



MINERAL EXPLORATION AND MINING INDUSTRY OF MONGOLIA

CHAIRMAN Dr. BAATARTSOGT Baldorj

TIANJIN
2017.09.23





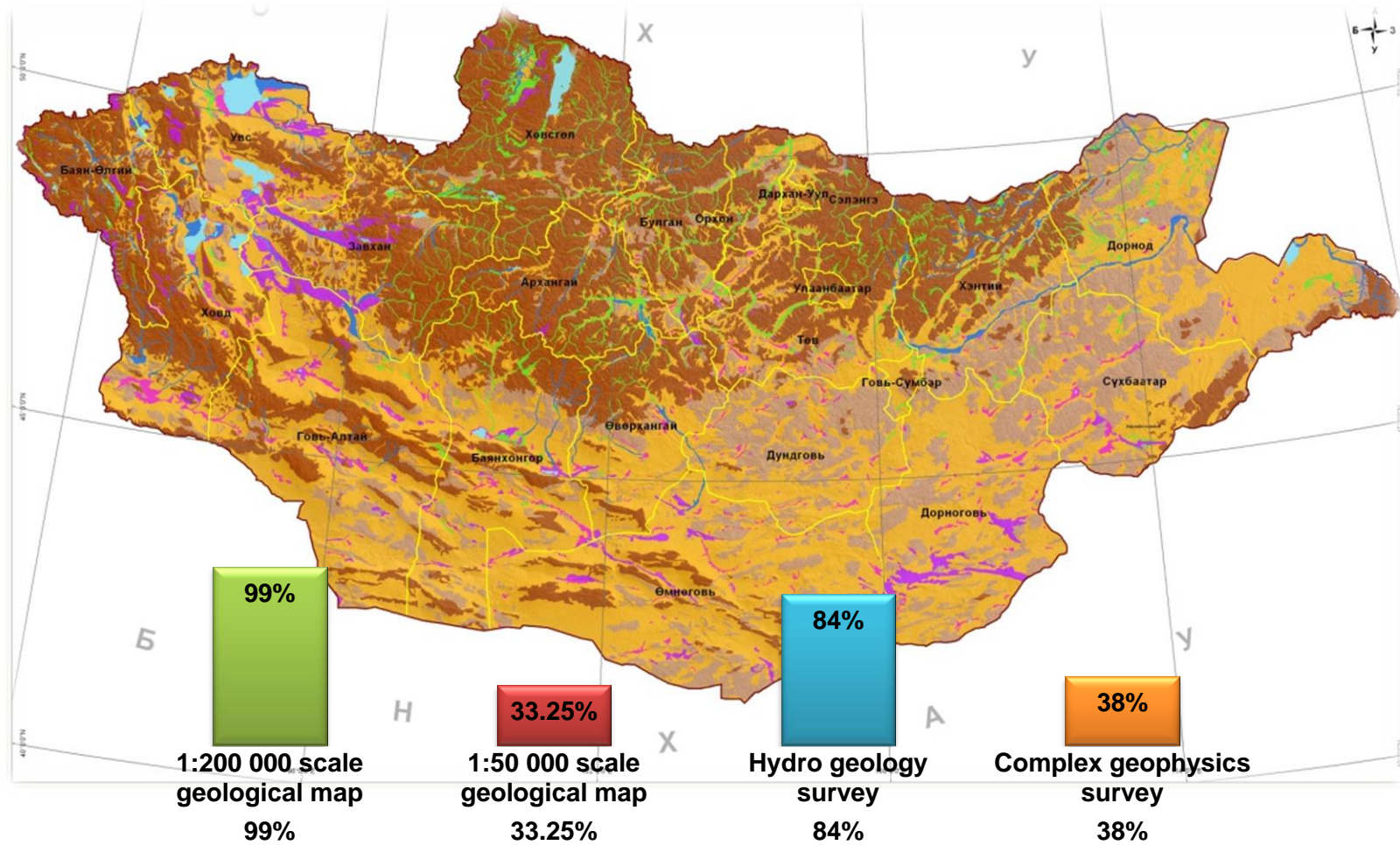
CONTENT:

- 1. PRESENT SITUATION OF GEOLOGICAL SURVEY AND EXPLORATION**
- 2. ISSUENCE OF NEW LICENSES**
- 3. INVESTMENT ENVIRONMENT AND OPPORTUNITIES**



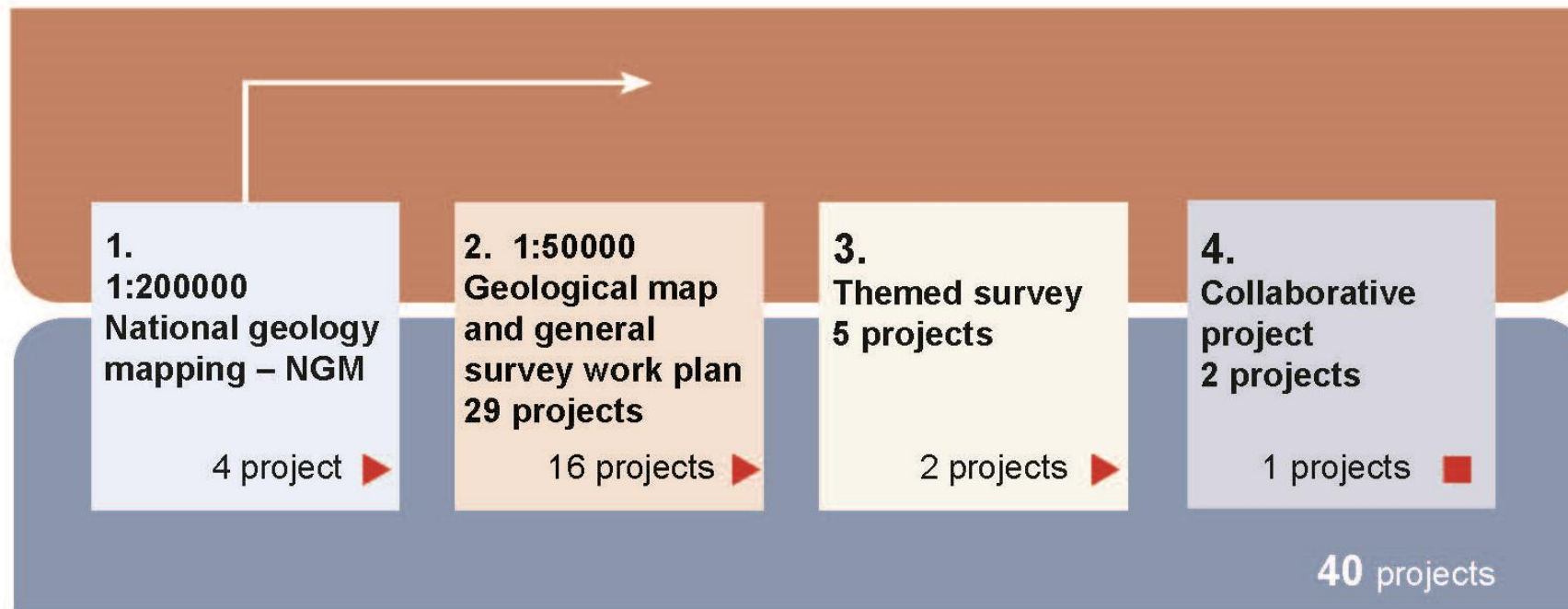


PRESENT SITUATION OF GEOLOGICAL SURVEY AND EXPLORATION





ONGOING GEOLOGY PROJECTS FUNDED BY GOVERNMENT BUDGET





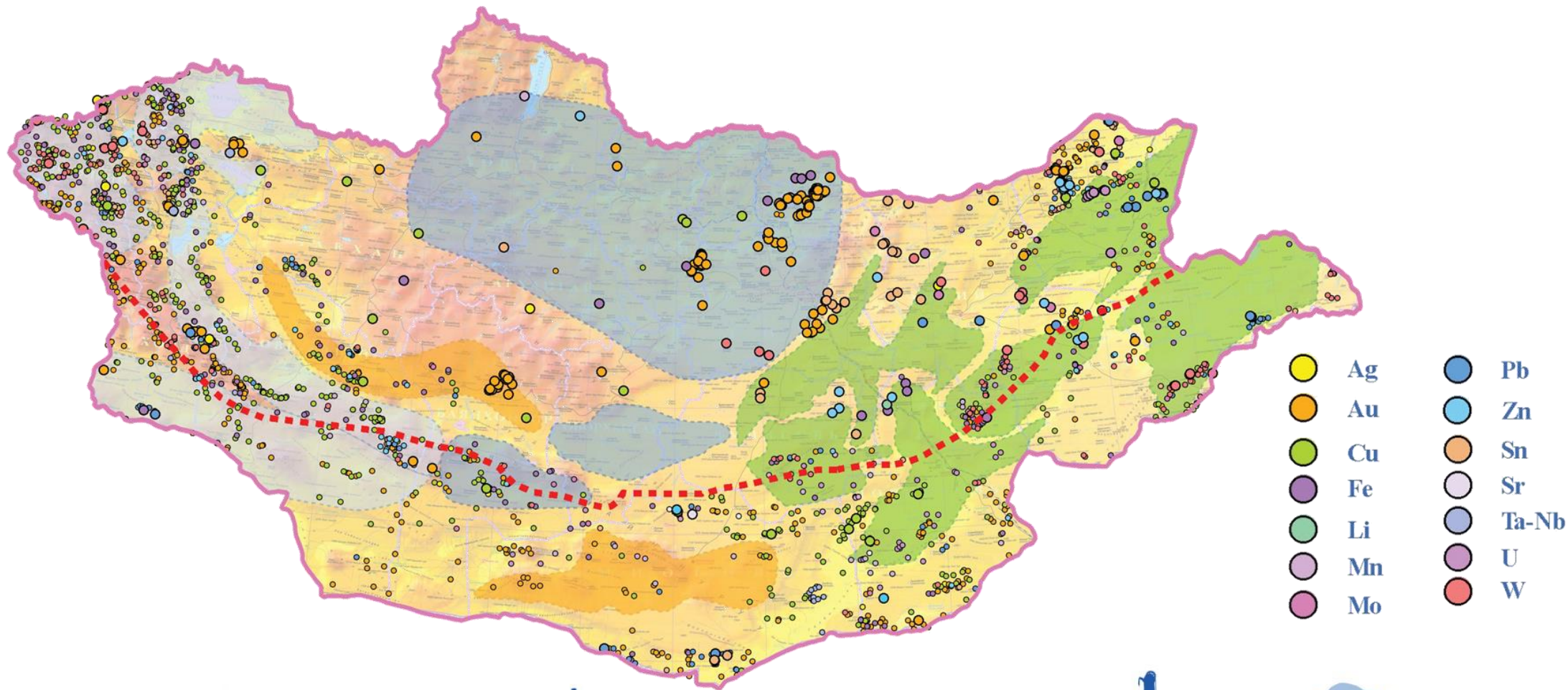
FINANCING OF THE GEOLOGICAL EXPLORATION SURVEYS CONDUCTED WITH STATE BUDGET

	2013		2014		2015		2016	
	Million MNT	Performance	Million MNT	Performance	Million MNT	Performance	Million MNT	Performance
TOTAL	6809.9	93.0%	9209.2	92%	9280.6	82%	9164.2	98%
NGM 1:200000	763.89	5.6%	807.2	89%	330.5	63%	649.5	99%
1:50000 GMGEWP	5809.4	96.5%	7314.8	93%	5556.7	78%	5103.2	105%
Themed project	155.8	34.3%	1003.5	88%	3167.7	92%	3183.9	100%
Partnership projects	80.9	168.9%	83.6	70%	225.6	79%	227.7	92%



