



MINEX Kazakhstan 2019 – draft agenda (13/03/2019)

2 APRIL FORUM (DAY 1) MASTER CLASSES AND WORKSHOPS	
	Venue: Park Inn Hotel
08:30 - 09:00	Registration and Welcome coffee
09:00 - 10:00	Master class 1
	Innovations in Metals & Mining
Organiser	ERG Research and engineering centre (NIITS ERG)
Presenters	Anton Roshchin, Head of R&D department, ERG Research and engineering centre Alexander Kalinnikov, Head of Innovations Department, ERG Research and engineering centre
<p>ERG - the leader in the field of Metals & Mining in Kazakhstan</p> <ul style="list-style-type: none"> – General description of ERG (Overview) – Group as a whole (Group at a Glance) – Enterprises (Assets in Kazakhstan) <p>Innovation Management</p> <ul style="list-style-type: none"> – Experience of foreign companies - 1 (non-CIS countries) – Experience of foreign companies - 2 (Russia) – The process of working with innovative projects, TRIZ and other approaches – "Funnel projects" and work with it – Industry 4.0 Concepts (slide on modern technology) – Interactive survey <p>NIITs - dedicated centre for managing R & D and innovations in ERG</p> <ul style="list-style-type: none"> – General description of the scientific research institute – Aims and objectives of the Research Institute – List of the key (strategic) projects – Project No. 1 – Project №2 	
10:00 - 10:15	Coffee break
10:15 - 11:00	Master class 2
	Practical aspects of regulation in the exploration and mining sector
Organiser	Haller Lomax
Presenters	Timur Odilov, Partner, Haller Lomax Zarina Baikenzhina, Senior Associate, Haller Lomax



MINEX Kazakhstan 2019 – draft agenda (13/03/2019)

This master class is designed for representatives of exploration and mining companies, as well as government agencies. During the master class, Haller Lomax lawyers will highlight key regulatory aspects that should be addressed in the exploration and mining projects.

- Preparation for obtaining a license for exploration / mining of solid minerals
- Disclosure of beneficiaries
- Regulatory requirements for operations planning and response
- Transition to mining, exclusive right
- Transition to the licensed mode of subsoil use
- Other

11:00 - 11:15	Technical break
11:15 - 13:00	Master class 3
	Implementation of KAZRC / CRIRSCO public geological reporting standards in Kazakhstan. Experience and recommendations
Organisers:	KAZRC Association, Professional Society of Independent Experts of the Subsurface Resources (PONEN)
Presenters:	The current stage of preparing reports on the KAZRC Code. Geological, methodical, legal aspects. Georgiy Freiman, Chairman of the Executive Committee, Professional Society of Independent Experts of the Subsurface Resources (PONEN)
	Review of resource estimation in mining. Ashley Brown, Resource Delineation Manager, KAZ Minerals Management
	Igor Ussoltsev, Director at Mineral Exploration Consultants Ltd.
13:00 - 14:00	Lunch
14:00 - 15:30	Master class 4
	Mine liquidation requirements under Kazakhstan Subsoil and Subsoil Use Code
	The master class will look how the new Subsoil and Subsoil Use Code provides for alignment of mine closure (mine liquidation) practices in Kazakhstan with good international industry practices. The master class aims to address questions that mines have about concepts in legislation and the practical application of the concepts.
Organiser	SRK (UK) Consulting
Moderator	Jane Joughin, Corporate Consultant (Environmental & Social Management) SRK Consulting (UK)
Presenters	Zhanar Faizuldayeva, Associate environmental consultant, SRK Consulting (Kazakhstan)
	Nikolay Kirillov, Senior consultant (environment), SRK Consulting (Russia)
	Jeff Parshley, Group Chairman and Corporate Consultant, SRK Consulting (US)



MINEX Kazakhstan 2019 – draft agenda (13/03/2019)

