

MINISTRY OF DEFENSE AND AEROSPACE INDUSTRY
OF THE REPUBLIC OF KAZAKHSTAN

AEROSPACE COMMITTEE OF THE MINISTRY OF DEFENSE AND AEROSPACE
INDUSTRY OF THE REPUBLIC OF KAZAKHSTAN

JOINT STOCK COMPANY «NATIONAL COMPANY «KAZAKHSTAN GHARYSH
SAPARY»



PROGRAM OF THE INTERNATIONAL WORKSHOP
«SPACE DAYS IN KAZAKHSTAN – 2016»

THEME: «CUTTING EDGE SPACE TECHNOLOGIES:
EXPERIENCE AND PROSPECTS»

21-22 of November 2016

Location: Astana city, Hotel Ramada Plaza Astana

Time	21 November 2016 (Monday)
08.30 – 9.45	Registration of the participants <i>(1 floor, Hotel lounge)</i>
08.30 – 9.45	Coffee-break <i>(1 floor, «Abai» Hall)</i>
10.00 – 12.30	Official opening Plenary session <i>(1 floor, «Abai» Hall)</i>
	Moderator: Marat Nurguzhin – President of JSC «National company «Kazakhstan Gharysh Sapary»
10.00 – 10.05	Mr. Beibut Atamkulov - Minister of Defense and Aerospace Industry of the Republic of Kazakhstan. Welcome speech.
10.05 – 10.25	Talgat Mussabayev – National Hero of Kazakhstan, Hero of Russia, pilot-cosmonaut, general-lieutenant of aviation of the Republic of Kazakhstan, Advisor to the President of the Republic of Kazakhstan. Speech on the topic: «The Role of the Leader of Nation – The first President of the Republic of Kazakhstan Nazarbayev N.A. in the development of space industry in Kazakhstan»
10.25 – 10.45	Marat Nurguzhin – President of JSC «National company «Kazakhstan Gharysh Sapary» Speech on the topic: «Space technologies of JSC «National company «Kazakhstan Gharysh Sapary»
10.45 – 11.00	Airbus Defence and Space, Hugues Laporte-Weywada – Senior Vice President. Speech on the topic: «Progress and perspectives of the strategic partnership between KGS and Airbus DS»
11.00 – 11.15	Ruslan Amirgerayev – Ministry of Defense of the Republic of Kazakhstan, Head of the Centre for military and space programs

	Speech on the topic: «Legal aspect of the space activities»	
11.15 – 11.30	IABG, Stefan Kupczyk – Member of the Executive Board, Head of Space Division Speech on the topic: «Cooperation Excellence Summary Lessons Learned and Perspectives»	
11.30 – 11.45	Surrey Satellite Technology Limited, Luis Gomes – Commercial director Speech on the topic: «Overview of UK-Kazakh projects»	
11.45 – 12.00	UrtheCast, Fabrizio Pirondini – CEO at DEIMOS IMAGING Speech on the topic: «PanGeo Alliance: The first Global Alliance of EO satellite operators»	
12.00 – 12:15	LLC ETC «SCANEX», Ilya Farutin – Sales Director Speech on the topic: «Market chooses services»	
12.15 – 12.30	LLC «Geo-Alliance», Maxim Alexandrov – General Director Speech on the topic: «Mutual cooperation in the fields of ERS data delivery, processing techniques, and use of the results obtained in the various sectors of the economy. Achievements and perspectives»	
12.30 – 12.40	LLP «INSURANCE BROKER «INSURANCE BROKERAGE SERVICES», Arnur Samenov – Managing director Speech on the topic: «Current status and overview of the international space reinsurance market»	
12.40 – 13:00	Briefing for mass-media and visiting of exhibition stands <i>(1 floor, «Abai» Hall)</i>	
13:00 – 13.10	Common photo of participants <i>(1 floor, «Abai» Hall)</i>	
13.10 – 14.30	Lunch break <i>(1 floor, hotel's restaurant)</i>	
14.30 – 16.00	SECTION 1: Experience in the use of ERS and HSNS technologies in sectors of the economy of the Republic of Kazakhstan <i>(1 floor, «Abai» Hall)</i>	
	Moderators: Aidyn Aimbetov – Vice-president on space technologies of JSC «NC «Kazakhstan Gharysh Sapary» Aidar Kuatbayev – Director of ERS Space System Centre of JSC «NC «Kazakhstan Gharysh Sapary»	
	Speakers:	Report topics:
14.30 – 14.40	Aidar Kuatbayev JSC «NC «Kazakhstan Gharysh Sapary» (Kazakhstan)	«Experience in the use of ERS SS RK in solving industry issues»
14.40 – 14.50	Charlotte Gabriel-Robez Airbus Defence and Space (France)	«Supporting a productive and sustainable agriculture»
14.50 – 15.00	Bekmuhamedov Baurzhan JSC «National Center for Space Research and Technology» (Kazakhstan)	«Space monitoring of agricultural lands in Kazakhstan»
15.00 – 15.10	Ilya Ozerov LLC «Engineering and Technology Centre «SCANEX» (Russia)	«Space monitoring of agricultural lands»
15.10 – 15.20	Geldyev Boris LLP «Center of Remote Sensing and GIS «Terra» (Kazakhstan)	«Some results of ASTER and WorldView 3 (SWIR) remote sensing data application for subdivision lithological varieties of rocks»

