

# MINEX



## CENTRAL ASIA

### 5th MINING AND MINERAL EXPLORATION FORUM

Advancing Mining Innovation  
and Investment in Central Asia

31 March - 2 April 2014, Astana, KAZAKHSTAN



#### EVENT REPORT - MINEX CENTRAL ASIA 2014 FORUM

**The 5th Mining and Exploration Forum “MINEX Central Asia 2014” was held in Astana (Republic of Kazakhstan) from 31 March to 2 April 2014.**

Mining industry plays important role in the economic development of Central Asian countries, creating new skilled jobs, developing infrastructure and bringing substantial foreign trade income. The proportion of the mining industry in total industrial production in Kazakhstan is more than 60%, in Kyrgyzstan - 58 %, in Tajikistan - 12.4 %. Recently, the mining industry has been actively introducing innovative technologies to significantly reduce production costs, improve production efficiency and to successfully develop mining projects that have recently been economically unprofitable. Supported by the global economic growth and infrastructure development, mining sector is becoming increasingly attractive to international investors seeking opportunities for long-term and profitable investments. Currently Kazakhstan and other Central Asian countries are actively working to create favourable conditions to encourage exploration and effective reproduction of the mineral resource base and enhanced control over the rational and integrated use of mineral resources. They are supporting introduction of new high-tech and efficient technologies for geological exploration, mining and mineral processing, using automated management processes and systematisation of the banks of geological information and at the same time rapidly developing industry infrastructure and creating conditions for the HR training to comply with the up-to-date requirements of the industry.

The important changes that are occurring in the Central Asian mining industry were represented at the “MINEX Central Asia 2014” Mining and Exploration Forum and Trade exhibition. The Forum facilitated the exchange of information and better understanding of the business processes in the Central Asian region and gave a powerful impetus to the development of international partnerships, expanding business relationships and attracting new investment in the mining industry in Kazakhstan and Central Asia.

MINEX Central Asia Mining and Exploration Forum is the largest and most significant international industry event organised in the region since 2010 with the objective of stimulating multidisciplinary and multilateral discussions of prospects for Kazakhstan’s and other Central Asia’s states transition to advanced and innovative mining and mineral exploration practices. The Forum provides an international platform for holding business meetings, signing of agreements and organising presentations of the cutting edge prospecting and mining technologies, emerging mining and exploration projects, mining investment opportunities, subsoil use regulation updates and much more.

MINEX Central Asia 2014 Forum brought together more than 350 senior executives and specialists from the mining industry of Kazakhstan, Kyrgyzstan, Tajikistan, Mongolia, China, Japan, Korea, Russia, Ukraine, United Kingdom, France, Germany, Finland, Canada, Australia, Austria and the USA.

A significant number of meetings were organised on the fringes of the Forum between the international companies and investors and the government-led delegations from Kazakhstan, Kyrgyzstan, Tajikistan, Germany and Russia which concluded with signage of international cooperation and partnership agreements.

## **EVENT REPORT - MINEX CENTRAL ASIA 2014 FORUM**

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Over 70 presentations and reports on the mining challenges and prospects in Kazakhstan, Kyrgyzstan and Tajikistan were made during the sessions organised at the Forum and the Master classes. More than 30 Kazakh and international companies exhibited mining projects and technologies at the exhibition organised alongside the Forum. MINEX Central Asia Forum was attended by the heads of Ministries and Geological agencies from Kazakhstan, Kyrgyzstan, Tajikistan, Russia and Germany.

On 1 April, alongside the Forum, a roundtable «Discussion of conceptual approaches for the Code of the Republic of Kazakhstan «On Subsoil» was organised together with Ministry of Industry and New Technologies, Association of Mining and Metallurgical Enterprises, National Entrepreneurs Chamber of Kazakhstan and «Kazenergy» Association.

The Forum concluded with the Gala Dinner and presentation of the 3<sup>rd</sup> Central Asia's Mining Photo Competition awards "Prospector. Miner. Metallurgist".

