongoing developments”
- 16:45 - 17:15 Coffee-break
- 17:15 - 19:30 Natural resources and environment. Part 2: water objects, subsoil use, protected natural areas
- Session chairpersons: S. Toropov, Y. Erbay, S. Urazayeva
- 17:15 – 17:30 S. Urazayeva, KazGeoCosmos JSC, Kazakhstan, "Natural resources and environmental protection. Subsoil use"
- 17:30 – 17:45 A.Y. Erbay, NIK System-NIK Insaat Tic. Ltd. Sti., Turkey, "A look from Turkish RS

Market: problems and future expectations"

- 17:45 - 18:00 B. Bertolini, Spot Image, France, "Planet Action: spot the impacts, engage in action"
- 18:00 - 18:15 A. Kichigin, Baikal Centre LLC, Russia, "Subsoil Use Objects Monitoring Using RSData"
- 18:15 - 18:30 B. Geldyev, A. Polyakov, M. Bitembaev, Center of Remote Sensing and GIS «Terra», Kazakhstan, "Using Remote Sensing Data for Pollution Assessment and Ecological Monitoring at Oil and Gas Fields of Kazakhstan"
- 18:30 – 18:45 A. Cassara, L. Laestadius, E.V. Smirnova, World Resources Institute - NGO "Transparent World", USA-Russia, EarthTrends: world statistics for Russia — Russian statistics for the world"
- 18:45 – 19:00 A. Vostokov, A. Khodorovsky, A. Apostolov, M. Bernstein, OOO "TVIS", Scientific Center of Aerospace Research of the Institute of Geology, National Academy of Sciences, Ukraine, Representation of "INTERFINANCE" company, Ukraine-Russia, "Quantitative Forecasts of Oil-and-Gas Reservoirs of an Area Based on Space Imagery using GIS-Technology "
- 19:15 – 19:30 V. Zatyagalova, A. Ivanov, O. Gershenzon, ScanEx RDC, P. Shirshov Institute of Oceanology, Russian Academy of Sciences, Moscow, Russia, "Sea Oil Spills Monitoring Using Radar Images and GIS "

***Training Hall. Parallel sections***

***09:00 – 11:00 Technology and data processing assets. Seminar***

- 09:00 – 09:15 V. Zaitsev, Leica Geosystems, Russia, "Remote Sensing and Aerial Photographic Survey Possibilities"
- 09:15 – 09:30 E. Maes, Eurosense, Belgium, "Practice in airborne remote sensing with modern digital techniques"
- 09:30 – 09:45 P. Titarov, Racurs, Russia, "Assessment of Cartosat-1 applicability to topographic mapping"
- 09:45 – 10:00 O. Custers, Bentley Systems, Netherlands, "Advancing GIS for Infrastructure, including the third dimension"

- 10:00 – 10:15 E. Gambarova, Scientific Research Institute of Airspace Informatiks, Azerbaijan, "The practical principles of quality evaluation of neural-classifier's object recognition product in multi-spectral high resolution satellite images using geo-information technologies"
- 10:15 – 10:30 A. Sorokin, OOO "PRIME GROUP", Russia, "TouchTable® - collaboration system for visualization, navigation and analysis of data"
- 10:30 – 10:45 V. Chekalin, "CIP", Russia, "Sharing of materials of air laser scanning, space survey and ground geodesic works - a basis of effective supply with information of the Decision Support Systems (DSS)"
- 10:45 – 11:00 A. Saveliev, A. Sonyushkin, A. Romanov, A. Ivanov, ScanEx R&D Center, Russia, "New Methods of Computer Aided Training in ScanEx Image Processor"

11:00-11:30 Coffee-break

11:30 – 12:00 Poster presentation: "Technology and data processing assets."

