



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

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8 November 2016r**

# KZ deposits by commodities

<b>Contracts</b>			
<b>Exploration</b>	<b>Mining</b>	<b>Exploration and Mining</b>	<b>Total</b>
<b>199</b>	<b>172</b>	<b>116</b>	<b>487</b>

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

*Source – Kazgeoinform*

# Resources and 2000-2015 mining

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

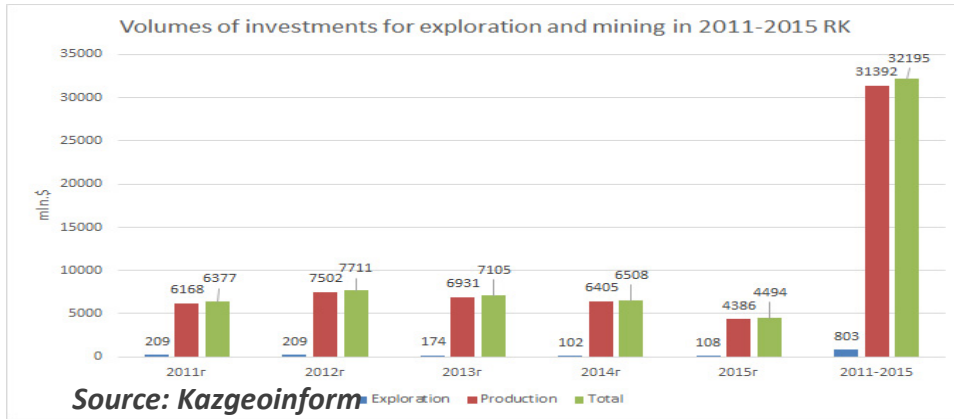
*Source – Kazgeoinform/Kazatomprom*

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

- Except uranium ISR mining KZ has no other significant achievements

# Investment in Exploration

## In Kazakhstan

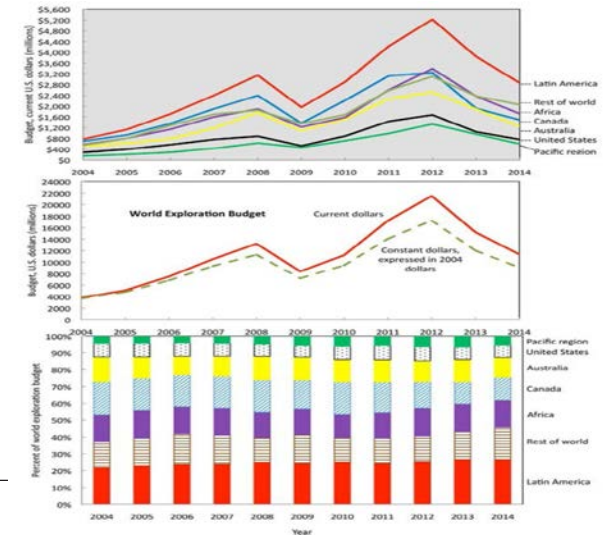
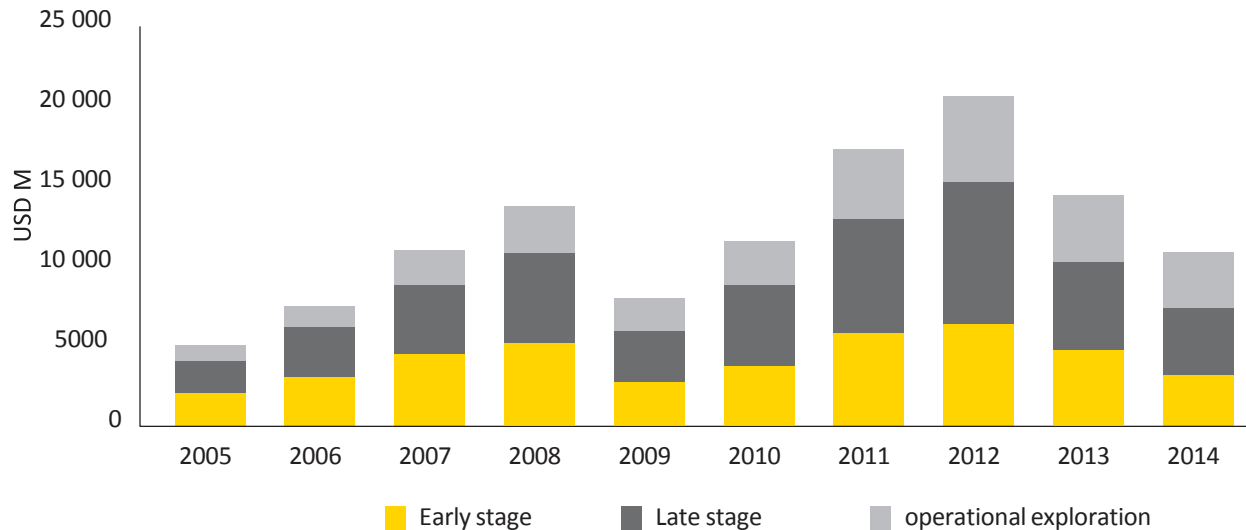