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**THE 6<sup>TH</sup> "MINEX Central Asia 2015" Mining and Exploration Forum will be held in Astana (Republic of Kazakhstan) from 14 to 16 April 2015.**

The early bird registrations for 2015 will be tentatively accepted via the 2014 Forum website. The 2014 delegate and exhibitor prices will apply until further notice.

The 10% early bird discounts will be offered for delegate and exhibitor bookings received before 1 February 2015.

The MINEX Central Asia 2015 Forum organising committee will accept the following registrations:

[Exhibitor](#)

[Delegate](#)

[Speaker](#)

[Sponsor](#)

[Media partner](#)

For further information please send enquiry to [admin@minexforum.com](mailto:admin@minexforum.com)

## EVENT REPORT - MINEX CENTRAL ASIA 2014 FORUM

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### KEY FACTS AND EVENTS MINEX CENTRAL ASIA 2014 FORUM

MINEX Central Asia Forum brought together more than 350 senior executives and specialists from the mining industry of Kazakhstan, Kyrgyzstan, Tajikistan, Mongolia, China, Japan, Korea, Russia, Ukraine, United Kingdom, France, Germany, Finland, Canada, Australia, Austria and the USA. Over 70 presentations and reports on the prospects and problems of the mining industry of Kazakhstan, Kyrgyzstan and Tajikistan were made during the sessions organised at the Forum and the Master classes. MINEX Central Asia Forum was attended by the heads of ministries and geological agencies of Kazakhstan, Kyrgyzstan, Tajikistan, Russia and Germany.

The forum included:

- 9 forum sessions (1-2 April, Hotel Radisson Astana, Sary Arka 1)
- The exhibition of technologies and investment projects (1-2 April, Hotel Radisson Astana, Foyer and Sary Arka 2)
- Business Podium (1 April, Hotel Radisson Astana, Sary Arka 3)
- Round table «Discussion of conceptual approaches for the Code of the Republic of Kazakhstan «On Subsoil» (1 April, Hotel Radisson Astana, Sary Arka 3)
- Master classes for mining professionals (31 March and 2 April)
- Business reception (1 April, Hotel Radisson Astana, Hall Sary Arka 2)
- Gala Dinner. Presentation of Photo Competition Annual Awards «Prospector. Miner. Metallurgist». (2 April, Hotel Radisson Astana, Sary Arka 4)

For more information please visit the forum website <http://www.minexasia.com/2014/>

# EVENT REPORT - MINEX CENTRAL ASIA 2014 FORUM

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## FORUM AGENDA

**1 April (10:15 - 12:30 / Sary Arka 1)**

### SESSION 1 - MINING POLICIES, PRACTICES AND EMERGING INVESTMENT OPPORTUNITIES IN CENTRAL ASIA

*This session featured changes in mining legislation in Kazakhstan, Tajikistan and Kyrgyzstan in order to stimulate prospecting activity and investment. The role of local content in the future development of the industry and the implementation of investment projects and programs was discussed at the session. At the end of the session the Australian mining regulation overview were presented.*

#### **Speakers:**

**Nurlan Sauranbayev**, Vice-Minister, Ministry of Industry and New Technologies of Kazakhstan

**Haidar Kholov**, Deputy Minister, Ministry of Industry and New Technologies of Tajikistan

**Murod Jumazoda**, Director, Main Department of Geology under the Government of the Republic of Tajikistan

**Ulan Ryskulov**, Deputy Director, State agency on Geology and Mineral resources under the Government of the Kyrgyz Republic

**Timur Toktobaev**, Director, Subsoil Use Department, Ministry of Industry and New Technologies of Kazakhstan

**Maxim Kononov**, Deputy Executive Director, Republican Association of Mining and Metallurgical Enterprises (AGMP)

**Michael Wilson**, Managing Partner, Michael Wilson & Partners, Ltd.

**Alexey Tsoy**, Regional Manager CIS, CSA Global Rus LLC

**1 April (13:30 - 15:00 / Sary Arka 1)**

### SESSION 2 - RENEWAL OF THE MINERAL RESOURCES IN CENTRAL ASIA. LOCAL CHALLENGES AND GLOBAL PRACTICES

*The prospects and plans for the development of mineral potential of the Republic of Kazakhstan were discussed at the session with the participation of international partners. Global experience of mining and exploration activities promotion was also presented.*