15.20 – 15.30	Erik Zoutman NEVASCO (the Netherlands)	«Satellite downstream services: a Dutch Kazakh cooperation to support the development of large cities and the energy sector»
15.30 – 15.40	Ilya Farutin LLC «Engineering and Technology Centre «SCANEX» (Russia)	«Market chooses services»
15.40 – 15.50	Elena Ash Planet (USA)	«Planet for the Republic of Kazakhstan»
15.50 – 16.00	Sanatuly Esen Leica Geosystems AG (Switzerland)	«New solutions in GIS»
14.30 – 16.00	MASTER CLASS: Practice of effective use of ERS and HSNS data <i>(2 floor, «Puccini» Hall)</i>	
	Moderators: Nurgan Kemberbayev – Director of HSNS Centre of JSC «NC «Kazakhstan Gharysh Sapary» Zhandos Kerimkulov – Lead engineer of JSC «NC «Kazakhstan Gharysh Sapary»	
	Speakers:	Report topics:
14.30 – 15.00	Michael Tonon Airbus Defence and Space (France)	«Satellite data as key and structural information in an NSDI : interest, advantages and new perspectives»
15.00 – 15.20	Oskan Toishibekov JSC «NC «Kazakhstan Gharysh Sapary» (Kazakhstan)	«Creating a 3D-city service»
15.20 – 15.40	Zhandos Kerimkulov JSC «NC «Kazakhstan Gharysh Sapary» (Kazakhstan)	«Development of geo-applications on OpenSource»
15.40 – 16.00	Polina Medvedeva LLC «Geo-Alliance» (Russia)	«Geomatica 2016 – innovative technologies for the processing of geospatial data»
16.00 – 16.30	Coffee-break <i>(1 floor, «Abai» Hall)</i> <i>(2 floor, «Puccini» Hall)</i>	
16.30 – 17.30	Round table with the participation of top-management of the Company and representatives of the Company's distributors <i>(2 floor, «London» Hall)</i>	
17.30 – 18.30	The signing of official documents with partners <i>(2 floor, «London» Hall)</i>	
16.30 - 18.30	SECTION 1 (continued): Experience in the use of ERS and HSNS technologies in sectors of the economy of the Republic of Kazakhstan <i>(1 floor, «Abai» Hall)</i>	
	Moderators: Aidyn Aimbetov – Vice-president on space technologies of JSC «NC «Kazakhstan Gharysh Sapary» Aidar Kuatbayev – Director of ERS Space System Centre of JSC «NC «Kazakhstan Gharysh Sapary»	
	Speakers:	Report topics:
16.30 – 16.45	Luts Alexander JSC «NC «Kazakhstan Gharysh Sapary» (Kazakhstan)	«Experience in the use of HSNS RK in solving industry issues»