Total investment in mining 2000-2015  
USD64.3BN

Exploration investment – 2.8%.

Of worldwide exploration - 1%.

## Worldwide



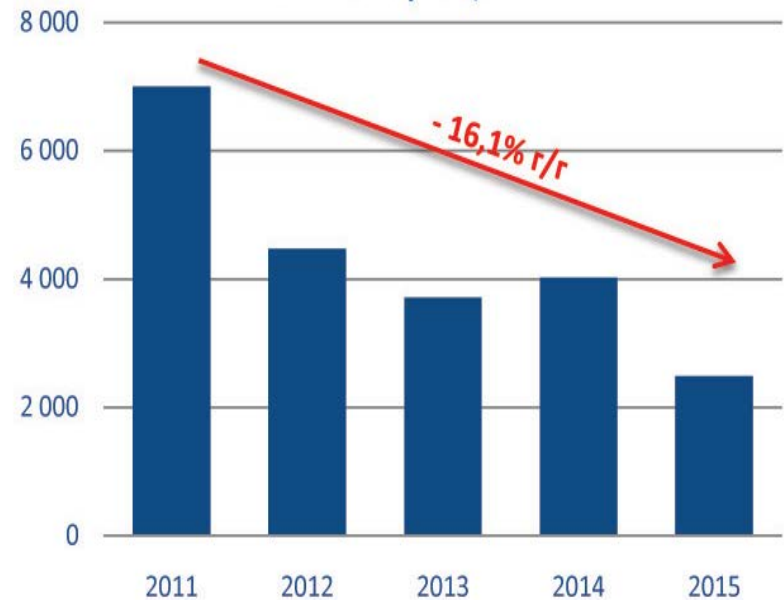
# Direct international investments in mining

## 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

- Task force group of SRK and Kazgeology prepared initial documents:
  - CRIRSCO-Kazakhstan code
  - CP code of ethics
  - Bridging documents

## 2015

- THE Nation Plan of Kazakhstan “THE 100 CONCRETE STEPS” SET OUT BY PRESIDENT NURSULTAN NAZARBAYEV TO IMPLEMENT THE FIVE INSTITUTIONAL REFORMS
- KAZRC Association and PONEN were formed and registered
- KZ contacted CRIRSCO for consultations and guidance.
- 3 November 2015 – MoU between KZ and CRIRSCO signed between CRIRSCXCP chairperson and Minister of Investments and Development.

## 2016

- 14 June KAZRC Association was accepted 10th member of CRIRSCO.



# 14 June 2016 KAZRC became 10<sup>th</sup> CRIRSCO member



# KAZRC Association

## Founders

- Association of exploration enterprises
- Association of mining and metallurgical companies
- Kazgeology



<http://kazrc.kz>

## Joined I

- PONEN
- Micromine
- Petro Kazakhstan
- Kazzinc





# KAZRC association

## KAZRC Association documents- CRIRSCO accepted



- 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

- Tack Force group 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 Association and consists of representatives of KAZRC Association members.
- PONEN executive committee and founders are key 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	Accepted
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 PONEN 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 organize a multi-level system of training in order to increase the number of competent persons.
- KAZRC recognized by Kazakhstan Stock Exchange  KASE КАЗАХСТАНСКАЯ  
ФОНДОВАЯ  
БИРЖА
- KASE included KAZRC and CRIRSCO aligned codes in listing rules

# Acknowledgment



<http://ponen.kz>



<http://kazrc.kz>

**Thank you.**