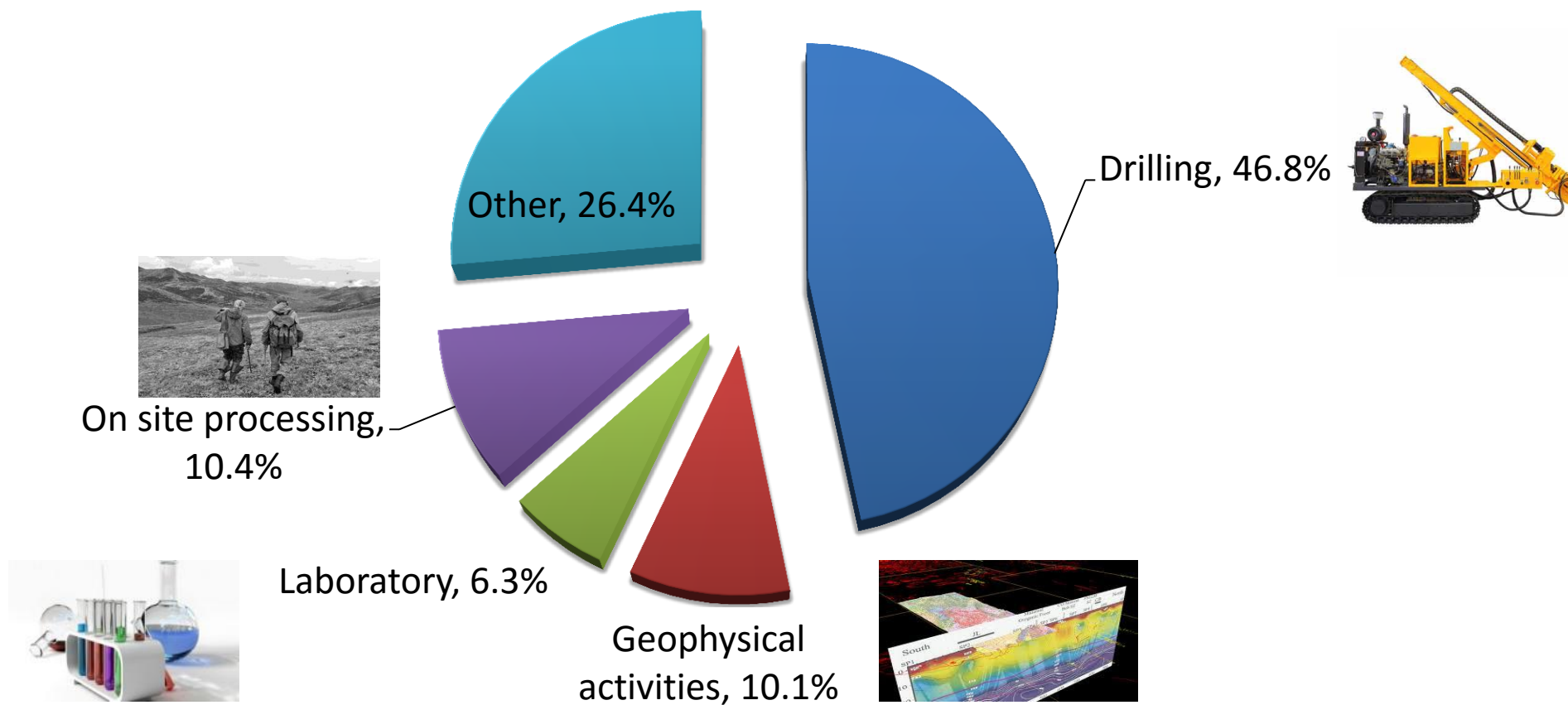


DISTRIBUTION MAP OF MINERAL OCCURANCES





TYPES OF EXPLORATION WORK COST BY LICENSE HOLDERS IN PERCENTAGE

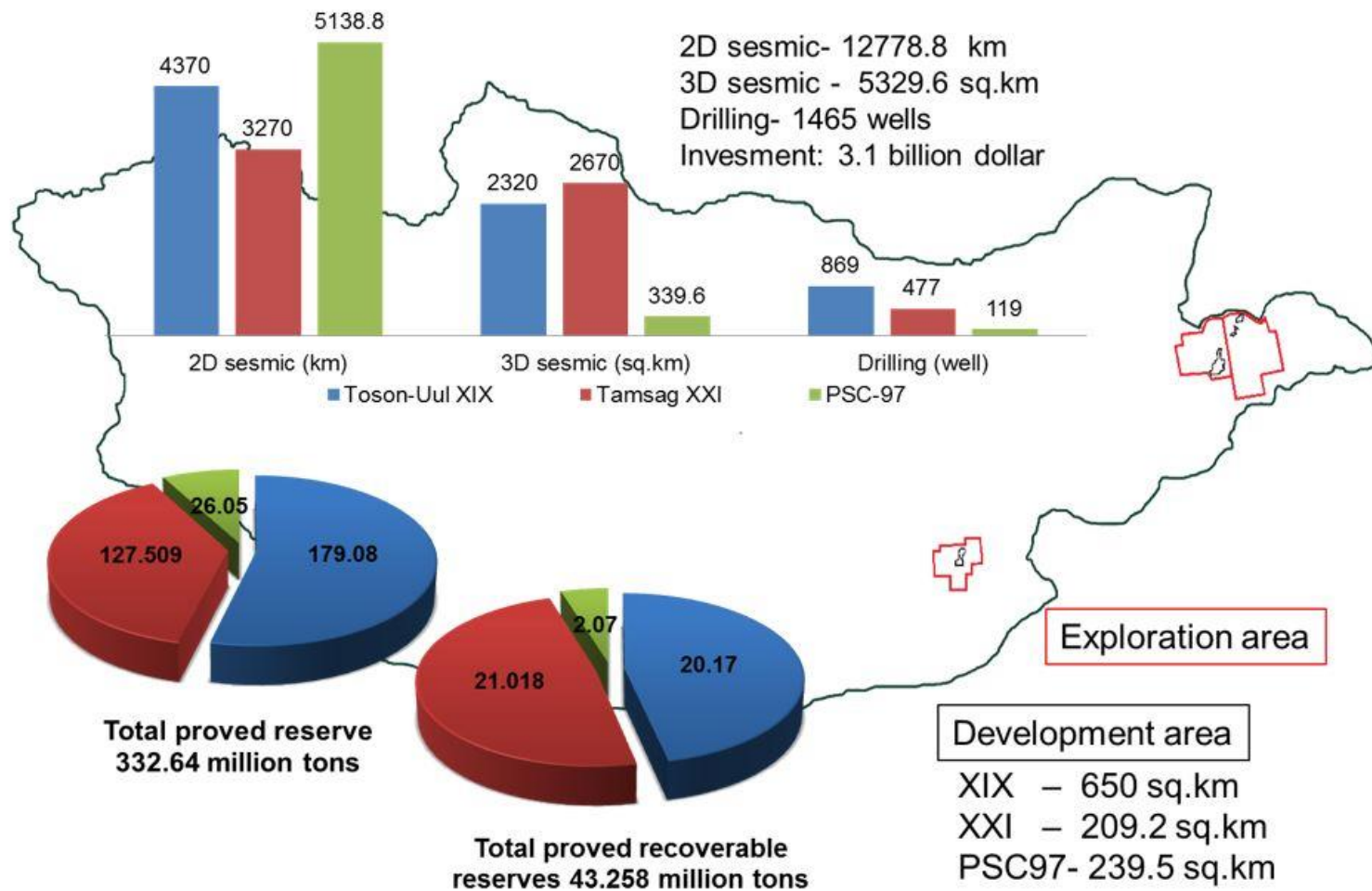


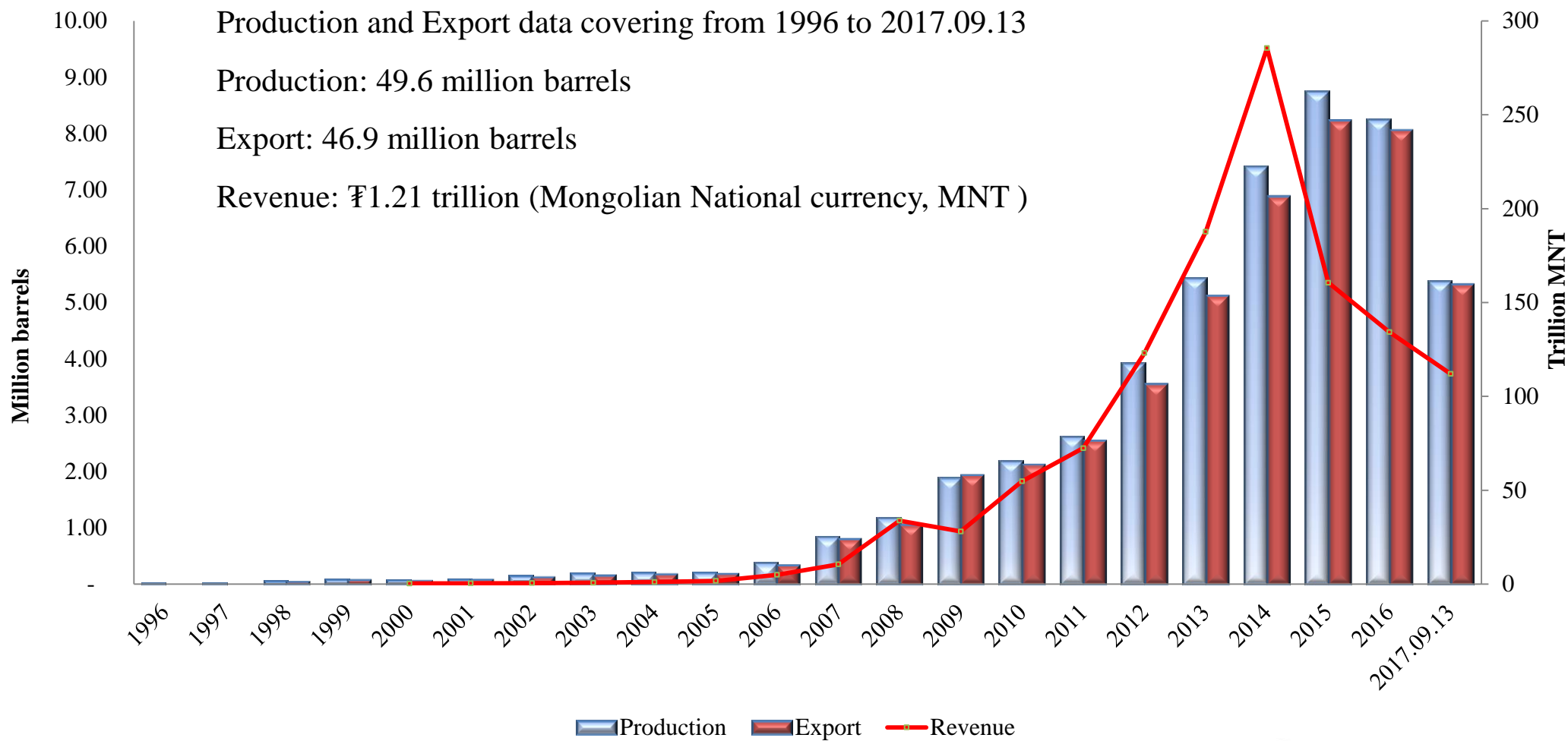


MINING PRODUCTION

Product	Unit	2011	2012	2013	2014	2015	2016	2017.VI
Gold	tons	4.4	4.3	7.2	7.5	12.6	15.4	6.66
Copper concentrate	th.tons	516.1	1252.1	1334.2	1365.4	1346.2	1399.7	723.6
Coal	m.tons				24.5	24.1	35.1	26.0
Molybdenum concentrate	th.tons	3.15	3.93	3.67	4.05	5.53	5.05	2.96
Zinc concentrate	th.tons	105.8	118.0	103.5	93.1	89.6	117.4	56.5
Iron ore	th.tons	4663.3	6382.1	6793.3	7557.8	6061.2	5083.0	2464
Acidspar	th.tons	50.8	98.8	57.2	61.0	51.6	80.0	
Metspar	th.tons	200.2	278.1	82.0	117.6	55.8	100.0	67.32
Tungsten concentrate	th.tons	0.20	0.13	0.53	1.08	0.68	1.42	0.143
Tin concentrate	tons	54.8	98.6	16.5	99.8	82.3	50.2	NA

