



MINISTRY
OF MINING



MONGOLIAN PROGRESS TOWARDS MEMBERSHIP OF CRIRSCO

BAATARTSOGT B, BAT-ERDENE D
Ministry of Mining

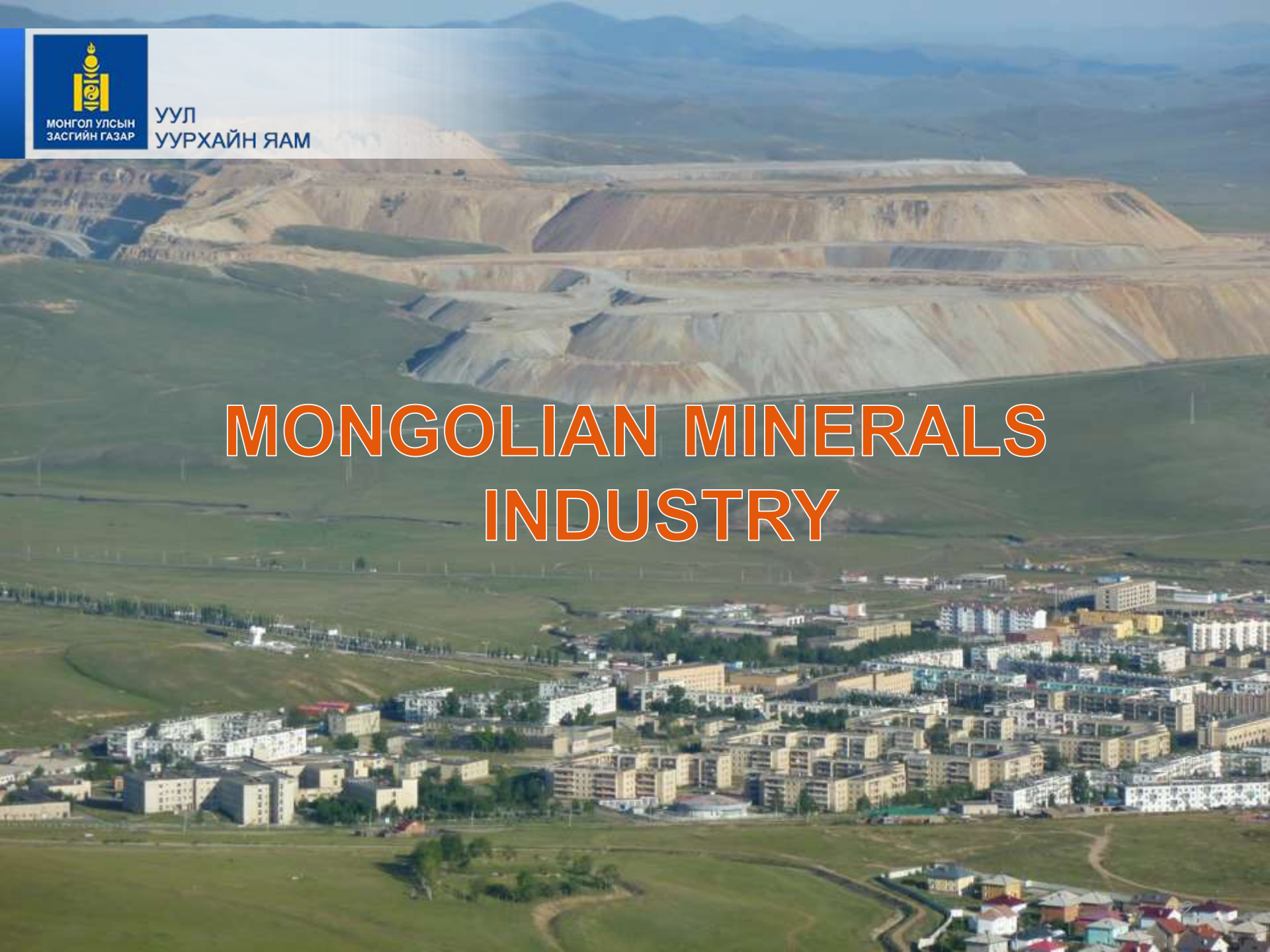
Ulaanbaatar, 14 October 2014



МОНГОЛ УЛСЫН
ЗАСГИЙН ГАЗАР

УУЛ
УУРХАЙН ЯАМ