Part 1	New legal requirements; The contents of closure (liquidation) plans; Mine closure (liquidation) goals and criteria – how to identify realistic and measurable criteria; Closure (liquidation) cost estimation; Processes for updating closure (liquidation) plans and cost estimates; Financial provision for closure (liquidation).	
15:30 - 16:00	Coffee break	
16:00 - 17:30	Master class 4	
	Mine liquidation requirements under Kazakhstan Subsoil and Subsoil Use Code	
Part 2	The expectations of investors; Mineral resource and ore reserve and financial reporting.	
17:30 - 18:30	Networking drinks	
3 APRIL	FORUM (DAY 2)	
	Venue: Radisson Astana Hotel	
08:30 - 09:30	Welcome coffee	«Sary Arka 2»
09:30 - 09:45	Welcome addresses	«Sary Arka 1»
09:45 - 11:00	Plenary session 1	«Sary Arka 1»
	Mining development in Kazakhstan: Milestones and Key Trends	
Discussion topics:	<i>Forecasts of global commodity and financial markets development. Roadmap for the improvement of legislation in subsoil use regulation in the Republic of Kazakhstan. Key business risks and new opportunities. Mining Digitisation. Prospects for the growth of foreign investments in mining and greenfield exploration. New opportunities and financing tools in the mining industry.</i>	
Moderator:	Jeff Parshley, Group Chairman and Corporate Consultant, SRK Consulting (U.S.)	
09:45 - 10:00	Improving the legislation of the Republic of Kazakhstan in the field of subsoil use. Timur Toktabayev, Vice-Minister, Ministry of Industry and Infrastructural Development of The Republic of Kazakhstan.	
10:00 - 10:15	Top 10 business risks facing mining and metals in 2019-20. Victor Kovalenko, Director, Climate Change and Sustainability Services, EY	
10:15 - 10:30	The roadmap for the improvement of legislation in the field of subsoil use of the Republic of Kazakhstan. Nikolay Radostovets, Executive Director, The Republican Association of Mining and Metallurgical Enterprises	



MINEX Kazakhstan 2019 – draft agenda (13/03/2019)

10:30 - 10:45	Trumpeting a New Era in Yilmaden's Operations: Smart mining. Alp Malazgirt, CEO, Yilmaden Holding
10:45 - 11:00	Astana International Exchange: a link between mining companies and investors. Timothy Bennett, CEO, Astana International Exchange
11:00 - 11:30	Coffee break «Sary Arka 2»
11:30 - 13:00	Plenary session 2 «Sary Arka 1»
	Practical steps towards the implementation of the Subsoil Use Code in Kazakhstan during transition period through 2024
Discussion topics:	<i>Transition period for subsurface use contracts. Reporting by final beneficiaries of subsoil use. Implementation of the first-come, first-served principle. Changes in the obligations of the subsoil user. Changes in the composition and types of project documents, depending on the types of minerals. Measures to ensure company's obligations relating to the exploitation of the deposit. Implementation of international system of calculation of reserves of mineral resources using the CRIRSCO system.</i>
Sponsors:	Olympex Advisers / Haller Lomax
Moderator:	Ruslan Baimishev, Director of the Subsoil Use Management Department, Ministry of Industry and Infrastructural Development of The Republic of Kazakhstan
11:30 - 11:40	The main innovations in the Code of the Republic of Kazakhstan "On Subsoil and Subsoil Use". Ruslan Baimishev, Director of the Subsoil Use Management Department, Ministry of Industry and Infrastructural Development of The Republic of Kazakhstan
11:40 - 11:50	The program of management of the state fund of mineral resources. Akbatyr Nadyrbaev, Chairman, Committee of Geology and Subsoil use, Ministry of Industry and Infrastructural Development of The Republic of Kazakhstan
11:50 - 12:00	The national data bank program. Almaz Abdygalimov, Chairman of the Board, National Geological Prospecting Company" Kazgeology"
12:00 - 12:10	Provisions for the implementation of the Subsoil Code. Timur Odilov, Partner, Haller Lomax
12:10 - 12:20	Transition period for subsoil use contracts. Diyar Ereshev, Managing Partner, Olympex Advisers
12:20 - 12:30	Key Factors of Effective Transition to International Public Reporting Standards. Saule Urazayeva, Executive director, KAZRC Association
12:30 - 13:00	Q&As
Panellists	Jeff Parshley, Group Chairman and Corporate Consultant, SRK Consulting (U.S.) Georgiy Freiman, Chairman of the Executive Committee, Professional Society of Independent Experts of the Subsurface Resources (PONEN)