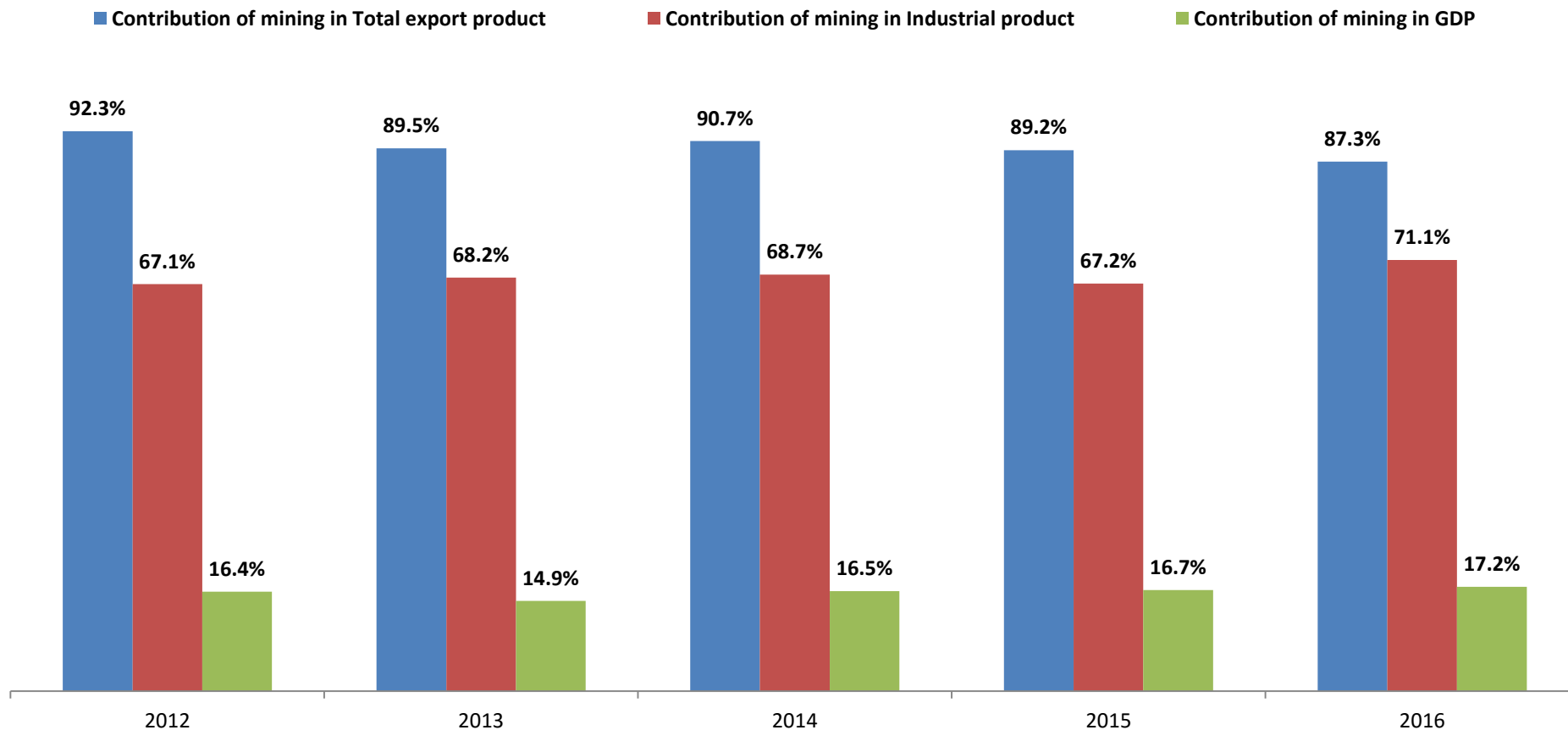






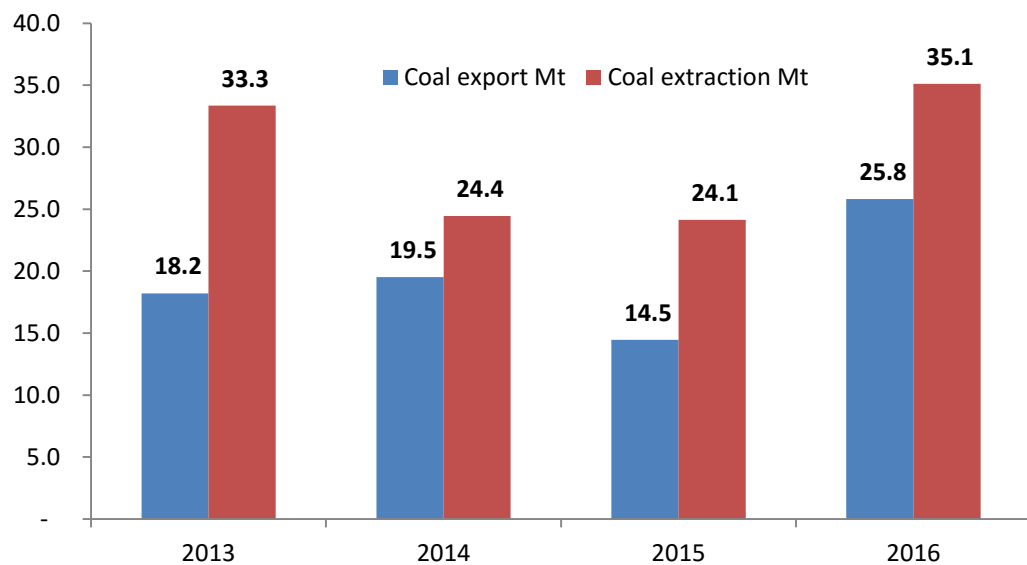


MINING SECTOR CONTRIBUTION INTO NATIONAL GDP, INDUSTRIAL PRODUCTION, EXPORT INCOME

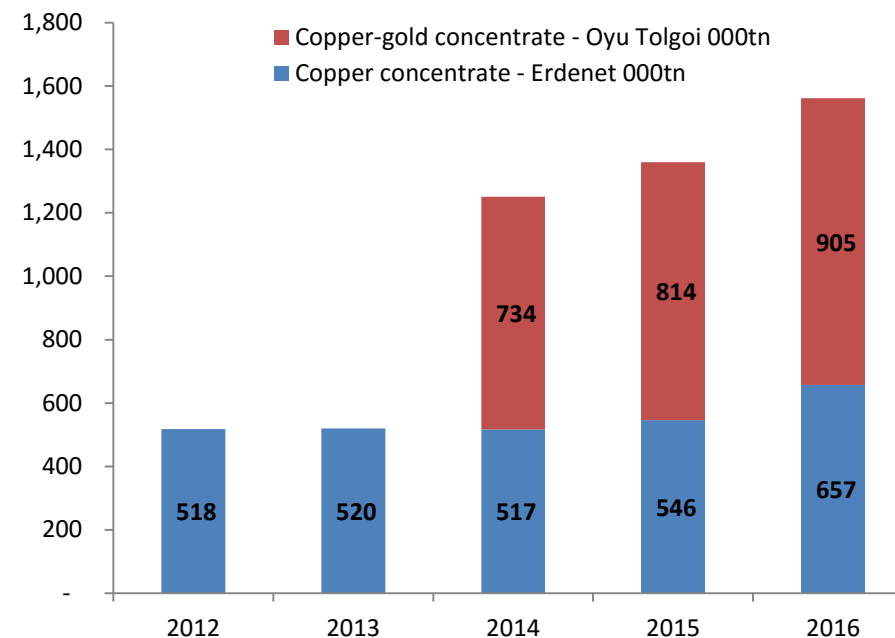




COAL PRODUCTION AND EXPORT

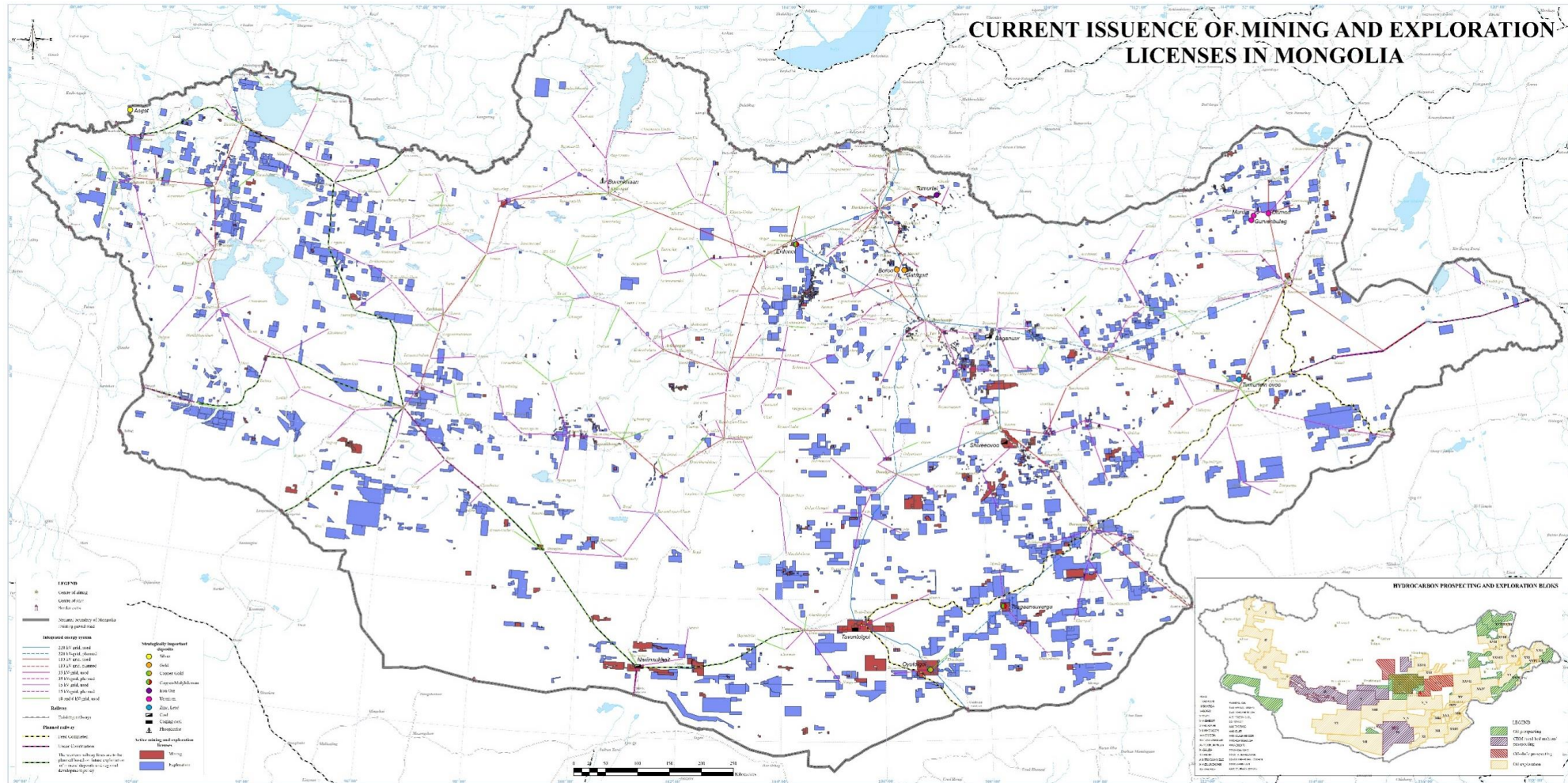


COPPER PRODUCTION





PRESENT SITUATION OF GEOLOGICAL SURVEY AND EXPLORATION



1849 Active exploration licenses

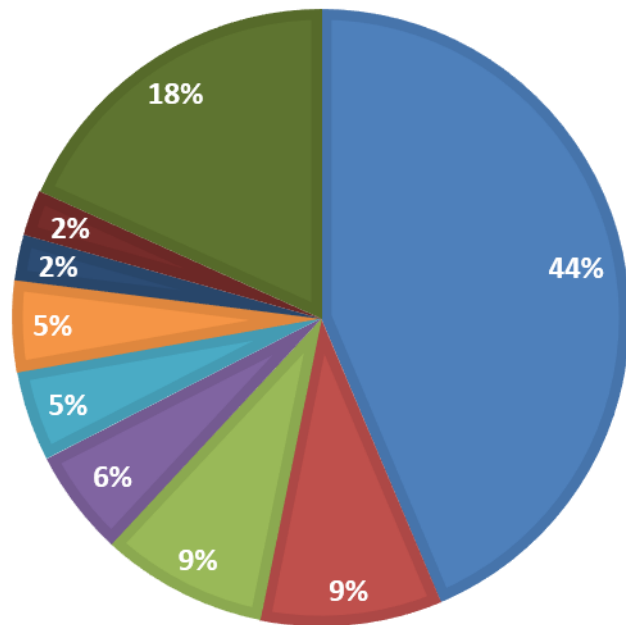
1598 Active mining licenses





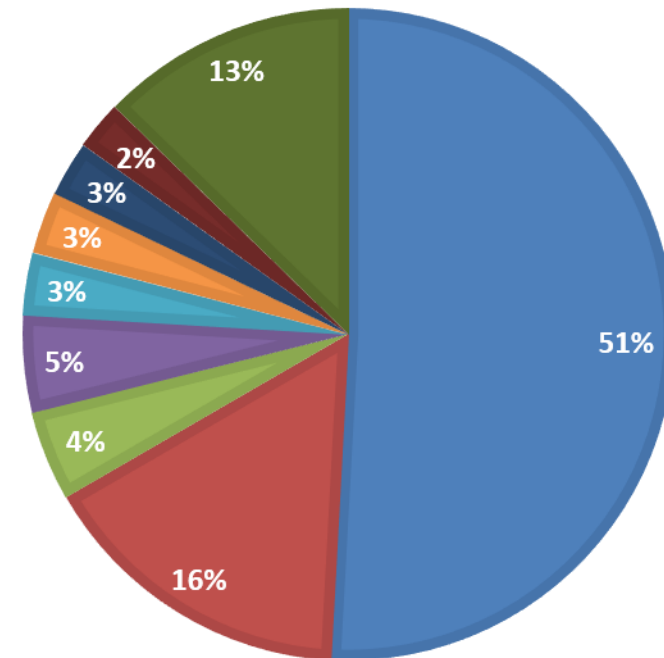