#### **Speakers:**

**Bazarbay Nurabaev**, Chairman, Geology and Subsoil Use Committee, Ministry of Industry and New Technologies of Kazakhstan

**Galym Nurzhanov**, Chairman of the Board, NGK «Kazgeologiya» JSC

**Magasha Saiduakassova**, Deputy Head, East Kazakhstan Department of Business and Industrial-Innovative Development

**Gary Hodgkinson**, Director and General Manager, Rio Tinto Mining and Exploration Inc.

**Roman Panov**, CEO, JSC «Rusgeology»

## EVENT REPORT - MINEX CENTRAL ASIA 2014 FORUM

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**Gary McMahon**, Senior Mining Specialist, Senior Mining Specialist, Oil, Gas and Mining Policy Division (SEGOM), World Bank

**1 April (15:30 - 17:00 / Sary Arka 1)**

### SESSION 3 - GEOLOGICAL DATA AND INFORMATION DISCLOSURE

The experience of Kazakhstan, Kyrgyzstan, Tajikistan and Russia in the development of national data banks and the practice of granting access to geological information in comparison with international approaches was presented during the session. The programs of improvement of state examination of subsoil in the Republic of Kazakhstan and reduction of standards of the reporting to the international standards were also presented. In the conclusion of the session the challenges of information technology support projects for solid minerals exploration was discussed.

#### **Speakers:**

**Akbatyr Nadyrbaev**, Deputy Chairman, Geology and Subsoil Use Committee, Ministry of Industry and New Technologies of Kazakhstan

**Shakhbulat Giravov**, First Deputy General Director, State Commission on Mineral Resources (Russian Federation)

**Phil Newall**, Managing Director, Wardell Armstrong International Ltd

**Tatiana Sokhonchuk**, Senior Geologist, SRK Consulting Kazakhstan

**Mikhail Kornilov**, General Director, RJC

**1 April (17:15 – 18:30 / Sary Arka 1)**

### SESSION 4 - RESPONSIBLE MINING AND MINE CLOSURE PLANNING

Current environmental and social risks in the mining industry were discussed at the session and the international experience of restoration of mining lands, for example closing the coal fields of Germany, was presented. The session also featured modern standards and requirements for subsoil users to close the fields and the common requirements for EHSS international investors. The session also demonstrated practice of training programs for social and environmental responsibility and experience of their implementation at industrial enterprises in Kazakhstan and Tajikistan. At the conclusion, the session assessed impact on the environment and the experience of science and technology to ensure safe development of coal deposits in the case of Ukraine was presented.

#### **Speakers:**

**Valeriy Kucherov**, Partner, Performance & Assurance Services, ERM

**Sijouddin Salomzoda**, Head of the State Committee on Supervision of Safety and Mining Industry under the Government of the Republic of Tajikistan

**Dr. Friedrich von Bismarck**, Head of Agency, Joint-Governmental-Agency for Coal Mine Rehabilitation

**Maria Sokolova**, Senior Environmental Consultant, IMC Montan

**Zarina Ualiyeva**, Consultant Environmental Engineer, SRK Consulting (Kazakhstan) Ltd

**Andrei Antsiferov**, Director, Ukrainian state research and design institute of mining geology, rock mechanics and mine surveying (UkrNIMI NASU)

## **EVENT REPORT - MINEX CENTRAL ASIA 2014 FORUM**

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### **ROUND TABLE – 1 April (16:30 - 19:00, Sary Arka 3)**