MINEX Kazakhstan 2019 – draft agenda (13/03/2019)

13:00 - 14:00	Lunch	«Sary Arka 4»
14:00 - 15:30	Panel discussion 1	«Sary Arka 1»
	Mining in Kazakhstan: Success stories	
Discussion topics:	Key success elements of establishing new businesses and transformation of existing enterprises in Kazakhstan’s mining sector.	
Moderator:	Victor Kovalenko, Director, Climate Change and Sustainability Services, EY	
Panellists:	Alp Malazgirt, CEO, Yilmaden Holding	
	Rustem Ospanov, Partner, Resource Capital Group	
	Davron Rustamkulov, Managing Director, Central Asia Partnerships	
14:00 - 15:30	Technical session 1	«Sary Arka 3»
	Developing a ‘green’ mining economy in Kazakhstan	
Discussion topics:	<i>Introduction of the new draft environmental code of the Republic of Kazakhstan. Updated requirements of the Code on Subsoil and Subsoil Use of the Republic of Kazakhstan for post-mining reconciliation and changes in the approach to the assessment of obligations following mine closures. New mechanisms for encouraging subsoil users to introduce ‘green’ technologies. Safety culture development.</i>	
Moderator:	Jane Joughin, Corporate Consultant (Environmental & Social Management), SRK Consulting (UK)	
14:00 - 14:15	Application of the new environmental code in the mining and metallurgy sector. Talgat Temirkhanov, Director of the Department of Ecology and Industrial Safety, The Republican Association of Mining and Metallurgical Enterprises	
14:15 - 14:30	Environmental regulation in OECD countries: key aspects for subsoil users in Kazakhstan. Dalida Yerkuliyeva, Environmental expert, EY	
14:30 - 14:45	Mine liquidation requirements under Kazakhstan Subsoil and Subsoil Use Code. Zhanar Faizuldayeva, Associate environmental consultant, SRK Consulting (Kazakhstan)	
14:45 - 15:00	Mine Waste Management as a Path to Sustainable Project Development. Yelena Borovikova, Non-mining Project Manager, Wardell Armstrong International	
15:00 - 15:15	Safety culture development. Artur Baibulatov, Manager of Environment, Health, Safety and Administration services department, Philip Morris Kazakhstan	
15:15 - 15:30	Q&As	
15:30 - 16:00	Coffee break	«Sary Arka 2»



MINEX Kazakhstan 2019 – draft agenda (13/03/2019)