1. L. Halounova, Czech Technical University in Prague, Czech Republic, "Change detection in radar data for rainfall-runoff modelling"
2. A. Hosseini Asl, Shahid Beheshti University, Iran, "Establishing a Basic GIS Database for Madarsoo"
3. D. Hadjimitsis, Cyprus University of Technology, "Satellite remote sensing for land use classification in the Aral Sea basin, Kazakhstan"
4. D. Hadjimitsis, Cyprus University of Technology, "Overview of satellite remote sensing applications in Cyprus"
5. I. Kozlov, Russian state hydrometeorological university, "Internal waves, oil and surfactant films detection using radar signal scattering on sea surface"
6. O. Petrova, Russian state hydrometeorological university, "Examples of space data thematic processing within visible bands for coastal regions"
7. A. Dobrovolskaya, Russian state hydrometeorological university, "Using RS data for snow cover analysis"
8. G. Sagatdinova, Institute of Space Research, Kazakhstan, "Structural Analysis of Temperature Anomaly in the Semipalatinsk Nuclear Test Site"

12:00 – 13:30 Technology and data processing assets. Seminar

- 12:00 – 12:15 V. Vintajev, V. Nikitin, N. Ushakova, M. Gadzhijev, V. Tereshchenko, V. Skirmunt, Belgorod University of Consumer Cooperatives - Belgorod Affiliation of Modern Humanitarian Academy - JSC "Corporate Service Systems" - State Research and Manufacturing Rocket and Space Center "CSKB - Progress", Russia, "Program and Algorithm Assurance of Coordinate Matching of Digital Space Images"
- 12:15 – 12:30 D. Fedotkin, ScanEx RDC, Russia, "New Possibilities for Remote Sensing Data Processing Using ScanMagic version 2.5"
- 12:30 – 12:45 M. Alexandrov, Geo-Alliance, Russia, "Geomatica breaks down the conventional divisions in traditional remote sensing, GIS, photogrammetry, cartography, web and development tools while offering a single integrated environment, meaning fewer errors, less wasted time, and greater productivity"

- 12:45 – 13:00 I. Blinov, O. Denisenko, FSG «32 SSRIT the Ministry of Defence of Russia»  
Russia, "Problems of metrological maintenance of geoinformation systems"
- 13:00 – 13:15 O. Kolesnikova, Sovzond, Russia, "Sovzond's Process Solutions for RS Data  
Processing"
- 13:15 – 13:30 I. Wetzel, Leica Geosystems Geospatial Imaging, Switzerland, "News about Leica  
Geosystems Geospatial Imaging - last acquisitions"
- 13:30-14:30 Lunch
- 14:30-15:30 "Data processing in ScanMagic v.2.5"  
ScanEx's master-class on data processing software and technology
- 15:30-16:45 "Enhancing and geometric correction"  
ScanEx's master-class on data processing software and technology using Image  
Processor v. 3.0
- 16:45-17:15 Coffee-break
- 17:15-19:30 "Art of spatial data thematic classification and interpretation ("Thematic Pro" module)"  
ScanEx's master-class on data processing software and technology using Image  
Processor v. 3.0
- 20:30-21:30 Chamber concert

**December 6**

Time	Conference Hall. Plenary sessions	Training Hall. Parallel sections
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09:00-11:15	<i>Leading satellite programs</i>	<i>"Generation of virtual 3D landscapes" ScanEx's master-class on data processing software and technology using Image Processor v. 3.0</i>
11:15-11:45	<i>Coffee-break</i>	
11:45 - 14:15	<i>Remote sensing for region development management (Cartography, Cadastre, Russian Spatial Data Infrastructure, Town Planning Information Support Systems)</i>	<i>Education for Sustainable Development: New Information Technologies. "Specialists training". Seminar</i>
14:15-15:15	<i>Lunch</i>	
15:15-15:45	<i>Third day poster presentation</i>	
15:45-17:30	<i>Internet &amp; RS</i>	<i>Education for Sustainable Development: New Information Technologies. "Microsatellites for education and science". Seminar</i>
17:30 - 18:00	<i>Coffee-break</i>	
18:00 - 19:00	<i>Conference summary</i>	

09:00-11:15 *Leading satellite programs*

Session chairpersons: R. Hellerman, C.V.S. Prakash, B. Bertolini

- 09:00 - 09:15 P. Galey, Spot Image, France, "Formosat -2 daily revisit and high resolution"
- 09:15 - 09:30 R. Lanzl, Infoterra GmbH, Germany, "TerraSAR-X Mission: The New Generation in High Resolution Satellites"
- 09:30 - 09:50 L. Di Domenico, e-GEOS, Italy, "The COSMO-SkyMed Satellite Constellation for Earth Observation"
- 09:50 - 10:10 R. Hellerman, ImageSat International, Israel, "Eros B - after the first year of operation"

