



Kazakhstan Association for Public Reporting of Exploration results, Mineral resources and Mineral reserves. Status and way forward.

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KZ deposits by commodities

Contracts			
Exploration	Mining	Exploration and Mining	Total
199	172	116	487

Commodity	Gold	Copper	Led	Zinc	Iron	Chrome	Manganese	Molybdenum	Bauxites	Nickel	Tin
# deposits	320	115	93	89	60	17	34	46	24	41	15

Source – Kazgeoinform

Resources and 2000-2015 mining

Commodity	Gold	Copper	Led	Zinc	Iron	Chrome	Manganese	Bauxites	Uranium
	t	Mt	Mt	Mt	Mt	Mt	Mt	Mt	Kt
Resources *	2,429	40	16	34	18,703	361	682	336	1,700
% resources worldwide	5%	5%	10%		6%	38%	30%	1%	12%
Mined 2000-2015	616	7.7	2.5	9	682	66	41	75	127

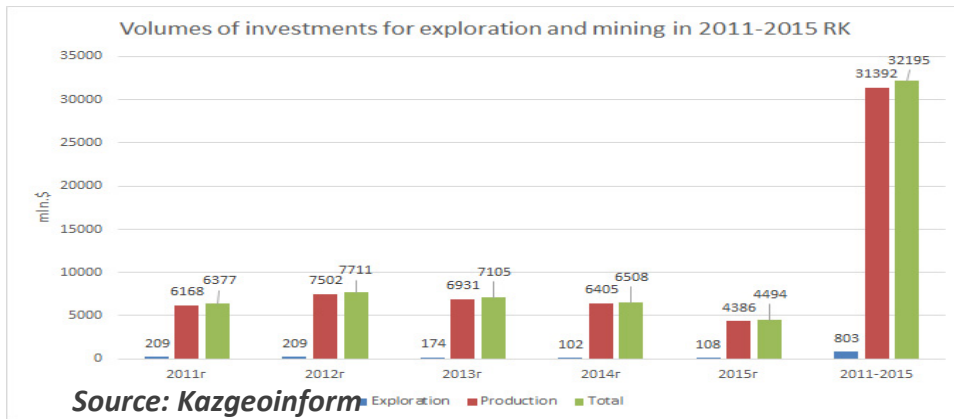
Source – Kazgeoinform/Kazatomprom

* - According to State committee of resources (GKZ) standards.

- Except uranium ISR mining KZ has no other significant achievements

Investment in Exploration

In Kazakhstan

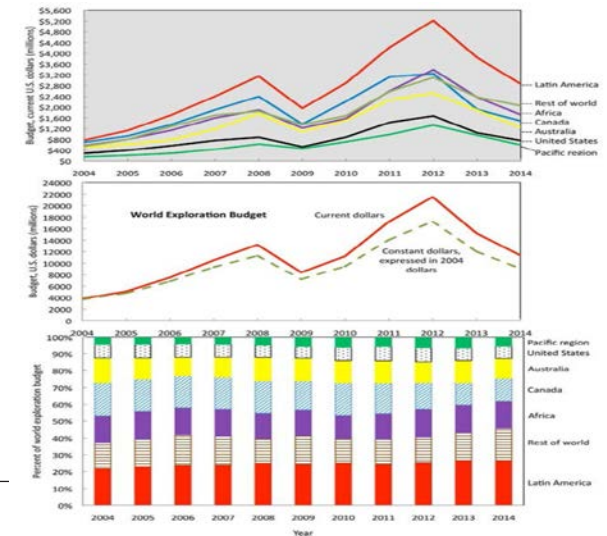
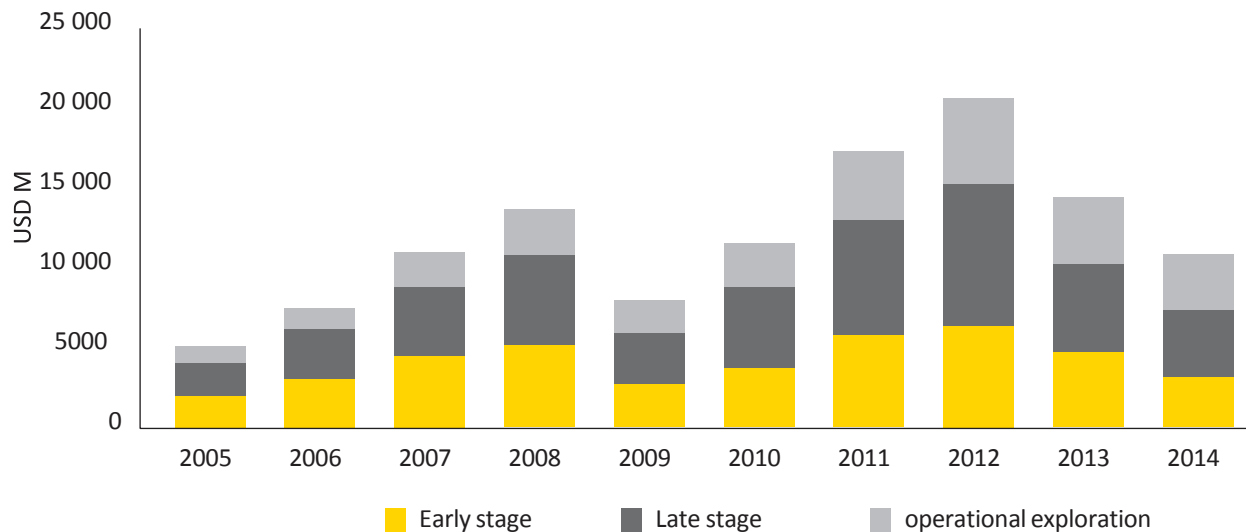


Total investment in mining 2000-2015
USD64.3BN

Exploration investment – 2.8%.