16:00 - 17:30	Technical session 2	«Sary Arka 1»
	New opportunities and prospects for attracting investments and financing projects under the new Subsoil Use Code	
Discussion topics:	<i>What has changed in the financial and investment market with the adoption of the Subsoil Use Code of Kazakhstan? Foreign investment in the mining sector of Kazakhstan: a retrospective, case studies, and the experience of investors. Assessment of the JSC “Kazatomprom” IPO and prospects of raising money in the equity markets for mining companies operating in Kazakhstan. New opportunities for financing junior geological exploration projects in Kazakhstan. Selecting exit strategy: initial public offering v. sale to private equity v. sale to strategic investors. Investment case. The experience of attracting a world-class investment fund to a private mining project in Kazakhstan.</i>	
Moderator:	Davron Rustamkulov, Managing Director, Central Asia Partnerships	
16:00 - 16:15	Foreign investment in the mining sector of Kazakhstan. Ksenia Manyushis, Principal Banker, European Bank for Reconstruction and Development	
16:15 - 16:30	Accessing Global Capital Markets Through London. Ayuna Nechaeva, Head of Europe, Primary Markets, London Stock Exchange Group	
16:30 - 16:45	Attracting investment to junior mining companies via Astana International Exchange. Arman Tastanbekov, Chief Legal Officer, Astana International Exchange	
16:45 - 17:00	A practical approach to selecting an exit strategy. Stefan Scholz, Managing Partner, ScholzvonGleich	
17:00 - 17:15	Structuring of a mining company for efficient sale to a strategic investor. Almat Daumov, Partner, GRATA International	
17:15 - 17:30	Preparing an exploration or mining project for investment. Mike Beare, Director and Corporate Consultant, SRK Consulting (Kazakhstan)	
16:00 - 17:30	Technical session 3	«Sary Arka 3»
	Digitalisation in the mining industry: tools to improve production	
Discussion topics:	<i>Industry 4.0: the digital transformation of the mining industry. The role and place of Kazakhstan. Government commitment to create an environment for the integration of digital technologies into domestic production. The challenges for the digital transformation of the mining industry in Kazakhstan and beyond. How do mining companies use the tools of the digital revolution? Digital twins: is it hype or an absolute requirement for the future? Examples of the implementation of AI solutions in certain segments of the production cycle. Introduction of machine learning, artificial intelligence and blockchain technologies.</i>	
Moderator:	Mykhailo Nazarenko, CEO, K-MINE	



MINEX Kazakhstan 2019 – draft agenda (13/03/2019)

16:00 - 16:15	Skills and People Development and Mining 4.0: The Role of HR in Capacity Building. Simon Elsy, Senior Mining Consultant, People 1st International	
16:15 - 16:30	Transformations of IT architecture of the Holding. Alexander Grevtsev, IT Director, Kazakhmys	
16:30 - 16:45	Automating process planning and management at mining ventures. Mykhailo Nazarenko, CEO, K-MINE	
16:45 - 17:00	Digital solutions for business processes optimisation at mining enterprises. Vera Muzgina, Research analyst, VIST Asia	
17:00 - 17:15	AGR — a simple tool to work with a geological database. Rostislav Bilik, Director General, AGR Software	
17:15 - 17:30	Integrated solutions for the mining industry: mine fans and related digital technologies. Denis Zhulanov, Exhaust Fans Sales Engineer, Howden	
18:00 - 20:00	Drinks	«Sary Arka 2»
4 APRIL	FORUM (DAY 3)	
	Venue: Radisson Astana Hotel	
08:30 - 09:30	Welcome coffee	«Sary Arka 2»
08:30 - 09:30	Workshop for IR /PR managers	«Sary Arka 3»
	How can companies talk?	
Discussion topics:	<i>Today, the information space is formed under the influence of many factors. Opinion about the company and its projects can be formed without the participation of the company itself - in the modern digital world it is not at all difficult to obtain information about the company. How should a company be and can participate in the development of its information space? Is it enough to be in contact with your partners or do you need to leave the “comfort zone”? Why is not enough simply providing the market with information about yourself and why industrial companies are engaged in the formation of a corporate brand. Who and how should be engaged in the creation of a corporate brand? How do strong brands help companies and organisations win internationally? How to make company events engaging not only for those who directly participate in these events, but also for millions of people in different countries around the world. Is it achievable? How to make an information occasion from a corporate event that would help the company to take its rightful place on the global information map? These and many other questions will be answered during the workshop “How companies talk?”.</i>	
Presenter	Sergey Stanovkin, Managing Director, Dars Consulting	



MINEX Kazakhstan 2019 – draft agenda (13/03/2019)