COMPOSITION OF THE JOINT VENTURE LICENSE HOLDERS BY COUNTRY, JULY, 2017

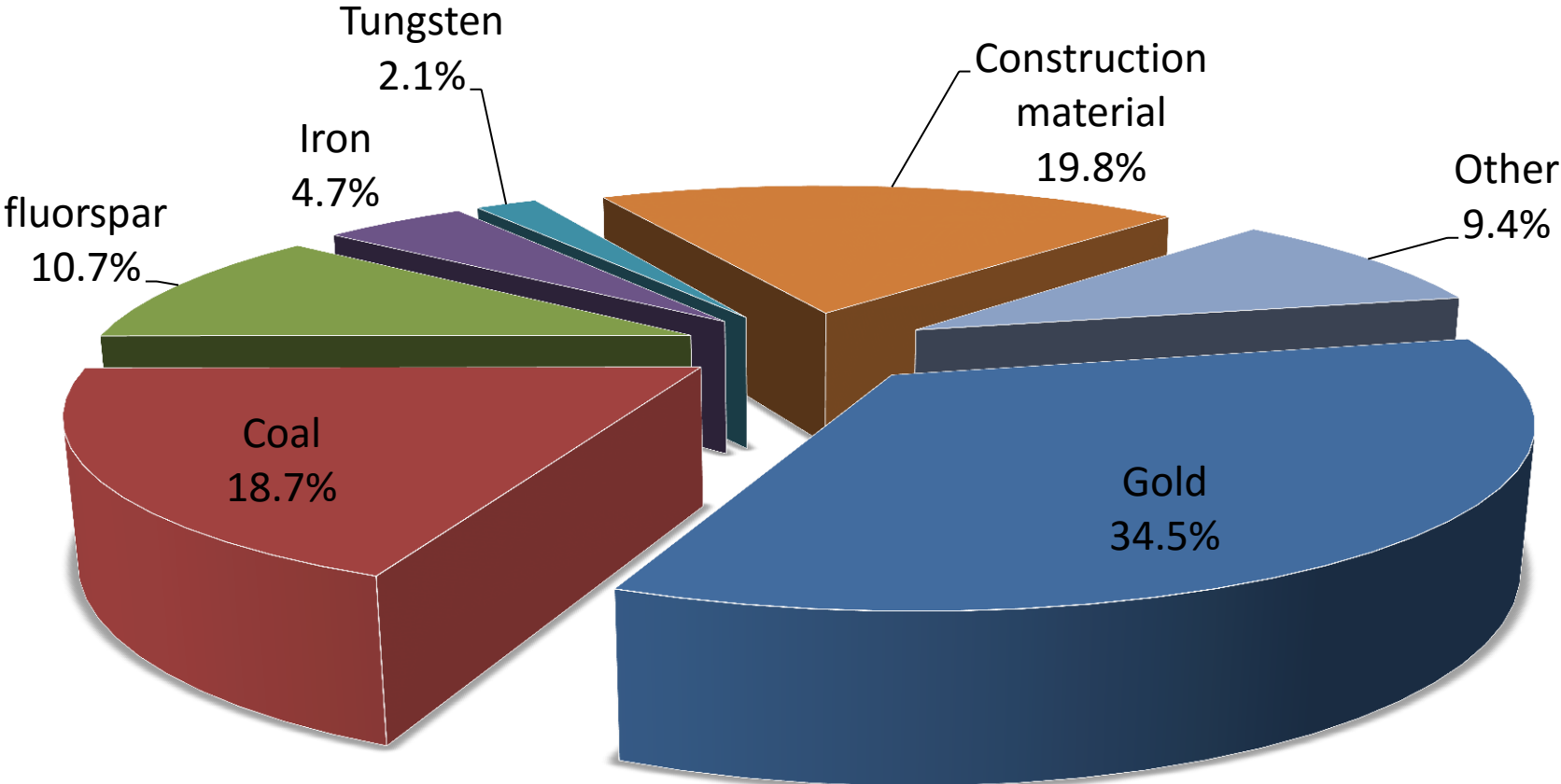
- Mongolia and China
- Mongolia and Republic of Korea
- Mongolia and Russia
- Mongolia and Virgin Islands
- Mongolia and Singapore
- Mongolia and Japan
- Mongolia and Germany
- Mongolia and Czech republic
- Others

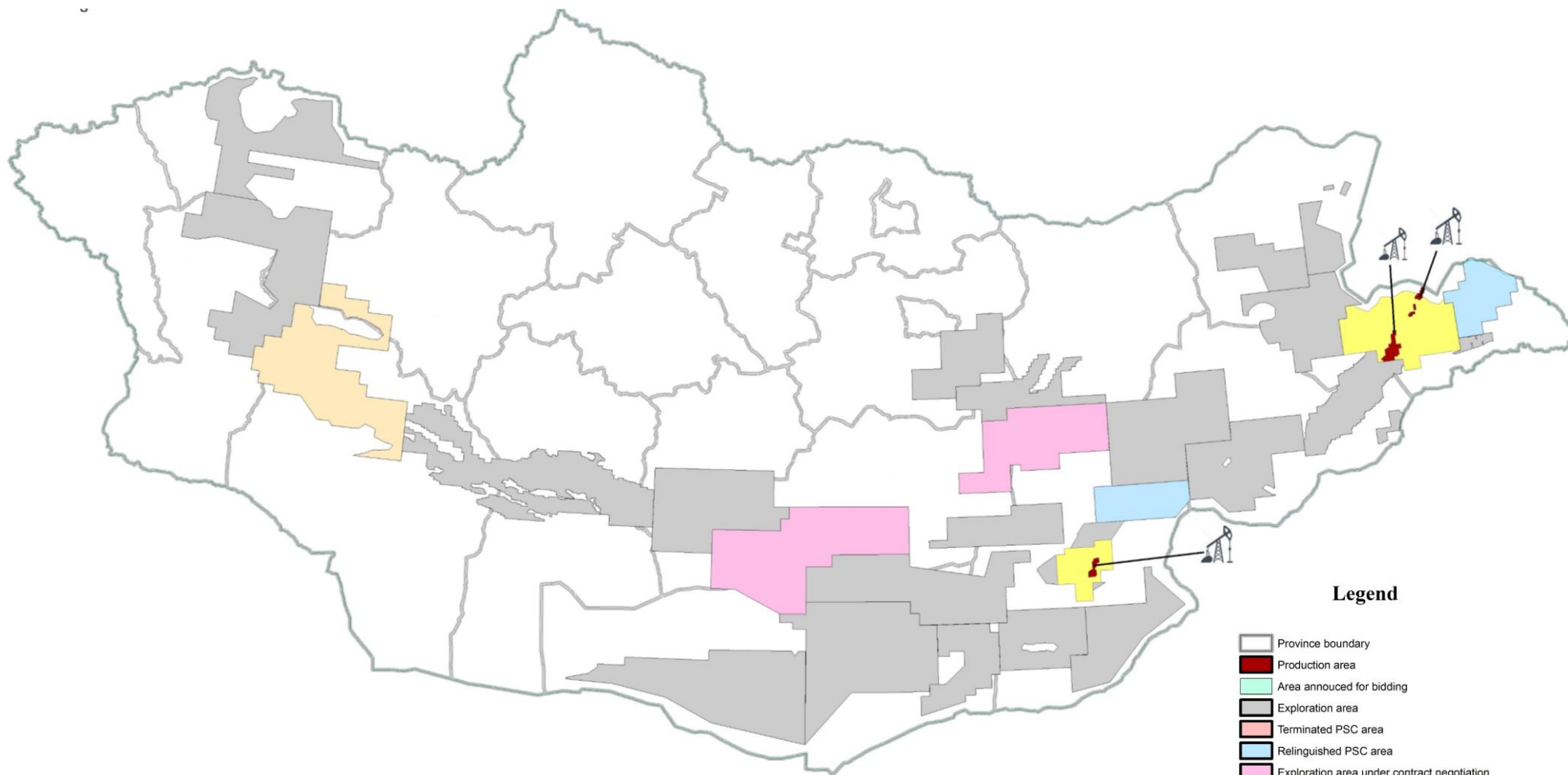


COMPOSITION OF FOREIGN INVESTED LICENSE HOLDERS BY COUNTRY, JULY, 2017

- China
- Virgin Islands
- Republic of Korea
- Singapore
- Hongkong
- Canada
- Russia
- Australia
- Others