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At the initiative of the Association of Mining and Metallurgical Enterprises the open roundtable «Discussion of conceptual approaches for the Code of the Republic of Kazakhstan «On Subsoil» was organised on the first day of the forum. During the round table experts from the Ministry of the Industry and the New Technologies of the Republic of Kazakhstan presented the list of offered changes and additions to some acts of the Republic of Kazakhstan concerning subsurface use. Further discussion of development of the Code of the Republic of Kazakhstan «On Subsoil» as the single normative document regulating relations associated with exploration and mining operations was held during this session. The review of the best world practices in the sphere of legislative regulation of operations on subsurface use was submitted and the international experience of reforms of the legislation on subsurface use was analysed during the round table. Representatives of the Ministry of the Industry and the New Technologies of the Republic of Kazakhstan, National Chamber of Commerce of the Republic of Kazakhstan, Kazakhstan Association «Kazenergy», the Regional programme GIZ "Mineral Resources for Development", law firm Olymplex Advisers LLP and the World Bank took part in work of the round table. The round table was held on Tuesday 1st April in Sara Arka 3 (Radisson Astana hotel) from 16:30 till 19:00.

### **2 April (10:00 - 11:30 / Sary Arka 1)**

#### **SESSION 5 - GROWTH STRATEGIES IN CHANGING AND CHALLENGING MARKETS**

*Analysis of the key changes in the mineral resources that occurred in 2013 – 2014 in Central Asian countries was provided during the session. The session discussed economic problems in the subsoil use during the economic downturn and provided examples and opportunities to attract large international investors to the industry.*

#### **Speakers:**

**Alexander Lopatnikov, Managing Director, American Appraisal (Russia)**

**Ralph Nowak, Managing Director, Bryanston CIS LLC**

**Alp Malazgirt, Chief Executive Officer, Metals & Mining Division, Yildirim Group of Companies**

**Bil Thuma, Geophysicist, President – AGT Systems NA Inc.**

**John Bacharach, Director, IMC Montan**

**Elena Amirkhanova, Partner, ERM UK**

### **2 April (12:00 - 13:30 / Sary Arka 1)**

#### **SESSION 6 - FUNDING MINING AND DEVELOPMENT PROJECTS IN CENTRAL ASIA**

*The forecasts for the global capital markets and the prospects for attracting finance for mining and geological companies to develop projects in Central Asia were presented during this session. Speakers discussed mining finance solutions and strategies for start-up mining companies and greenfield projects involving private equity and analysed the types of projects that are most attractive to international and institutional investors.*

#### **Speakers:**

**James Scoville, Partner, Debevoise & Plimpton LLP**

## **EVENT REPORT - MINEX CENTRAL ASIA 2014 FORUM**

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*Yerlan Ramazanov, Principal Banker, European Bank for Reconstruction and Development*

*Jon Edwards, Deputy Head, Equity Primary Markets, London Stock Exchange Group*

*Gary McMahon, Senior Mining Specialist, Senior Mining Specialist, Oil, Gas and Mining Policy Division (SEGOM), World Bank*

### **Participants of panel discussion:**

*Rustem Ospanov, Partner, RCG Investment Advisor LLC*

*Stefan Scholz, Principal, ScholzvonGleich*

*Rod Cave, Regional Director, Russia, Eastern Europe and Central Asia, CRU*

*Ingo Hofmaier, Director, Strand Partners Ltd*

### **2 April (14:30 - 16:15 / Sary Arka 1)**

#### **SESSION 7 - CONTROLLING THE RAISING COSTS AND IMPROVING MINING EFFICIENCY**

*Examples of implementation of decisions on mines and putting in practice initiatives to reduce costs and increase efficiency in the mining industry were presented at this session.*

#### **Speakers:**

*Ruslan Sevostyanov, General Director, Wardell Armstrong International LLP*

*Pavel Semenchenko, General Director, Sary Kazna LLP*

*Maria Moshkova, Executive manager, "STC "MinStandards" Ltd*

*Sergei Sabanov, Senior Consultant/Project Manager, SRK Consulting (UK) Ltd*

*Detlev Schroeder, Head of Mine Planning, ThyssenKrupp Industrial Solutions AG*

*Alexei Kaplan, General Director, NTC-Geotekhnologiya*

### **2 April (16:30 - 17:30 / Sary Arka 1)**

#### **SESSION 8 - IMPLEMENTING INNOVATION IN MINERAL EXPLORATION**

*During the session practice of selection and application of innovative methods and technologies for the solid minerals exploration to provide companies with competitive advantage and maximum economic effect were discussed. Speakers also presented new tools and solutions for geological modeling and control of geological information in real time.*