16.45 – 17.00	Pavel Stepanov LLC «GeoSkan» (Russia)	«Objects monitoring with GK Geoskan technologies»
17.00 – 17.15	Bolat Bekniyaz Executive Board of the International Fund for saving the Aral sea in the Republic of Kazakhstan (Kazakhstan)	«The prospect of using space-based information for environmental assessment of the Aral Sea and the Aral Sea region»
17.15 – 17.30	Maira Razakova JSC «National Center for Space Research and Technology» (Kazakhstan)	«Remote sensing techniques as a tool for environmental monitoring»
17.30 – 17.45	Evgeniya Sutula LLP «Center of Remote Sensing and GIS «Terra» (Kazakhstan)	«Analysis of remote sensing data in order to identify areas of growth of narcotic plants»
17.45 – 18.00	Robert Muhamedyarov CJSC «Institute of Aerospace Instrumentation» (Russia) LLP «Kazgeozond» (Kazakhstan)	«Treasures of underground storerooms for the benefit of Kazakhstan, Nigeria and Russia»
18.00 – 18.15	Alexander Dianov Leica Geosystems AG (Switzerland)	«Leica Geosystems solutions for subsoil users»
18.15 – 18.30	Robyn McCutcheon USA Embassy in RK (USA)	«USA – Kazakhstan: Cooperation in space: past, present, and future»
16.30 - 18.00	MASTER CLASS (continued): Practice of effective use of ERS and HSNS data <i>(2 floor, «Puccini» Hall)</i>	
	Moderators: Nurgan Kemberbayev – Director of HSNS Centre of JSC «NC «Kazakhstan Gharysh Sapary» Zhandos Kerimkulov – Lead engineer of JSC «NC «Kazakhstan Gharysh Sapary»	
	Speakers:	Report topics:
16.30 – 17.00	Mikhail Barabash LLC «GeoSkan» (Russia)	«Processing of aerial photography files (images) using software «Fotoskan»
17.00 – 17.30	Arman Beimishev JSC «NC «Kazakhstan Gharysh Sapary» (Kazakhstan)	«Calibration (testing) of navigation equipment using GNSS signals simulator»
17.30 – 18.00	Iskander Baimuratov JSC «NC «Kazakhstan Gharysh Sapary» (Kazakhstan)	«Post-processing of static navigation measurements (RINEX files) using dedicated software»
18.00 – 18.30	Mikhail Bolsunovsky «Company SOVZOND» LLC (Russia)	«Complex aerospace monitoring – solving practical problems»
20.00	The official dinner for the participants (by invitation only) <i>(Restaurant at the Marriott hotel)</i>	

Time	22 November 2016 (Tuesday)
08.30 – 9.00	Registration of the participants <i>(1 floor, Hotel lounge)</i>
09.00 – 13.00	SECTION 2: Prospects for the development of space technologies and attraction of investments to space activities of the Republic of Kazakhstan <i>(1 floor, «Abai» Hall)</i>

	Moderators: Aidyn Aimbetov – Vice-president on space technologies of JSC «NC «Kazakhstan Gharysh Sapary» Alan Kazkenov – Advisor to the President of JSC «NC «Kazakhstan Gharysh Sapary»	
	Speakers:	Report topics:
09.00 – 09.10	Alan Kazkenov JSC «NC «Kazakhstan Gharysh Sapary» (Kazakhstan)	«Creation of National spatial data infrastructure in RK»
09.10 – 09.25	Eleonora Tagirova NJSC «State corporation «Government for citizens» (Kazakhstan)	«The concept of creating a Single real estate cadastre of the Republic of Kazakhstan»
09.25 – 09.40	Kuat Sagadiyev JSC «National Infocommunication Holding «Zerde» (Kazakhstan)	«Creation of National geo-information system of RK» in the frame of SP «Digital Kazakhstan-2020»
09.40 – 09.55	Mikhail Barabash LLC «GeoSkан» (Russia)	«Clarification of cadastral boundaries using unmanned aerial vehicles»
09.55 – 10.05	Erlan Tulekbayev Kazakh National Research Technical University after K.I. Satpayev (Kazakhstan)	«International experience in creation of spatial data infrastructure (SDI) (Spain, Australia)»
10.05 – 10.20	Alfonso Barreiro Urthecast (Canada)	«The future of EO constellations: OptiSAR and UrtheDaily»
10.20 – 10.30	Alan Kazkenov JSC «NC «Kazakhstan Gharysh Sapary» (Kazakhstan)	«Development of ERS SS RK satellite constellation by supplementing radar SC and replacement of current SC »
10.30 – 10.45	Mikhail Bolsunovsky «Company SOVZOND» LLC (Russia)	«From geodata to geoservices, from thematic decryption and mapping to geoanalytics and industrial geography»
10.45 – 11.00	Andrei Danelyan JSC «International Space Technologies» (Russia)	«On creation and perspectives of ETP «Space technologies – products of global competitiveness»
09.00 – 11.00	SECTION 3: Development of innovative space technologies and experience in the use of ERS, HSNS by start-up companies, universities and scientific organizations of the Republic of Kazakhstan <i>(2 floor, «Puccini» Hall)</i>	
	Moderators: Baubek Oralmagambetov – General director of JV «Ghalam» Sapar Satayev – Head of the international cooperation office at JSC «NC «Kazakhstan Gharysh Sapary»	
	Speakers:	Report topics:
09.00 – 09.15	Oleg Reitarov JSC «NC «Kazakhstan Gharysh Sapary» (Kazakhstan)	«The role of JSC «NC «Kazakhstan Gharysh Sapary» in development of innovation and market in the field of space services»
09.15 – 09.30	Tolegen Omarbekov ACF «Almaty Techgarden» (Kazakhstan)	«About ACF «Almaty Techgarden» and possible cooperation»
09.30 – 09.45	Sergei Murushkin Joint Kazakh-french enterprise	«Space Technology Development Program in cooperation with scientific