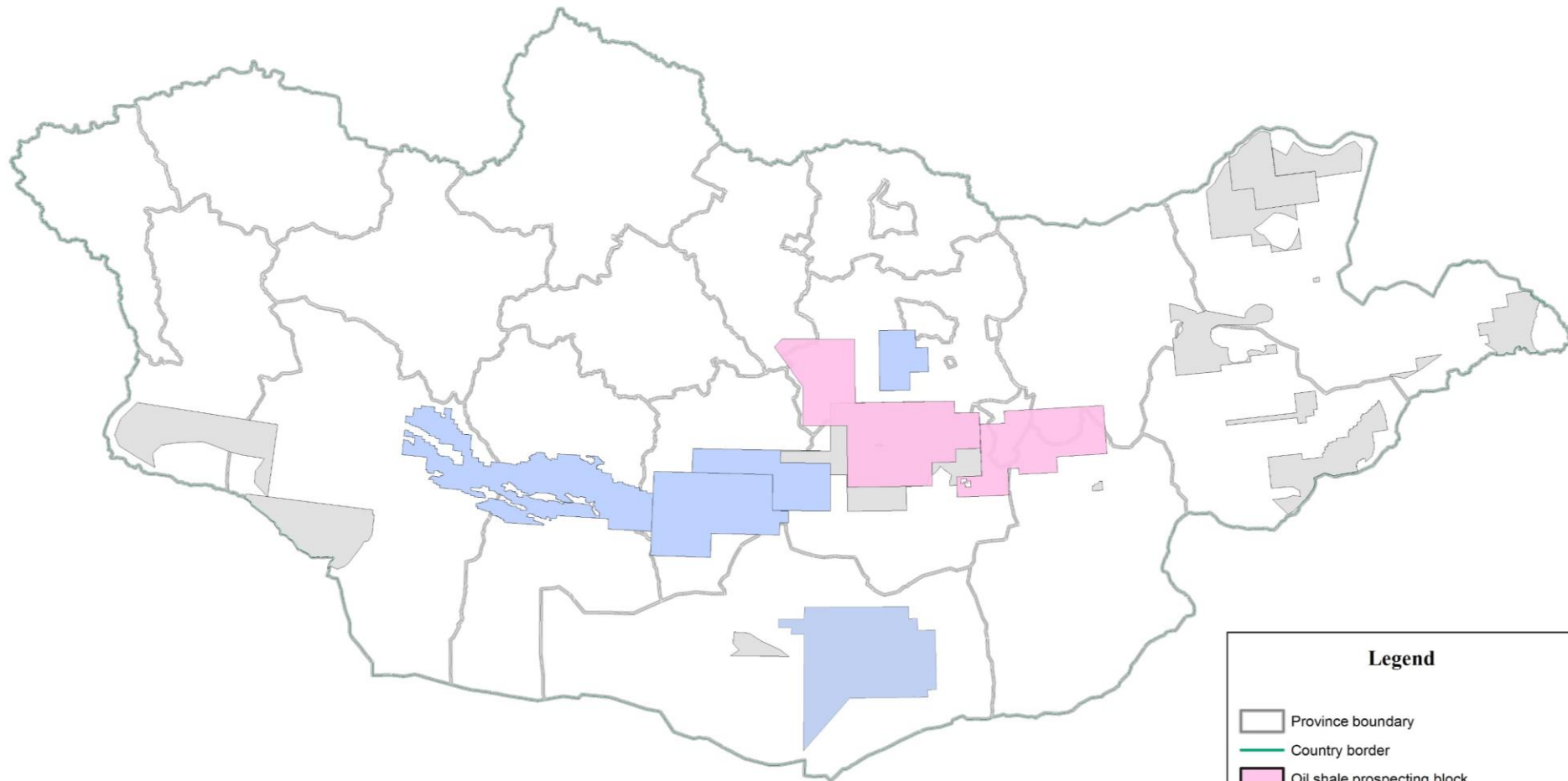






0 75 150 300 450 600 Km

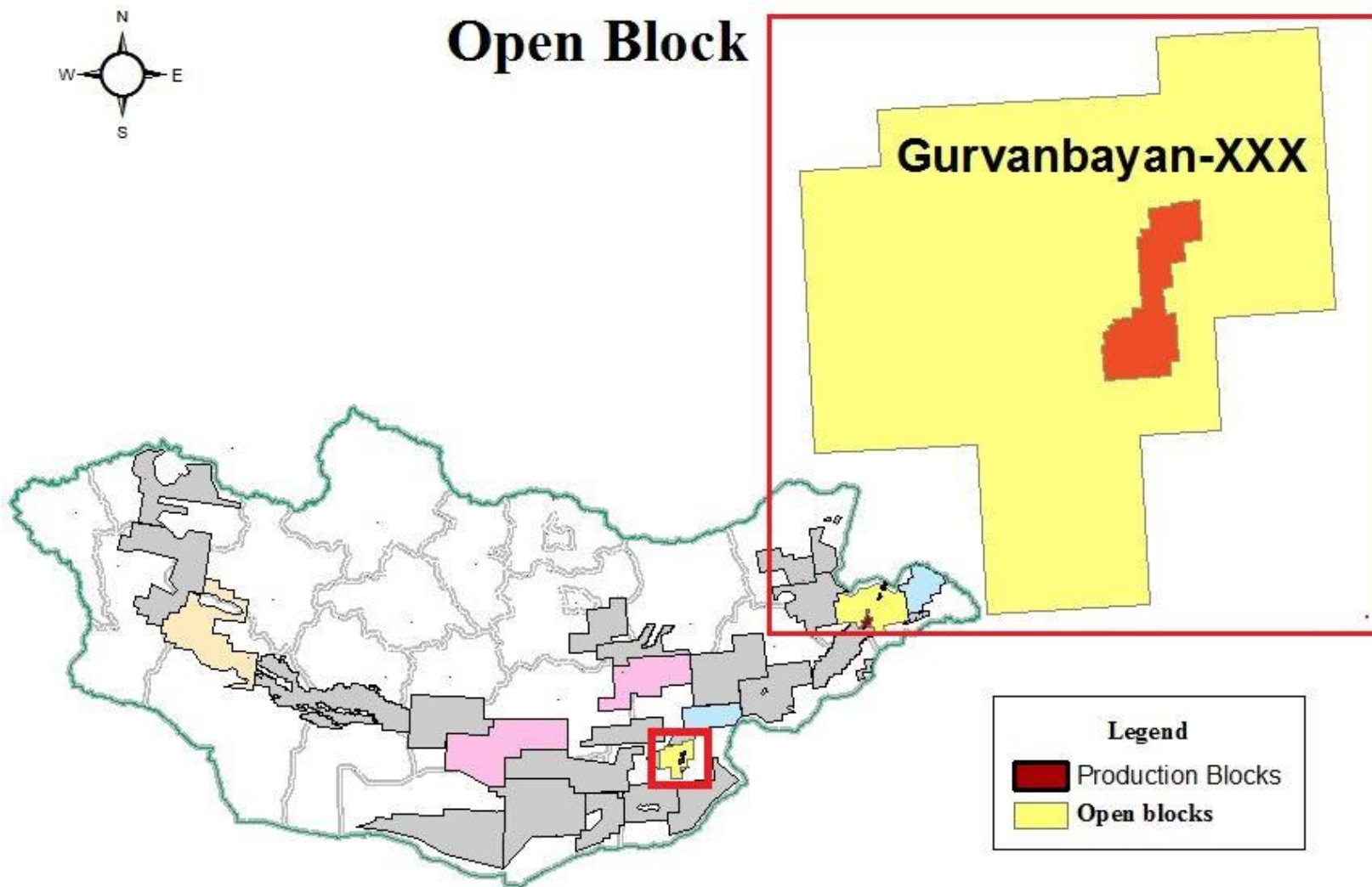


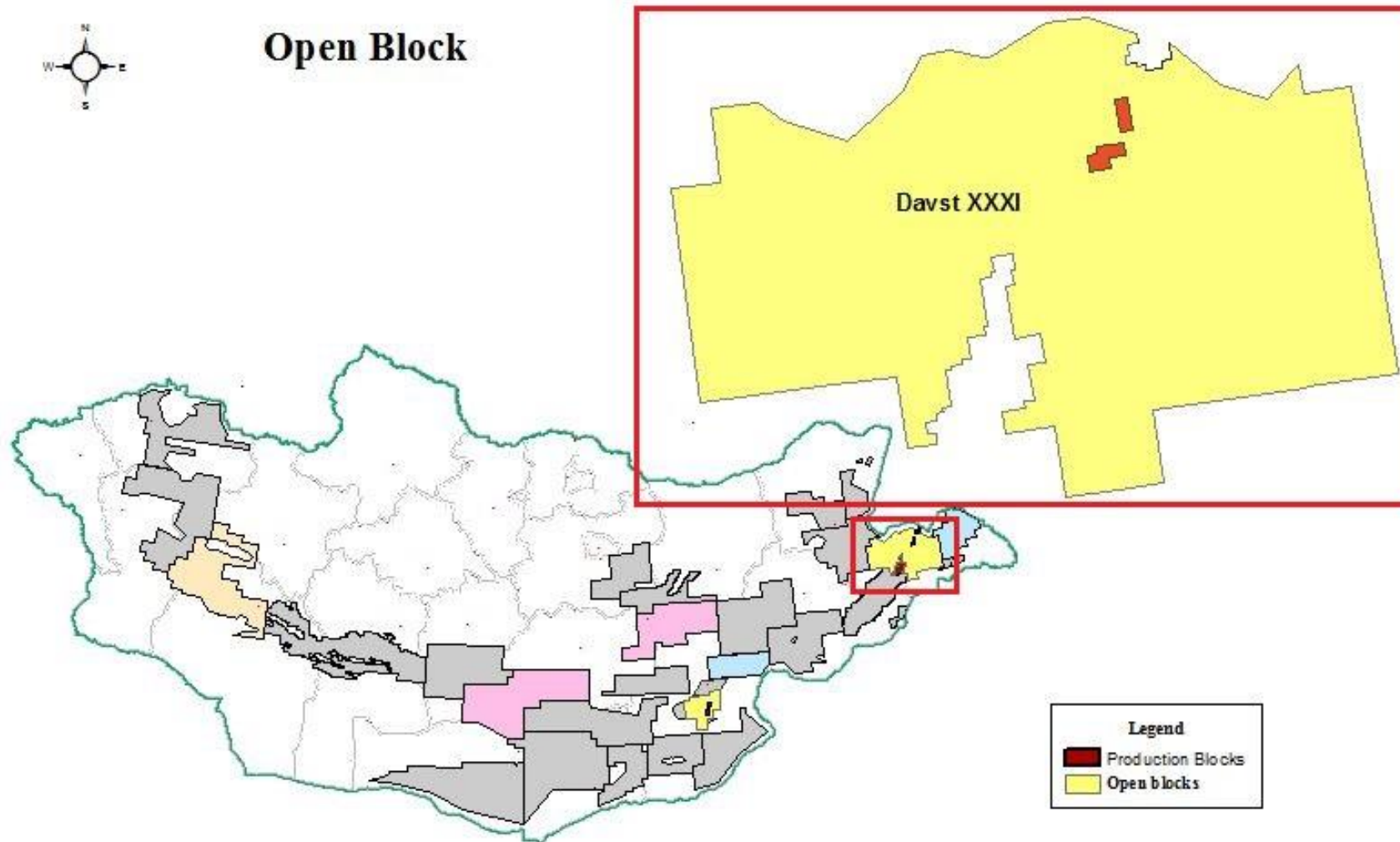


Legend

- Province boundary
- Country border
- Oil shale prospecting block
- Coal bed methane gas prospecting block
- Oil prospecting block