#### **Speakers:**

*Tamara Golovina, Development Director, RJC*

*Ash Johnson, Vice President, Geosoft Inc.*

## EVENT REPORT - MINEX CENTRAL ASIA 2014 FORUM

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*Pavel Babayants, Chief geophysicist, Aerogeophysica Inc.*

*Paul Stenhouse, Senior Consultant (Structural Geology), SRK Consulting (UK) Ltd*

*Leo Fox, President, Phoenix Geophysics Limited*

**2 April (17:45 - 19:00 / Sary Arka 1)**

### **SESSION 9 - LOCAL CONTENT AND ITS IMPACT ON RECRUITMENT, EMPLOYMENT, TRAINING AND RESEARCH IN THE MINING SECTOR**

*Mining is considered to be the 5th jobs provider in the world with the steady growth in new vacancies predicted for the next decade from 2012 to 2022. With the introduction of new technologies and the application of advanced management practices, requirements for knowledge and skills of employees and managers of mining companies are constantly increasing. Speakers discussed the issues of compliance of personnel training requirements in industry and universities and presented plans to develop international cooperation to ensure global transfer of advanced knowledge, experience and standards to improve the competitive advantage of the mining industry in Kazakhstan.*

#### **Speakers:**

*Stephen Millar, Canadian Ambassador to the Republic of Kazakhstan*

*Dr Mike Armitage, Group Chairman and Corporate Consultant (Resource Geology), SRK Consulting (UK) Limited*

*Shigeo Katsu, President, Nazarbayev University*

*Askar Munara, Director, Centre for Earth sciences, Nazarbayev University*

*Zhanar Abdullayeva, Partner, Colibri Kazakhstan Law Firm*

*Alexander Skorov, Head of Accounting Group, Kazakhstan Consulting*

**2 April (19:00 - 19:30 / Sary Arka 1)**

### **CLOSING REMARKS AND FORWARD LOOKING ADDRESSES**

*Overview of the results of the «Discussion of conceptual approaches for the Code of the Republic of Kazakhstan «On Subsoil» and closing of the forum.*

**MASTER CLASSES – 31 March and 2 April**

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During the forum master classes were conducted for mining professionals by experts from the mining and engineering company SRK Consulting (the UK, Canada, Kazakhstan and Russia). On Monday 31<sup>st</sup> March a master - class "Event theme: Integrated Geo-technical Studies for Cost Effective Mine Design." was organised in the hotel Park Inn. On Wednesday 2<sup>nd</sup> April master-classes "Geochemical Assessment and Management of Mine Waste" and "Mine Closure Planning" were organised at the Hotel Radisson Astana.

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## EVENT REPORT - MINEX CENTRAL ASIA 2014 FORUM

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### MINING TRADE SHOW - 1 and 2 April

At the exhibition which was organised in the framework of the main Forum, companies presented innovative technologies and equipment, which will soon be widely used in mining and exploration industry of Kazakhstan, Kyrgyzstan and Tajikistan. In particular, the exhibition featured modern equipment and software from leading manufacturers of Kazakhstan, Canada, USA, Germany, France, United Kingdom, Finland, Sweden, Russia and Australia. The unique systems for onshore, airborne geophysical and underwater exploration, successfully proven in different geo-climatic conditions of the world were demonstrated during the exhibition. A wide range of high-performance, feature-rich geological settings and advanced software to support drilling operations were presented at the trade show. The innovative technologies and methods of airborne geophysical, logging and laboratory studies were also presented to the audience. Some examples of successful application of world-class innovative technologies used in Kazakhstan from exploration to the construction of high-tech hydrometallurgical production were also shown at the exhibition.