09:30 - 11:00	Plenary session 3	«Sary Arka 1»
	Prospects for the development of new exploration and mining projects	
Discussion topics:	<i>Trends. Resources. Technology. Regulation. Business cases.</i>	
Moderator:	Mike Beare, Director and Corporate Consultant, SRK Consulting (Kazakhstan)	
09:30 - 09:45	Eurasian Continent-a single mining and geological system. Nurlan Ryspanov, President, Eurasian Academy of Mining Sciences	
09:45 - 10:00	Kazakhstan’s position and share in global copper and zinc concentrates markets and focus on the main trends in the global markets relevant for Kazakh exporters Adina Sholanova, Consultant, CRU Group	
10:00 - 10:15	Programme for the establishment of a National Data Bank. Zhanat Karibayev, Director, Kazgeoinform – to be confirmed	
10:15 - 10:30	Challenge of doing exploration in faraway geographies: Yilmaden Joint Ventures with Kazgeology. Abdullah Karakaya, Mineral Exploration and Production Director, Yilmaden Holding	
10:30 - 10:45	Artisanal mining in the Kyrgyz Republic. Ishimbay Chunuev, President, Kyrgyz Mining Association	
10:45 - 11:00	Review of resource estimation in mining. Ashley Brown, Resource Delineation Manager, KAZ Minerals Management	
11:00 - 11:30	Coffee break	«Sary Arka 2»
11:30 - 13:00	Technical session 4	«Sary Arka 1»
	Optimising KPI in mining production	
Discussion topics:	<i>Technical factors in the optimisation of mining production. Identifying priority KPI in the selection of production economic optimisation models. What are the priorities? Content, tonnage or extraction? How should we teach geologists, miners and enrichers to think about aspects of financial and economic feasibility? Cut-off grade as a key indicator of the economics of mining production. The need to increase flexibility in state regulation to provide a legal basis for the optimisation in the mining economy.</i>	
Sponsors:	DMT and IMC Montan	
Moderator:	Pavel Shevchenko, Head of mining projects, IMC Montan	
11:30 - 11:45	Intelligent Mining. Alexander Popov, Consultant, RPMGlobal	
11:45 - 12:00	Optimisation of key parameters in mining project economics. Pavel Shevchenko, Head of mining projects, IMC Montan	
12:00 - 12:15	The power of single geological environment. Alexander Tyunyatkin, Regional Director, Russia and CIS, Seequent	



MINEX Kazakhstan 2019 – draft agenda (13/03/2019)

12:15 - 12:30	Automated control system for mining works. Serhii Baranovskyi, Chief Technical Officer, K-MINE
12:30 - 12:45	Improving operational performance by Intelligent Data use and Haul Road Explorer Software. Fraser McQueen, Senior Consultant (Mining Engineering), SRK Consulting (UK)
12:45 - 13:00	The use of economic indicators in the methodology of medium-term mining planning. Zhaskhan Bairov, Mining engineer, MICROMINE Central Asia
13:00 - 14:00	Lunch «Sary Arka 4»
14:00 - 15:45	Technical session 5 «Sary Arka 1»
	The digital revolution in exploration and geological data management
Discussion topics:	<i>Traditional and innovative geophysical, mineralogical and geochemical prospecting methods. The main trends in modern exploration techniques. New level of geological data management. Organisation of electric prospecting works and interpretation of magnetotelluric and magnetovariational sounding data. Fundamentals of automated field geometrisation. Practical examples of discoveries of hidden mineralisation and potential ore fields using traditional and digital methods.</i>
Moderator:	Yulia Cherepanova, Geologist, Wardell Armstrong International
14:00 - 14:15	DATA - What's it all about? Che Osmond, Technical Director, Wardell Armstrong International
14:15 - 14:30	Experience of using traditional and new technologies of geophysics in prospecting and exploration of ore deposits in Kazakhstan. Petr Kovrizhnykh, First Deputy General Director, Geoken
14:30 - 14:45	Systematisation and analysis of stock geological materials and remote sensing data for geological exploration. Boris Geldyyev, Managing Director, Terra Exploration
14:45 - 15:00	OreVision Induced Polarization in Kazakhstan – An Update and Case Study. Chris Nind, Vice-President, Business Development, Abitibi Geophysics
15:00 - 15:15	Hunting for Hidden Giants: Could a Mineral Systems Approach help to discover the next generation of world-class deposits in Central Asia? Harri Rees, Exploration Geologist, SRK Exploration Services
15:15 - 15:30	Ultrawide MT system + Real Time (RT) monitoring. Murat Urakov, Senior Geophysicist, Phoenix Geophysics
15:30 - 15:45	The results of polymetal exploration in the North Kazakhstan region with using EMS-IP technology. Yury Davidenko, General Director, Gelios