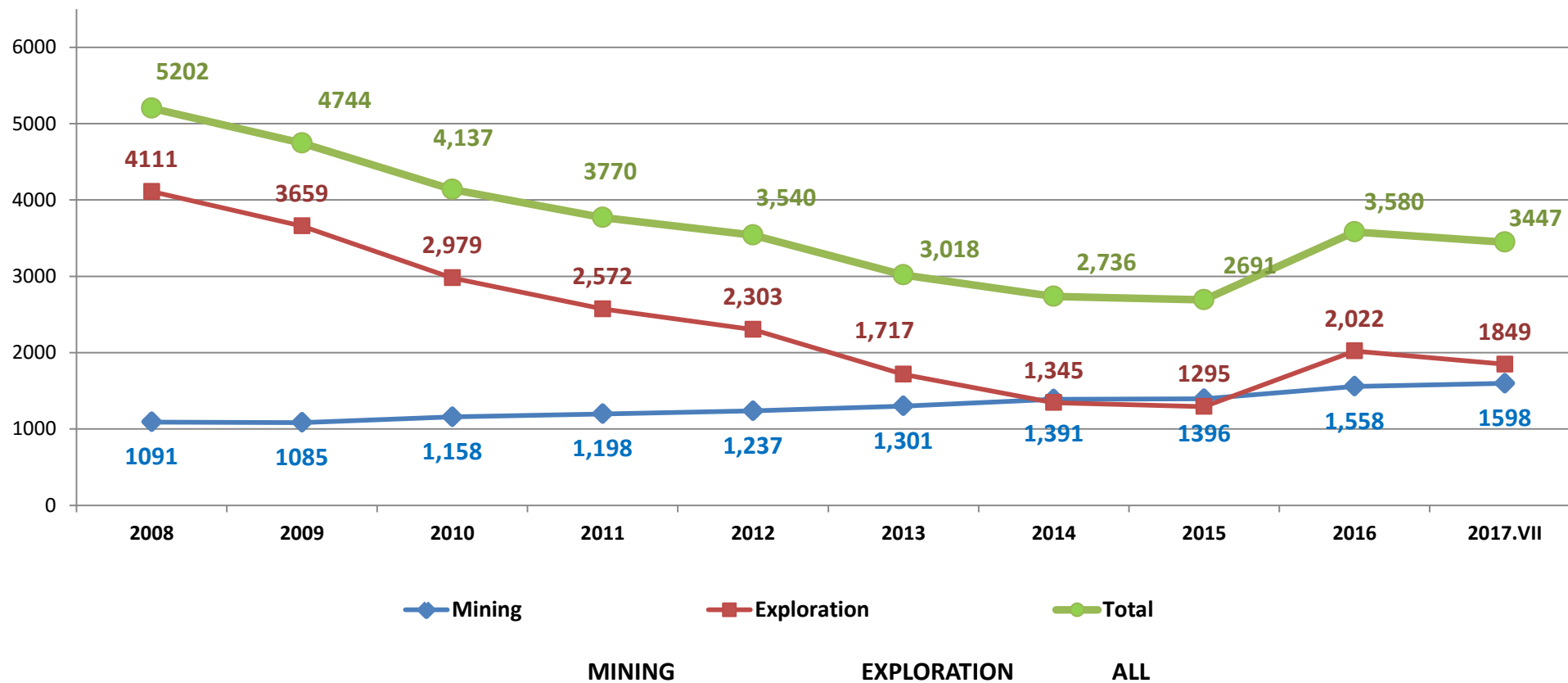








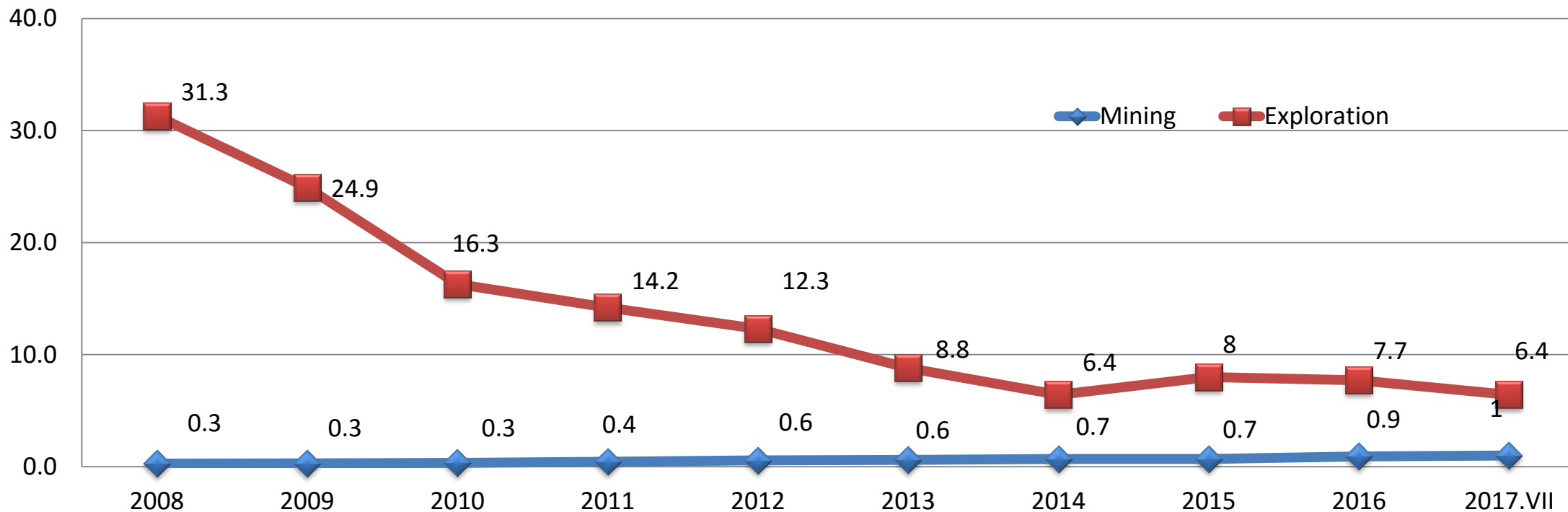
CURRENT ISSUANCE OF MINING AND EXPLORATION LICENSES





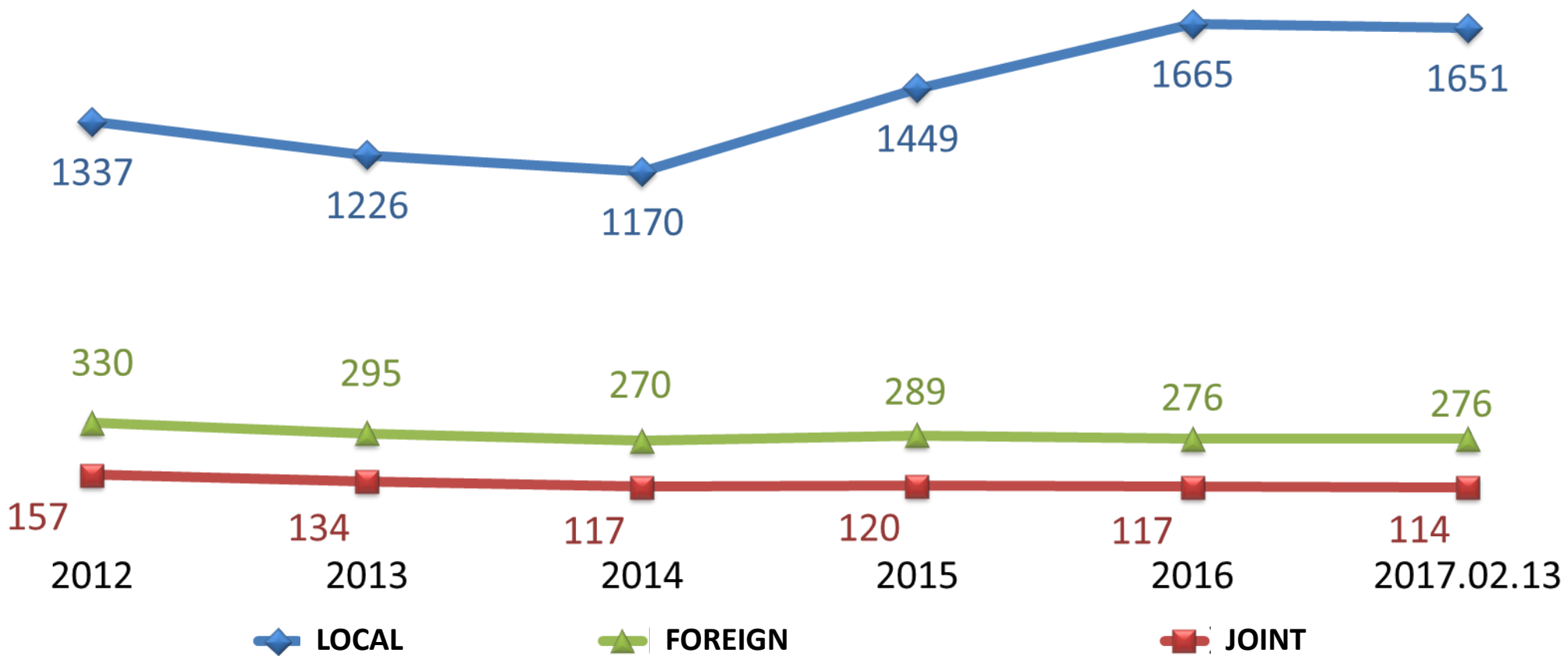
COVERAGE OF CURRENTLY ISSUED LICENSES

(by percent)