MONGOLIAN MINERALS INDUSTRY



Mongolian Minerals Industry has history of 101 years



1991 - Today

Stability in legal and investment environment

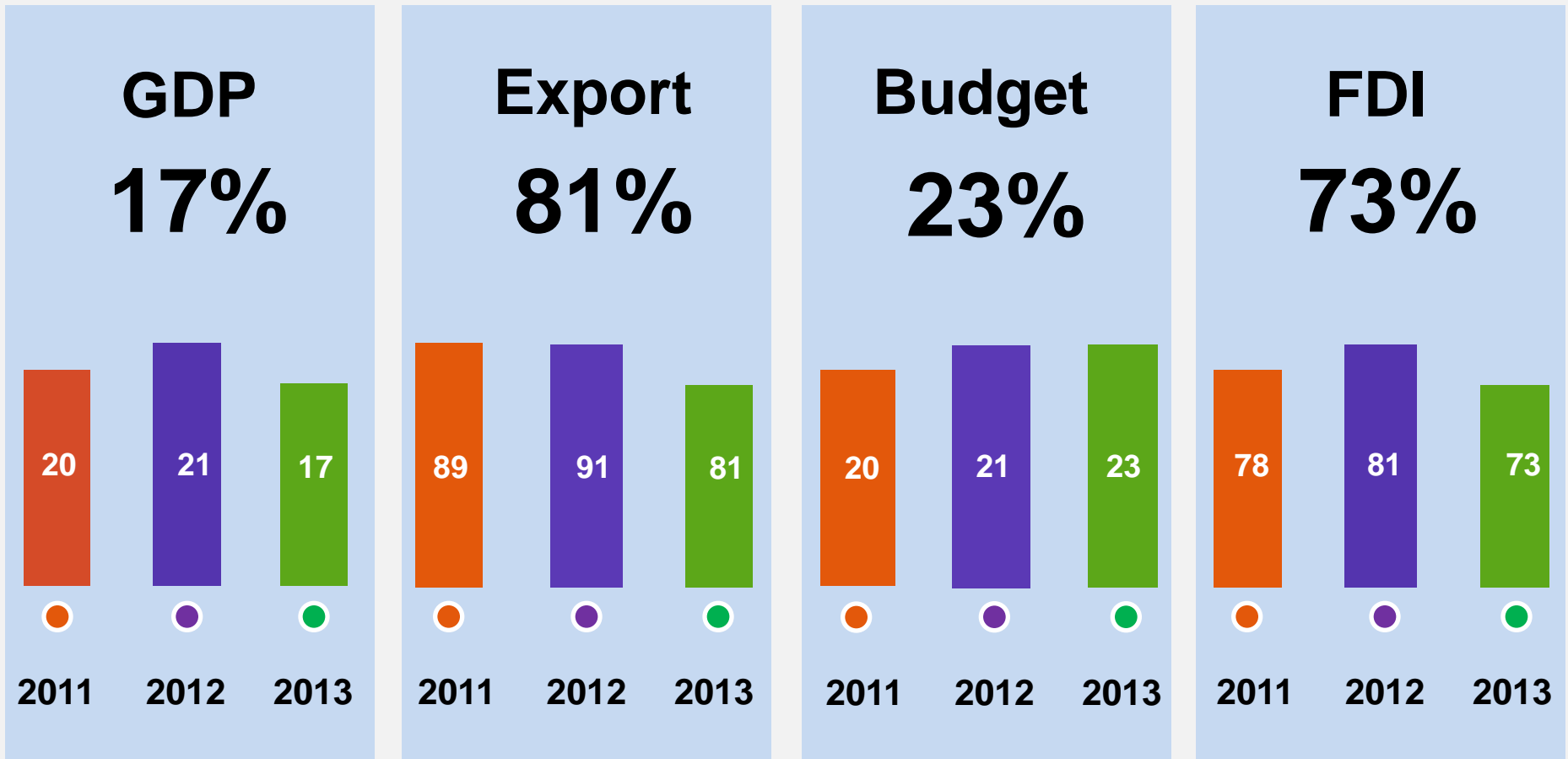


1923 - 1990

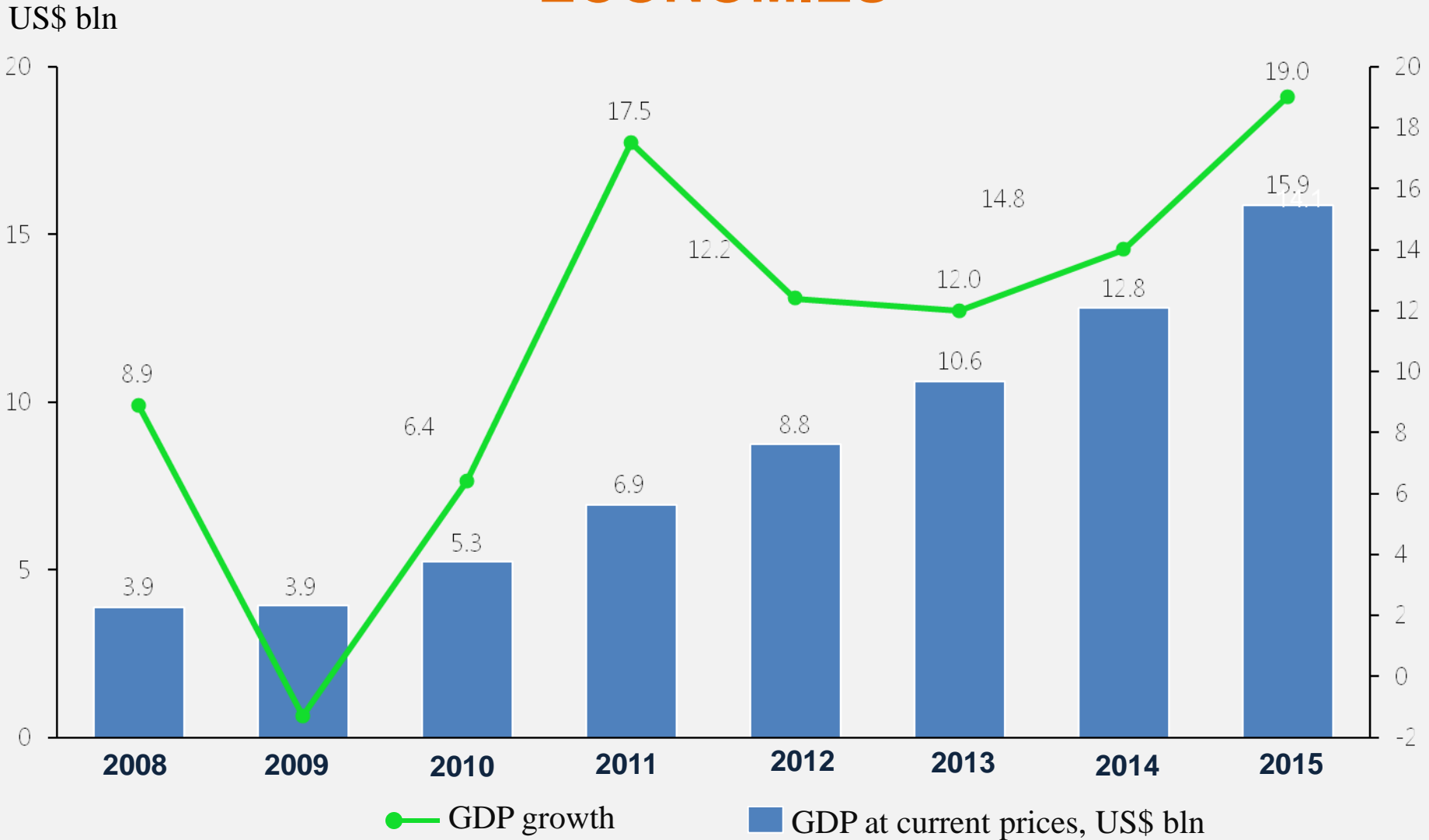


1913 - 1921

Mineral sector contribution to the Mongolian economy /2011-2013/



“ONE OF THE FASTEST GROWING ECONOMIES”



Ministry of Economic Development forecasts Mongolia to continue enjoying double digit growth in the coming years.