MINEX Kazakhstan 2019 – draft agenda (13/03/2019)

14:00 - 15:30	Technical session 6	«Sary Arka 3»
	Boosting mining productivity with smart solutions	
Discussion topics:	<i>From equipment supply to integrated solutions. Consolidation of mining production processes. Control systems and systems integration mining industry. The optimisation of enrichment and ore sorting processes. Improving the efficiency of ore blending and ore separation processes. Ore control.</i>	
Moderator:	Evgeny Bessonov, General Director, Thermo Techno Engineering	
14:00 - 14:15	FLSmidth (Kazakhstan) – speaker to be confirmed	
14:15 - 14:30	Automated analytical control at mining and metallurgical enterprises. Evgeny Bessonov, General Director, Thermo Techno Engineering	
14:30 - 14:45	Elemental analysis of ores in the field conditions using the tagged neutron method. Mikhail Sapozhnikov, Scientific Director, Diamant	
14:45 - 15:00	Optimising ore recovery by accounting for blast movement at Vasilkovsky Mine, Altyntau Kokshetau. Boris Lipatov, Senior consultant, Blast Movement Technologies (BMT)	
15:00 - 15:15	3D modelling and inversion of airborne magnetic and legacy gravity data with usage of non-trivial reference models. Cluster analysis and 3D pseudo-lithological interpretation for increased accuracy of drilling program. Vladislav Kaminski, Senior geophysicist, Promiseland Exploration	
15:15 - 15:30	Q&As	
15:45 - 16:15	Coffee break	«Sary Arka 2»
16:15 - 17:30	Panel discussion 2	«Sary Arka 1»
	Future Mining Industry: developing potential for social engagement, education and innovation	
Discussion topics:	Legislative changes for the development of Industry 4.0 in Kazakhstan. The National Plan for Digital Transformation in the Kazakhstani mining industry. The experience of creating technology parks and innovative hubs. The future of the mining labour market in Kazakhstan. Next Generation Workforce tools. Future skills in the mining sector: how to achieve “fitness for purpose”. Training programs for future specialists with the participation of mining companies. Social projects in the mining industry.	
Moderator:	Sergey Stanovkin, Managing Director, Dars Consulting	
16:15 - 16:30	Economic Inclusion through improved and standardised high-quality training for youth in the mining sector in Kazakhstan. Kate Tetley, International Manager, People 1st International	



MINEX Kazakhstan 2019 – draft agenda (13/03/2019)

16:30 - 16:45	Are we ready for Mine 4.0 in the context of Industry 4.0? Educating Mining Engineers of the Future. Fidelis Suorineni, Professor of Mining Engineering and Acting Dean, Nazarbayev University
16:45 - 17:00	Dual form of training - as Interaction. Vitaliy Shakmanov, Head of the Department of Technology and Integrated Mechanization of Mining, Kuzbass State Technical University
17:00 - 17:15	The Atlas of new professions in extractive industries for the next 15-20 years. Sayasat Nurbek, Head of Education Projects, BTSDigital – to be confirmed
17:15 - 17:45	Discussion
Panellists	Sergey Opanasenko, Chairman of the Board, ERG Research and Development Engineering Centre
	Simon Elsy, Senior Mining Consultant, People 1st International
	Yelena Bukashkina, Director, Kazakhmys Technological College
	Murat Saidukasov, Consultant, CenterConsulting
	Assiya Turlybayeva, Special disciplines lecturer, Exploration College
17:45 - 18:15	MineTech awards presentation «Sary Arka 1»
18:30 - 21:00	Gala dinner «Sary Arka 4» <i>Dedicated to the 10th Anniversary of MINEX Forum in Kazakhstan</i>