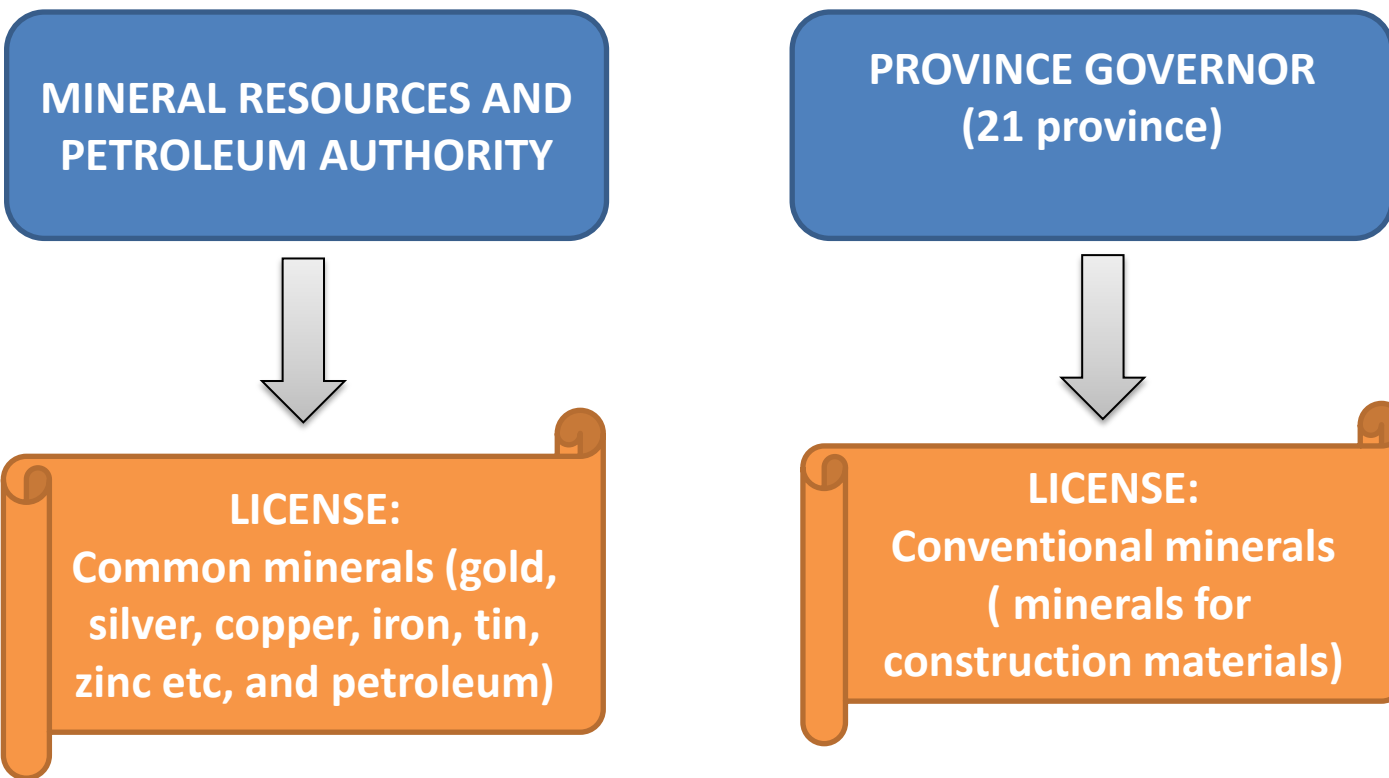


LICENSE HOLDERS



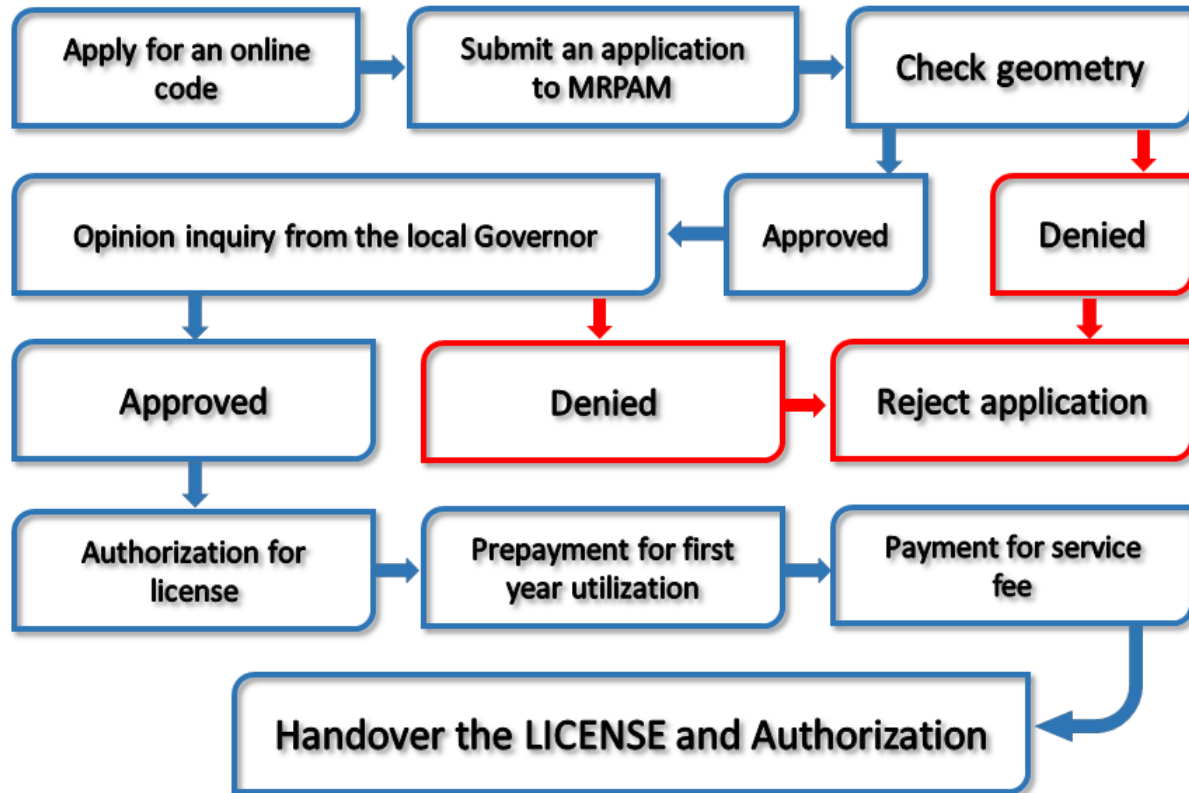


WHO IS RESPONSIBLE FOR EXPLORATION LICENSING

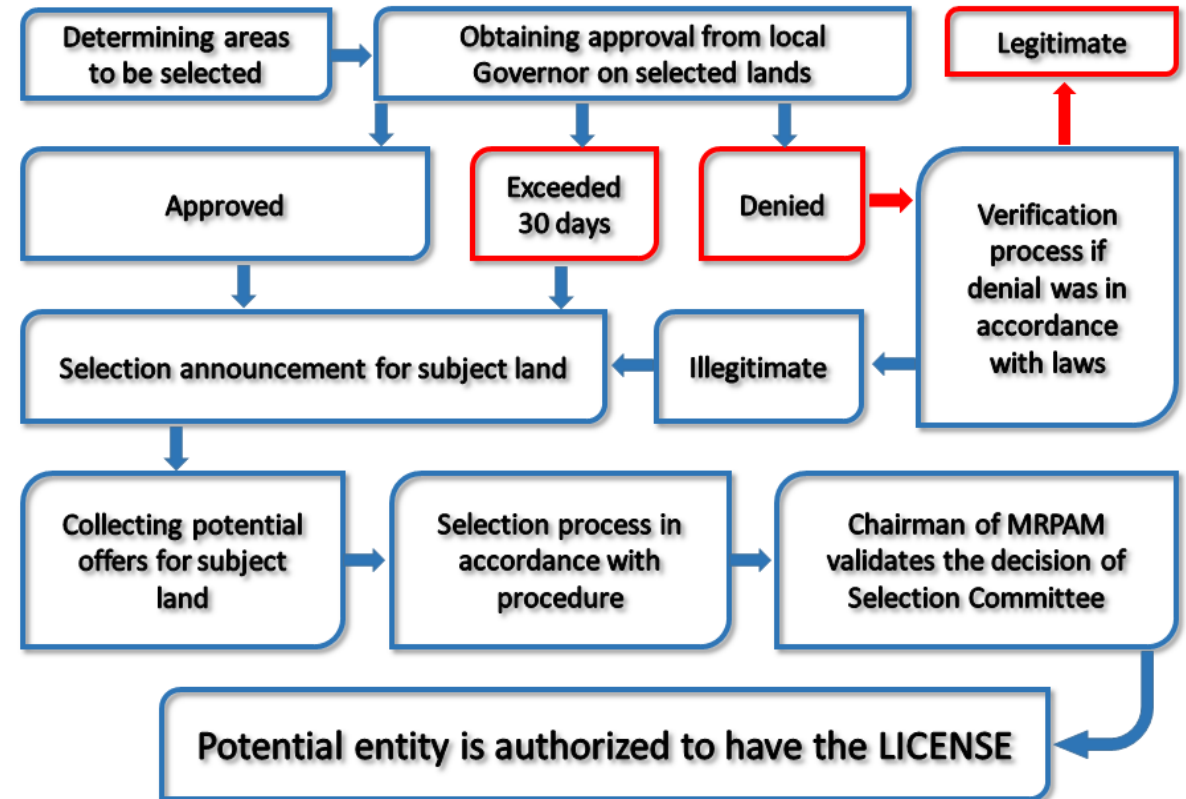




STEPS TO ISSUE NEW EXPLORATION LICENSE USING ONLINE APPLICATION



STEPS TO ISSUE NEW EXPLORATION LICENSE USING COMPETITIVE BID

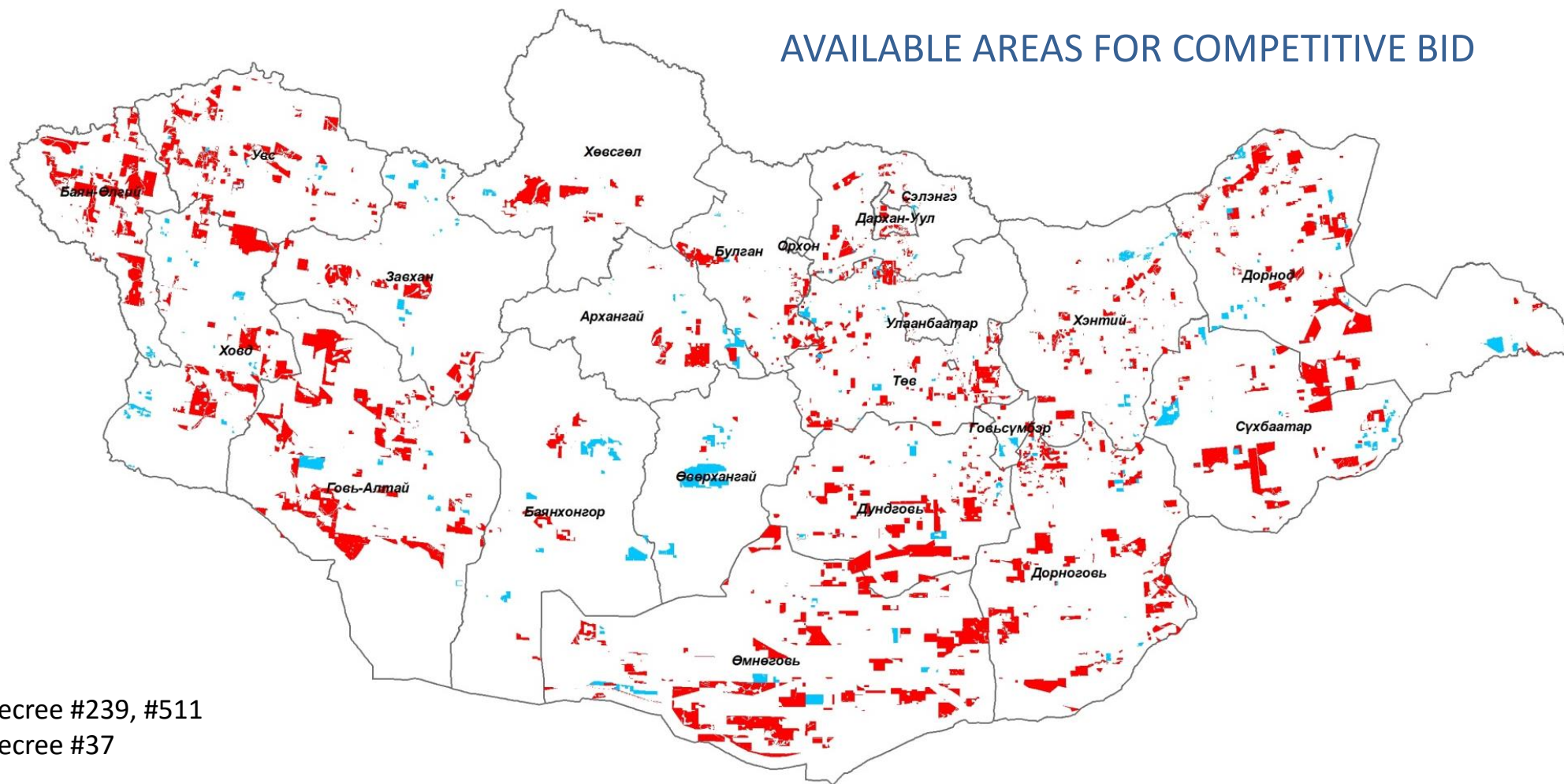




AVAILABLE AREAS FOR COMPETITIVE BID

Government Decree
2014.07.28. #239,
2015.12.21. #511,
2017.01.25. #37

Available area for
competitive bid:
10.2 million hectares
6.5% of country area



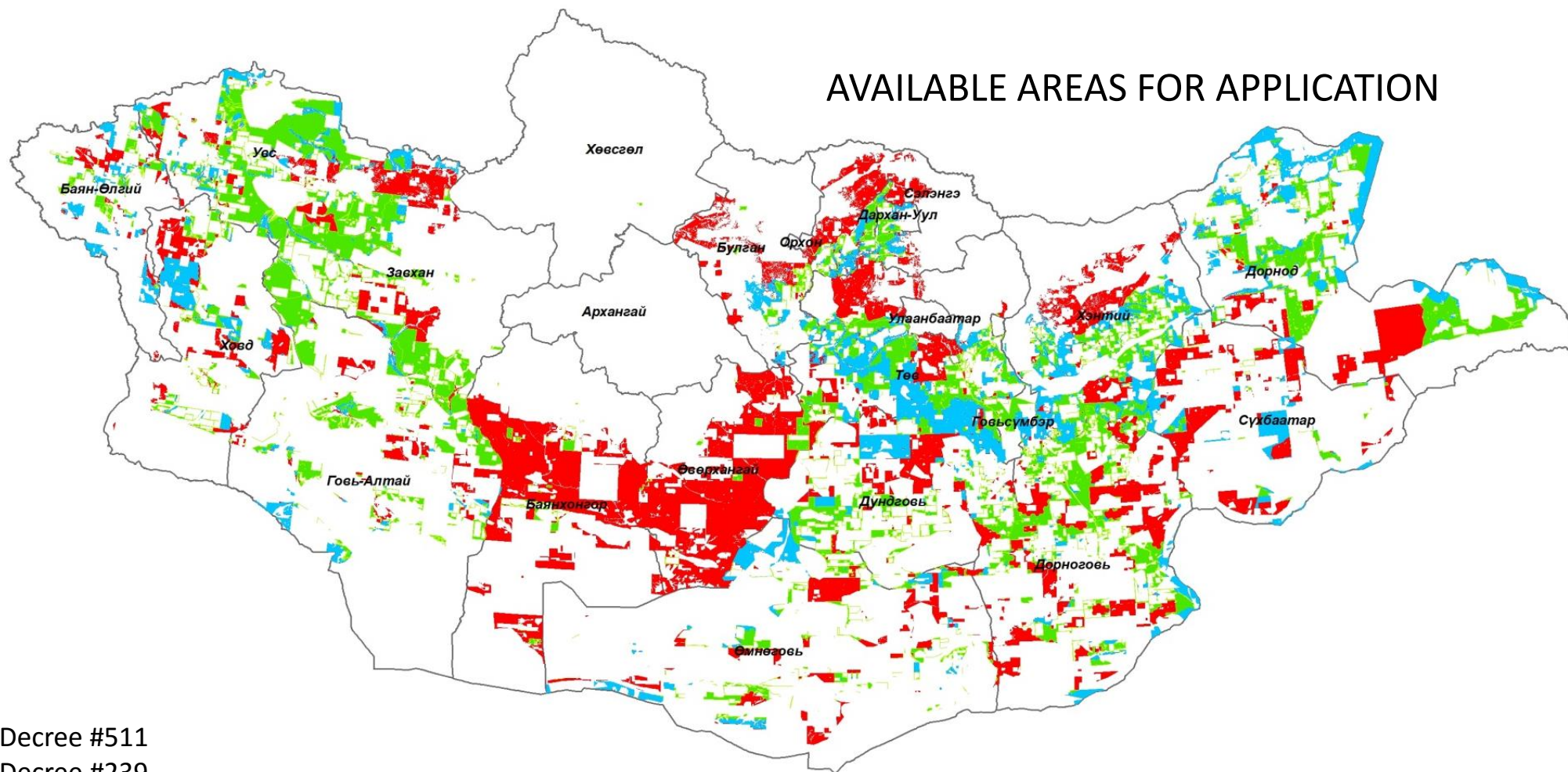


Government Decree
2014.07.28. #239,
2015.12.21. #511

Available area for
application:
36.2 million hectares
23.1% of country area

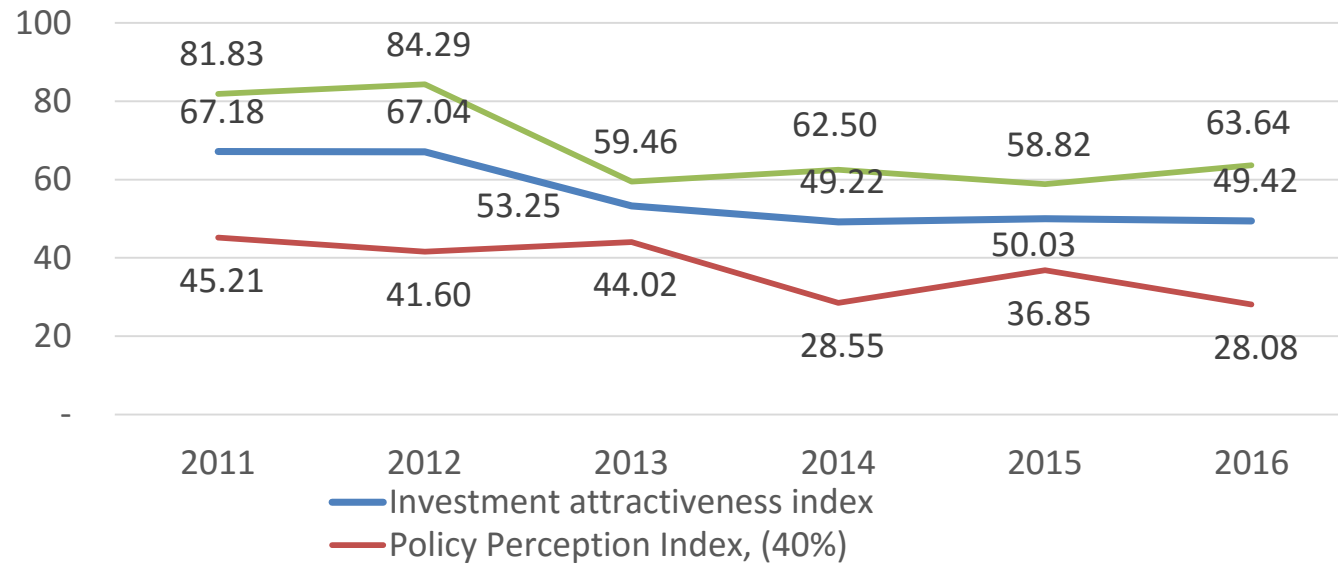
Total available area for
license:
29.7% of country area

AVAILABLE AREAS FOR APPLICATION



- Areas of Government Decree #511
- Areas of Government Decree #239
- New areas of application