### Exhibitors

AGT SYSTEMS (Canada)	BEHRE DOLBEAR (Canada)	CAE Mining (UK - Kazakhstan)
CCS Services (Switzerland-Russia)	CENTRAL ASIA METALS PLC (UK - Kazakhstan)	CERBA (Canada – Kazakhstan)
Dando Drilling International (Canada)	FERRO-Montagetchnik (FMT) (Austria)	Geotech Ltd (Canada)
Goodyear Russia (Russia)	IMC Montan (UK)	Kazakhmys Exploration TOO (Kazakhstan)
NETCAD (Turkey)	Pericles Properties & Associates Ltd (UK)	Quantec Geoscience Ltd. (QGL) (Canada)
SRK Consulting (UK - Kazakhstan)	Wardell Armstrong Group (WAI) (UK)	Aggreko (UK - Russia)
AGMP (Kazakhstan)	ALS Minerals (Australia)	RJC (Russia)
VNIPIpromtehnologii (Russia)	GNPP Aerogeophysica (Russia)	Group of Companies “ANAKON” (Russia – New Zealand – Brazil - Australia)
CJSC “Rusburmash” (Russia)	SGS Vostok Limited (UK - Russia)	Metso Minerals (Finland)
National Association for Subsoil Use Auditing (NP “NAEN”) (Russia)	OJSC Giproruda (Russia)	PRESSMASH (Russia)
Phoenix Geophysics Limited (Canada)	Energold Drilling Corp (Canada)	

## EVENT REPORT - MINEX CENTRAL ASIA 2014 FORUM

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### BUSINESS PODIUM – 1 April

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The most interesting technologies and solutions for the mining industry were presented as part of the Business Podium, which was held on 1 April in Sary-Arka 3 from 13:30 to 16:30.

13:30 - 13:50	<i>GE in Mining Industry: Innovations and High Tech solutions</i>
	<b>Alexey Kutilin, Mining Leader, GE RUS LLC</b>
13:50 - 14:10	<i>Capabilities of modern equipment for improving efficiency in the mining industry.</i>
	<b>Dmitry Kovalev, General Manager, "GEO-Engineering" Ltd.</b>
14:10 - 14:30	<i>Geotech electromagnetic airborne geophysics technologies</i>
	<b>Alexander Prikhodko, Data Interpretation Manager, Geotech Ltd.</b>
14:30 - 14:50	<i>New advance in geophysical instruments for mining: Distributed network for multi-channel CSAMT (Controlled-Source Audio Magnetotellurics) minerals survey.</i>
	<b>Douglas Groom, Director, Geoelectrical Products, Geometrics, Inc.</b>
14:50 - 15:10	<i>ALS Global in Kazakhstan.</i>
	<b>Eric Hanson, Director - Russia, Central Asia and Caucasus, ALS Minerals</b>
15:10 - 15:30	<i>RungePincockMinarco Solutions Overview</i>
	<b>Pavel Lykov, Business Development Director (Russia &amp; CIS), RungePincockMinarco</b>
15:30 - 15:50	<i>What is NETPRO/Mine.</i>
	<b>Metin Yurdaku, Product Manager / NetCAD Software, NETCAD Software Inc.</b>
15:50 - 16:10	<i>Speed and Position Encoder Solutions for Mining Industry.</i>
	<b>Frank Tscherney, General Manager, Johannes Hübner Giessen GmbH</b>
16:10 - 16:30	<i>VIBROTECHNIK - equipment for sample preparation.</i>
	<b>Svetlana Zenina, Head of sales Department, VIBROTECHNIK</b>

### GALA DINNER. PRESENTATION OF PHOTO COMPETITION ANNUAL AWARDS «PROSPECTOR. MINER. METALLURGIST»

#### 2 April (19:30 - 23:00/ Sary Arka 4)

The 3rd annual amateur photography competition "Prospector. Miner. Metallurgist" was held alongside the 5th "MINEX Central Asia 2014" Mining and Exploration Forum. The amateur photographers working at the mining enterprises in Central Asia were invited to participate in the competition.

The winners were awarded at the MINEX Central Asia Gala Dinner organised on 2nd April at the Radisson Astana Hotel in Kazakhstan.