- 10:10 - 10:25 N.L. Sokolov, V.F. Bendyakov, Federal State Unitary Enterprise, Russia, "Central Research Institute of Machine Building", Russia, "About operative control of Resurs-DK-1 satellite"
- 10:25 - 10:45 M. Weber, European Space Imaging, Germany, "European Space Imaging: IKONOS high-resolution satellite imagery for Russia"
- 10:45 - 11:00 G.Vujanic, MDA Geospatial Services, Canada, "RADARSAT 2 – New Era in SAR"
- 11:00 - 11:15 M. Matsuda, Hitachi Software Co., Ltd., Japan, "Introducing High Resolution Satellite Imagery QuickBird and WV-1"

11:15-11:45      Coffee-break

11:45 - 14:15      Remote sensing for region development management (Cartography, Cadastre, Russian Spatial Data Infrastructure, Town Planning Information Support Systems)

Session chairpersons: A.A. Alyabiev, V.N. Adrov, S.A. Miller

- 11:45 – 12:05 S. Karpuhin, FGUE «State Center "Priroda"», Russia, "About approaches to creation of Digital Russia"
- 12:05 - 12:25 S. Miller, GIS-Association, Russia, "Tasks of Spatial Data Infrastructure Creation in Russian Federation. Role of RS Data"
- 12:25 - 12:45 A. Alyabyev, S. Serebryakov, E. Kobzeva, V. Kobernichenko, FGUP «Uralgeoinform» - Ural State Technical University, Russia, "Space monitoring within Russian spatial data infrastructure: experiences and problems"
- 12:45 – 13:05 A. Antonov, B. Feldman, R. Feldman, NliPI of Urban planning of Moscow Region, Russia, "Monitoring of town-planning activity as the part of the General plan for development of territory of the Moscow Region, Russia"
- 13:05 – 13:25 M. Maximov, "Terra" Remote Sensing and GIS Center, Kazakhstan, "Caspian Sea Coastline Mapping Using RD Data for Environmental and Industrial Monitoring "

- 13:25 - 13:45 G. Puhov, Geonavigator, Russia, "The conception based on the methods of remote sensing of Earth for the creation of single information space for management region's timber industry"
- 13:45 – 14:00 A. Antipov, S. Bachurina, E. Kuzina, S. Skorohvatov, State enterprise "Mosgorgeotrest", Russia, " Implementation of comprehensive approach to collecting, processing, storing and distributing of the aerial and space photography data for the city of Moscow"
- 14:00– 14:15 A. Tararin, Ministry of State Property and Land Resources of the Nizhny Novgorod Region, Nizhny Novgorod State University of Architecture and Civil Engineering, Russia, "Problems and prospects of effective use of aerospace imagery for land resources management at a regional level"

14:15-15:15 Lunch

15:15-15:45 Third day poster presentation

1. A. N. Krajuhin, G. V. Pozdnyak, V. V. Sveshnikov, V. I. Rjabchikova, S. V. Krivov, PKO «Kartographya», Roskartographya, Russia, "Space images in The National Atlas of Russia"
2. M. Kislitsky, KB Arsenal FSUE, Russia, "UFIKT project of a space system for remote sensing of the earth surface and atmosphere"
3. M.I. Palamar, Y.A. Umzar, Ternopil state technical university, Ukraine, "Creation of the ground stations of RSE information receiving on example of "Egyptsat-1" project"
4. P. Walczykowski, W. Debski, Military University of Technology, Poland, "A method of assesment of flight parameters and whiskbroom type scanner performance based on geometrical measurements of images"
5. M. Kedzierski, A. Fryskowska, Military University of Technology, Poland, "Application of digital images took with ground fisheye lens camera in texturing 3D objects generated from satellite imagery"
6. W. Debski, P. Walczykowski, Military University of Technology, Poland, "Reflection coefficients determination from hyper-spectral video images acquired in laboratory conditions"
7. A. Fryskowska, M. Kedzierski, P.Walczykowski, Military University of Technology, Poland, "Application of airborne laser scanning data in rectification of satellite images"
8. Yu. Malinina, Russian State Hydrometeorological University, Russia, "Economical aspects of remote sensing data application"
9. A. Egorov, V. Neshatayev, L. Utkin, Saint-Petersburg State Forest Technical Academy, Russia, "The use of the Earth remote sensing for detecting hazards during educational practical works in natural ecosystems"