	LLP «Ghalam»	and educational institutions of Kazakhstan»
09.45 – 10.00	Zaure Rakisheva Nursultan Doszhan Kazakh National University after Al-Farabi	«About creation and development of scientific school on space technologies in KNU after Al-Farabi»
10.00 – 10.15	Алекс да Сильва Куриель SSTL (Great Britain)	«Small satellite applications and technologies for operational satellite systems»
10.15 – 10.30	Alfonso Barreiro UrtheCast (Canada)	«UrtheCast success story»
10.30 – 10.45	Blanca Payas Planet (USA)	«Planet success story»
11.00 – 11.30	Coffee-break (1 floor, «Abai» Hall) (2 floor, «Puccini» Hall)	
11.30 - 13.00	SECTION 2 (continued): Prospects for the development of space technologies and attraction of investments to space activities of the Republic of Kazakhstan (1 floor, «Abai» Hall)	
	Moderators: Aidyn Aimbetov – Vice-president on space technologies of JSC «NC «Kazakhstan Gharysh Sapary» Alan Kazkenov – Advisor to the President of JSC «NC «Kazakhstan Gharysh Sapary»	
	Speakers:	Report topics:
11.30 – 11.40	Sergei Naumov ESRI-CIS (Russia)	«The practice of creating a national SDI in the ArcGIS platform: best practices and future directions»
11.40 – 11.50	Alan Kazkenov JSC «NC «Kazakhstan Gharysh Sapary» (Kazakhstan)	«Project on creation a thematic park «Cosmoland» in the frame of construction of the 2 nd stage of the National Space Centre»
11.50 – 12.10	Adil Utembayev Chairman of the Board LLP «Kazakhstan Project Preparation Fund»	«Projects development through PPP mechanisms»
12.10 – 12.20	Azhmoldaev Magauiya RSE «Infrakos» (Kazakhstan)	«Development of tourism infrastructure at the «Baikonur» complex»
12.20 – 12.30	Dmitrii Shatalov Director of the International space school in Baikonur city	«Aerospace education of pupils in Kazakhstan on the example of the International space school in Baikonur city»
12.30 – 12.40	Marat Ismailov JSC «National Center for Space Research and Technology» (Kazakhstan)	«The results of the work by JSC «NCSRT» on the development of domestic production technologies of carbon-fiber and products from it»
12.40 – 12.50	Valentina Grishchenko D TOO «Institute of Ionosphere» (Kazakhstan)	«Predicting failure rate of electronic onboard equipment on a trajectory of different purposes spacecraft»
12.50 – 13.00	Oleg Balitsky Joint Kazakh-Russian enterprise JSC «Baiterek»	«Realization concept of Joint Kazakh-Russian enterprise JSC «Baiterek»

11.30 - 13.00	SECTION 3 (continued): Development of innovative space technologies and experience in the use of ERS, HSNS by start-up companies, universities and scientific organizations of the Republic of Kazakhstan <i>(2 floor, «Puccini» Hall)</i>	
	Moderators: Baubek Oralmagambetov – General director of JV «Ghalam» Sapar Satayev – Head of the international cooperation office at JSC «NC «Kazakhstan Gharysh Sapary»	
	Speakers:	Report topics:
11.30 – 11.45	Oleksandr Shulga SUNACS/ Sestema (Sudan)	«Control of the orbital position of the spacecraft in low, medium and geostationary orbits by means of ground-based optical and radio observations»
11.45 – 12.00	Yudin Ilya Digital Globe (USA)	«Basemap – Online service for delivery of space images. Simplicity, convenience, efficiency»
12.00 – 12.15	Alexander Egorov JSC «Rocket and Space Center «Progress» (Russia)	«ICS «Aist-2D»: technical specifications, operation results and prospects for development»
12.15 – 12.30	Anatolii Prosochkin «Voshod» branch of MAI (Scientific research university in Baikonur city)	«Peculiarities of training specialists for enterprises and organizations of space industry of Kazakhstan in «Voshod» branch of MAI (Scientific research university in Baikonur city)
12.30 – 12.45	Diana S. Dushniyazova Manager of «Flyworx» Startup Company, Kazakh National Agrarian University (Kazakhstan)	«ERS using UAV in agriculture»
12.45 – 13.00	Presentation of the best business projects of the «Space Hackaton»	
13.00 - 13.30	Official closing of the workshop. Resolution. <i>(1 floor, «Abai» Hall)</i>	

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