Why Mongolia changed mineral's resource classification

Coordinate and tie up with social, political and economic changes in the country

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graph TD; A[Coordinate and tie up with social, political and economic changes in the country] --> B[Transfer to market economy]; B --> C[Importance of role of CP in relation to market, international resource classification, reporting standards];
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Transfer to market economy

Importance of role of CP in relation to market, international resource classification, reporting standards

History of Mongolian resource classification

1980

- Straight use of USSR resource classification.

1993

- Comparative analyses of USSR, Canadian, Australian, USA resource classifications. Consultations with western experts such as Dr. A. Clark (USA), Dr. G. Velner (Germany)

1998

- Approval and use of “Temporary mineral resources classification”

2014

- Development of “Mineral resources and deposit reserves classification” according to CRIRSCO’s requirements

Certified Geologist

At the meeting of the **Mongolian Economic Geologists Society in December 2006** the matter of certifying Mongolian geologists with internationally recognized certification was discussed. Accordingly, steps have been taken in this particular direction.

Since 2008, trainings for geologists and engineers have been carried out at the Mongolian Technical University, and **titles of professional and consultant engineer have been issued.**

Cooperation between Mongolia and CRIRSCO

- **A Working Group established by Minister's decree nr 79 of 05 April 2010:**
 - To carry out analysis of mineral deposits' reserves and their international classification, and look into the possibility of using it in Mongolia
- **Australian company "Snowden":**
 - To develop a National Classification and MRC code for reporting on Mongolian geological exploration results, mineral resources and their reserves in compliance with CRIRSCO model
- Memorandum of Understanding was signed on 28 Oct 2011 between Mongolian Mineral Resource Committee and CRIRSCO.

SIGNING CEREMONY OF MOU BETWEEN MONGOLIAN MINERALS COMMITTEE AND CRIRSCO

London 2011.10.28



Measures taken by the Ministry of Mining

The Working Group established by Minister's decree # 71 of 06 Dec 2012

- To carry out a **comparative study between the classification of Mongolian mineral resource/reserves and international classification**, with subsequent conclusions and recommendations

The Working Group established by Minister's decree # 182 of 10 Sep 2013

- To develop, in accordance with international standards, **the procedures for mineral exploration and classification of hard rock mineral deposit reserves.**

The Working Group established by Minister's decree # 196 of 26 Sep 2013:

- Draft recommendations on **the charter, membership and ethics code of the Mongolian mineral reserves expert organization (NRO)**

Outcomes

- “Developed the “Classification of mineral resources and their deposits’ reserves” in accordance with CRIRSCO’s requirements.
- Renewed the guidelines for mineral resources exploration.
- In 2013, organized “International Standards and Reporting on reserves of mineral deposits” seminar
- Established the Mongolian Professional Institute of Geoscience and Mining.
- Made changes and amendments to the Minerals Law of Mongolia.

Seminar on “International Standards and Reporting of mineral deposits reserves”



Participants: 35 professional geologists from state and private organizations

Speakers: H. Parker (CRIRSCO)
B.Oyungerel (Snowden LTD)
I. Jones (Snowden LTD)

Changes to the policy and legislation

The State Minerals Policy :

- “Legal environment shall be created for exploration in the minerals sector and must be carried out by **a professional organization comprised of a team of certified engineers**”;
- “evaluation of mineral resources and mineral deposit’s reserves shall be carried out **according to international standards**”

Minerals Law:

- “a professional, an analyst” is an individual who is nationally and internationally recognized, and has rights bestowed upon by a geological or mining NGO”
- “to ratify the guidelines for public reports on mineral resources, deposit reserves and exploration conducted in cooperation with nationally and internationally recognized geological and mining NGOs”

Mongolian Professional Institute of Geosciences and Mining

- In January 2014 Mongolian Professional Institute of Geosciences and Mining was established.
- In September 2014 Ministry of Mining signed MOU with the Mongolian Professional Institute of Geoscience and Mining with aim to:
 - Take measures to train specialists with national and international recognition and certification
 - Jointly ratify the MRC Code for reporting on exploration results, mineral resources and deposit reserves based on CRIRSCO requirements.

Signing ceremony of MOU between Ministry of Mining and Mongolian Professional Institute of Geosciences and Mining.



State Secretary – R. Jigjid

President of MPIGM – D. Damba



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Thank you for your attention