15:45-17:30 Internet & RS

Session chairpersons: A. Belyaev, V. Dolgov

- 15:45 – 16:05 A. Belyaev, NGO "Internet and Business" Association, Russia, "Internet and Geography - Success story"
- 16:05 – 16:25 V. Dessard, Ionic Software, Belgium, "Service oriental Architecture & Interoperable Web Services for online Remote Sensing Application"
- 16:25 – 16:45 A. Vasilevsky, Yandex, Mobile Department, Russia, "UGC on web mapping services"

16:45 – 17:05 M. Azarov, M. Ushakov, Google Russia, "Google services for the creation of geoinformation systems in Internet"

17:05 - 17:30 M. Potanin, G. Potapov, ScanEx RDC, "Kosmosnimki Project"

17:30 – 18:00 Coffee-break

**Training Hall. Parallel sections**

09:00-11:15      "Generation of virtual 3D landscapes"  
ScanEx's master-class on data processing software and technology using Image Processor v. 3.0

11:15-11:45      Coffee-break

**Education for Sustainable Development: New Information Technologies**

11:45 – 14:15      Specialists training. Seminar  
Session chairpersons: V.V. Sergeev, E.G. Kapralov, V.I. Kravtsova

11:45 – 12:15 E. Kapralov, GIS-Association, Russia, "Training of Aerospace Research Specialists in Russian Universities"

12:15 – 12:45 V. Belov, V. Sergeev, A. Chernov, V. Skirmunt, V. Soifer, NP «The Volga Centre of Space Geo-Informatics» - JSC «Samara-Informsputnik» - State Research and Production Space-Rocket Center «TsSKB-Progress» - Samara State Aerospace University, Russia, "The Volga Centre of Space Geo-informatics foundation"

12:45– 13:15 E. Sparrow, E. Smirnova, F. Surkov, The International Arctic Research Center, University of Alaska Fairbanks - NGO "Transparent World" - South Federal University, USA-Russia, "Use of Remotely Sensed Data in Earth System Science Education and Research for Pre-college Students"

13:15 – 13:45 E. Smirnova, E. Aleksandrova, V. Gershenson, M. Potanin, E. Kuznetzova, D. Chirkova, ScanEx RDC, Russia, "Living map – annual on-line competition for schoolchildren on using images of the Earth from space"

13:45 – 14:15 F. Surkov, GIS-Technology Center of the Southern Federal University, Russia, "GLOBE International Educational Ecological Program"

14:15 – 15:15      Lunch

15:45 – 17:30      Microsatellites for education and science. Seminar  
Session chairpersons: A.A. Kucheiko, I.V. Persev

- 15:45 – 16:00    I. Persev, O. Sedykh, ScanEx RDC, Russia, "Payload of "Transparent World" Microsatellite"
- 16:00 – 16:15    V. Lavrov, "Innoter" Geo-innovation Agency, Russia, "Russian Prospective Remote Sensing Satellite Kanopus-V" (to be launched in 2008)
- 16:15 – 16:30    K. Alexeyev, A. Shadyan, I. Persev, ScanEx RDC, Moscow State Industrial University, Russia, "Earth Remote Sensing Microsatellite Combined Attitude Control"
- 16:30 – 16:45    V. Radchenko, Moscow R&D Institute of Nuclear Science, "Scientific and Educational Space Projects of R&D Institute of Nuclear Science at the Moscow State University"
- 16:45 – 17:00    S. Galochkin, NPO-PM and Siberian State Aerospace University, Russia, "Yubileiny" educational microsatellite"
- 17:00 – 17:15    A. Sultanov, V. Bagmanov, Ufa State Aviation Technical University, Russia, "Problems in Designing and Manufacturing the Scientific Educational Microsatellite "UGATU-SAT"
- 17:15 – 17:30    V. Vishnyakov, Russian Institute of Space Device Engineering, Moscow, Russia, «Nanosatellites of "TNS-1" series for the promotion of technology to create future space systems»

17:30-18:00      Coffee-break

18:00-19:00      Conference summary