Of worldwide exploration - 1%.

Worldwide



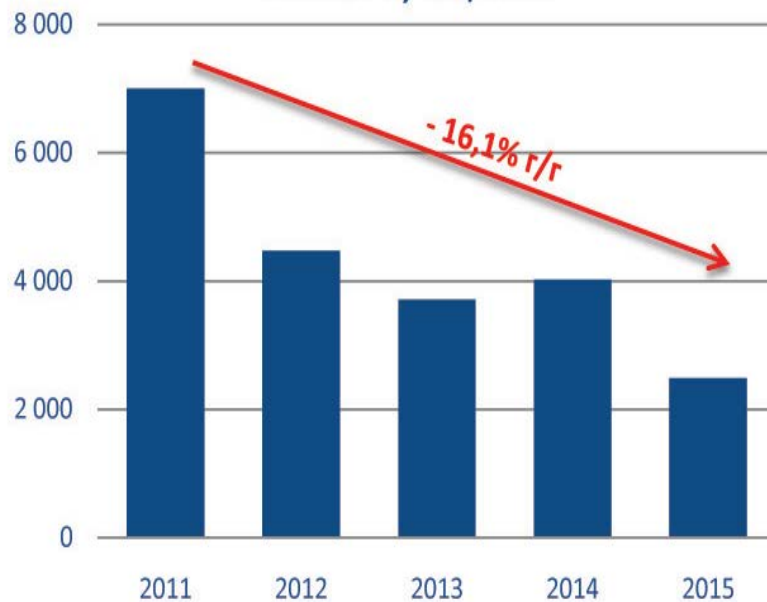
Direct international investments in mining

Worldwide USD



Источник: Thomson Reuters

In Kazakhstan



Source: HB RK

In terms of foreign direct investment in mining Kazakhstan's share is about 1.5%.

CRIRSCO reporting in Kazakhstan

- 2014 - SRK and Kazgeology prepared documents:
 - CRIRSCO-Kazakhstan code
 - CP code of ethics
 - Bridging documents
- 2014 - PONEN was formed
- In 2015 President of Kazakhstan announced THE 100 CONCRETE STEPS SET OUT BY PRESIDENT NURSULTAN NAZARBAYEV TO IMPLEMENT THE FIVE INSTITUTIONAL REFORMS
- Step 74 is CRIRSCO implementation.
- KZ contacted CRIRSCO for consultations and guidance.
- KAZRC was formed and registered
- 3 November 2015 – MoU between KZ and CRIRSCO signed between Harry Parker and Minister of Industry and Development.

14 June 2016 KAZRC became 10th CRIRSCO member



KAZRC association

- Founding members:
 - Association of geological companies
 - Association of mining and metallurgical companies
 - Kazgeology
- Participated:
 - PONEN
 - Kazakhstan stock exchange (KASE)
- Joined later
 - Micromine
 - Petro Kazakhstan
 - Kazzinc



<http://kazrc.kz>



KAZRC association



KAZRC association documents

- Charter
- Membership regulations
- Regulation on the Coordinating Council
- Regulation on the Executive Authority
- Regulation on the Audit Committee
- Regulation on the Committee on Standards

Professional body PONEN

- Formed by mining professionals in 2014
- Registered in 2015
- Has disciplinary procedures
- Charter CRIRSCO accepted
- Code of ethics
- Membership guidelines
- PD guidelines
- Membership grades:
 - FPONEN – 20+years
 - MPONEN – 5+years
 - APONEN – -5years
 - SPONEN – Students and PhD students



<http://ponen.kz>

Committee on standards



- The Committee on Standards is a division of KAZRC and consists of representatives KAZRC Association and its members.
- PONEN executive committee and founders are part of committee on standards
- Scope of Committee on Standards is to keep KAZRC up to date

Reciprocity

	Country	Code	Status
1	South Africa	SAMCODES	Accepted
2	Russia	NAEN	Accepted
3	Mongolia	MRC	In process
4	Canada	CIM	In process
5	Australasia	JORC	In process
6	Chili	Comisión Minera	In process
7	Brazil	CBRR	In process
8	Europe	PERC	To be started
9	USA	SME	To be started

KAZRC implementation

- Training - the key challenge for the implementation of reporting standards KAZRC / CRIRSCO.
- Signed MoU with Committee of geology and subsoil use, KAZRC association and POEN on support in KAZRC implementation in Kazakhstan
- Reached agreement with Kazakhstan National Technical Research University – leading mining university in Kazakhstan.
- Regional universities to join the initiative
- Encourage mining professionals to join PONEN
- Our task - to organise a multi-level system of training in order to increase the number of competent persons.
- KAZRC recognised by Kazakhstan Stock Exchange
- KASE included KAZRC and CRIRSCO aligned codes in listing rules



Thank you.

Any questions?



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 **srk** consulting