Asian countries	Score					Rank				
	2016	2015	2014	2013	2012	2016	2015	2014	2013	2012
China	65.13	58.49	48.89	58.69	54.50	54/104	64/109	94/122	62/112	63/96
Kazakhstan	54.08	74.66	50.84	63.45	62.50	73/104	20/109	88/122	53/112	42/96
Mongolia	49.42	50.03	49.22	53.25	67.04	81/104	85/109	93/122	80/112	31/96
Myanmar	44.47	48.92	61.70	53.32	**	91/104	87/109	60/122	79/112	*
India	39.11	55.47	58.26	52.13	58.69	97/104	73/109	68/122	84/112	53/96
Afghanistan	33.11	**	**	**	**	100/104	**	**	**	**

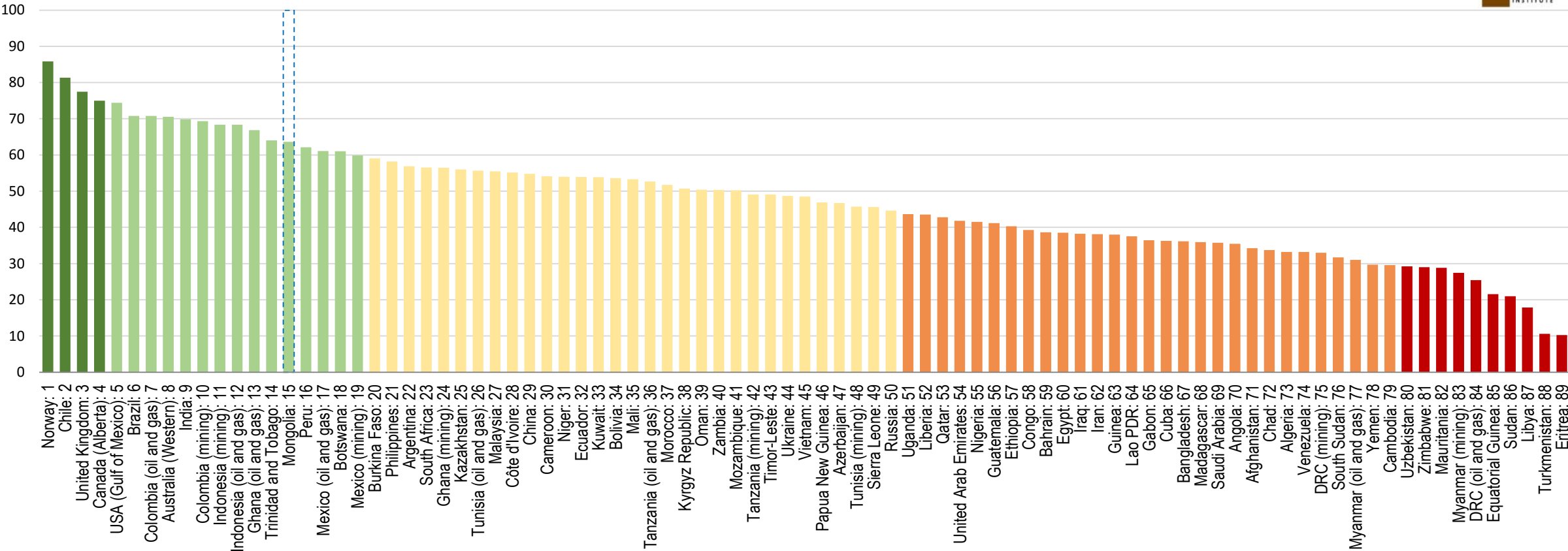




NATURAL RESOURCES GOVERNMENT INDEX

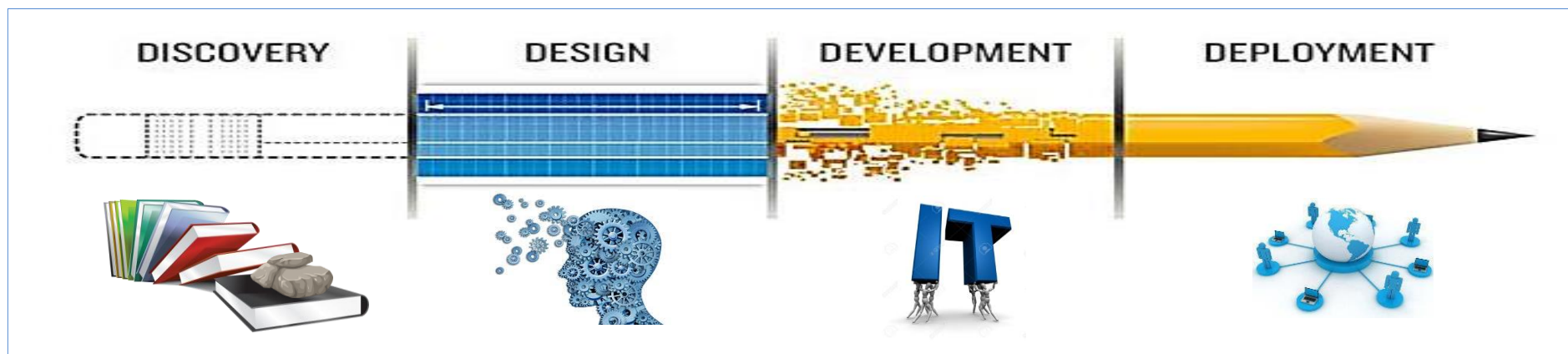


Good Satisfactory Weak Poor Failing



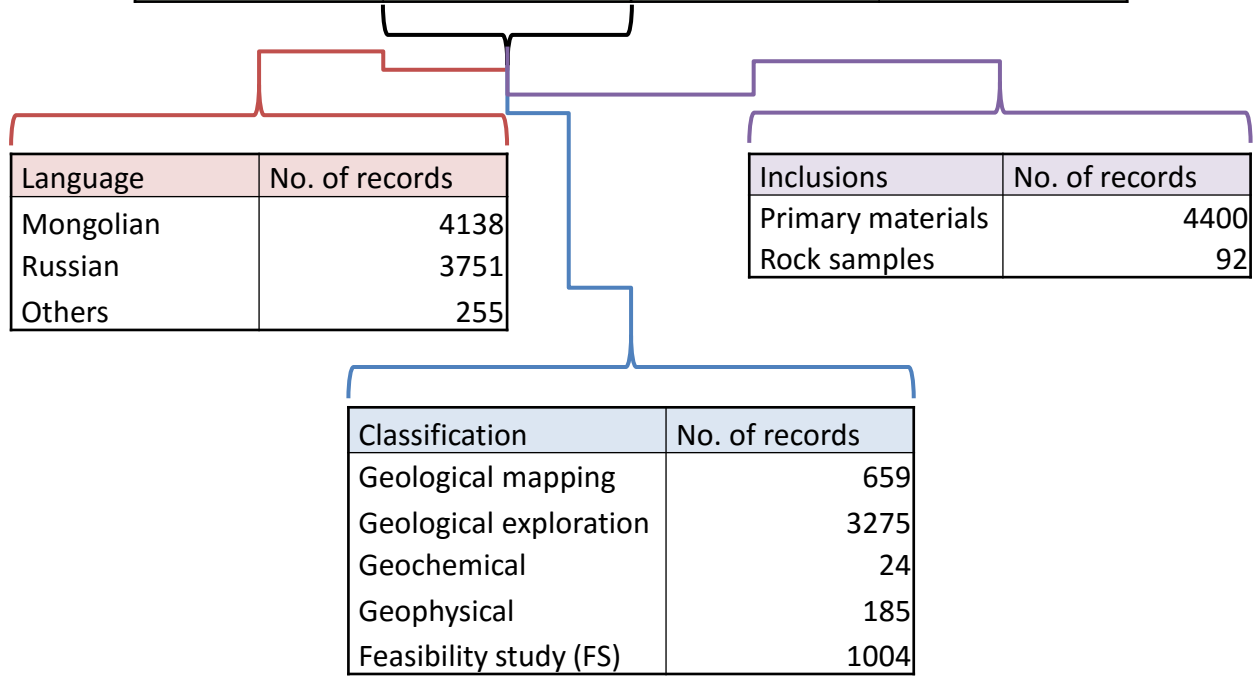


To establish Geo-information database in electronic and physical form, to regularly update and enhance this database, **process data with the IT system and software aligned with the latest international benchmark**, deliver **accurate and up-to-date data to customers in timely manner**, collaborate with national and international organizations in area Geo-information database





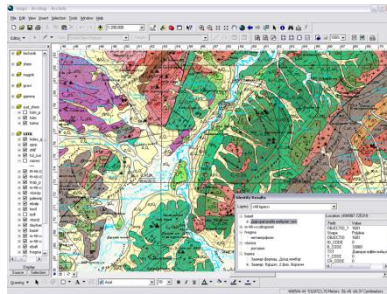
Reports held in MRITC			
Received and archived final reports		Annual reports and plans	
Registration type	No. of records	Registration type	No. of records
Privately funded	2341	Exploration	33286
Others (e.g. state funded, FS)	5803	Mining	3026
Total	8144	Total	36312



MRPAM's Geological Archive Inventory

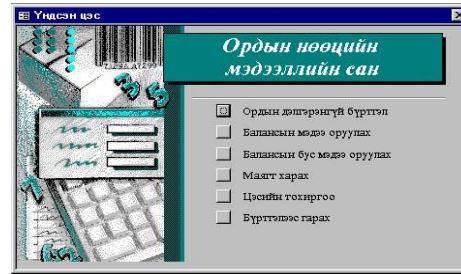


Geo-Information Database:



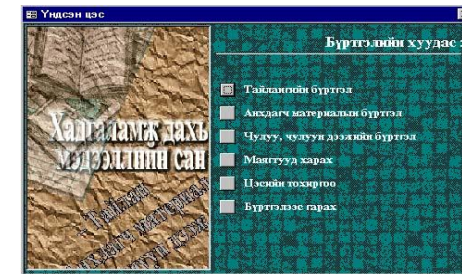
Map dataset

- Specialized ~8300
- Satellite ~8200
- Geophysics ~600



Data (records)

- Mineral deposit ~1200
- Mineral occurrence ~8400
- Geochemical ~310000
- Stratigraphy ~1100
- Intrusive ~3900
- Paleontology ~4100



Others

- Scanned reports, media files and publications ~11000





What is MonGeoCat?



Select by area

Drag and draw on map

Index polygons for reports

Geological report 1:50,000

Search

4429, 1986-1987	
4803, 1991-1993	Meta Data
5029, 1996	Meta Data
4548, 1991	Meta Data
УлТ-50,	
1822, 1968	
1629, 1961	
4794, 1994	Meta Data
4949, 1994	Meta Data
5157, 1998	Meta Data
4793, 1993	Meta Data
3493, 1976	Meta Data
4420, 1987-1988	
1566, 1961	Meta Data
4553, 1989	
3283, 1964-1966	
5065, 1995	Meta Data

Author Т.Сумъяа, Е.Мөнхбат
Company Зрдэс ХК
Report_ID 4794
Comp_Date 1994

[Meta Data](#)

geonet.mris.mn/geonetwork/srv/eng/catalog/search#/metadata/ad23262f-2b35-432f-9ade-3ad893ae849c

MINERAL RESOURCES AND PETROLEUM AUTHORITY OF MONGOLIA
MONGEOCAT: Metadata-catalogue system

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1:50,000 scale geochemical prospecting of the Bugant area

The geochemical prospecting work conducted between 1992-1993 within the Bugant area revealed multi-element 19 geochemical aureole and 16 group anom geochemical aureole form 5 types of geochemical association, and these were classified into 3 categories for prospectivity evaluation. The work results show p ferrous metal mineralization.

[WEB-GIS link](#)


About this resource





Mineral Resources and Petroleum Authority of Mongolia

INVESTMENT GUIDE



ABOUT MONGOLIA	MINERAL SECTOR	INVESTMENT ENVIRONMENT	GEOLOGICAL INFORMATION AND LICENSING	PUBLIC COMPANIES & INVESTMENT PROJECTS	INVESTORS' FORUMS
HISTORY OF MONGOLIA	LICENSE	REASONS TO INVEST IN MINERAL INDUSTRY OF MONGOLIA	MINERAL RESOURCES INFORMATION AND TECHNOLOGY CENTER	PRICE NEWS OF SHARE OF MINERAL COMPANIES	
GEOGRAPHY	GEOLOGY	INVESTMENT SITUATION	RESERVED AREA FOR NEW EXPLORATION LICENSE	INVESTMENT PROJECTS	
POPULATION	MINING	INTERNATIONAL RESEARCH AGENCIES' REPORTS	RESERVED AREA FOR TENDER		
THE GOVERNANCE	PETROLEUM	LEGAL ENVIRONMENT	OPEN BLOCKS FOR PETROLEUM EXPLORATION		
CURRENCY	HEAVY INDUSTRY	TAX ENVIRONMENT			
ECONOMY		SUCCESSFUL STORIES			
INFRASTRUCTURE					





THANK YOU

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