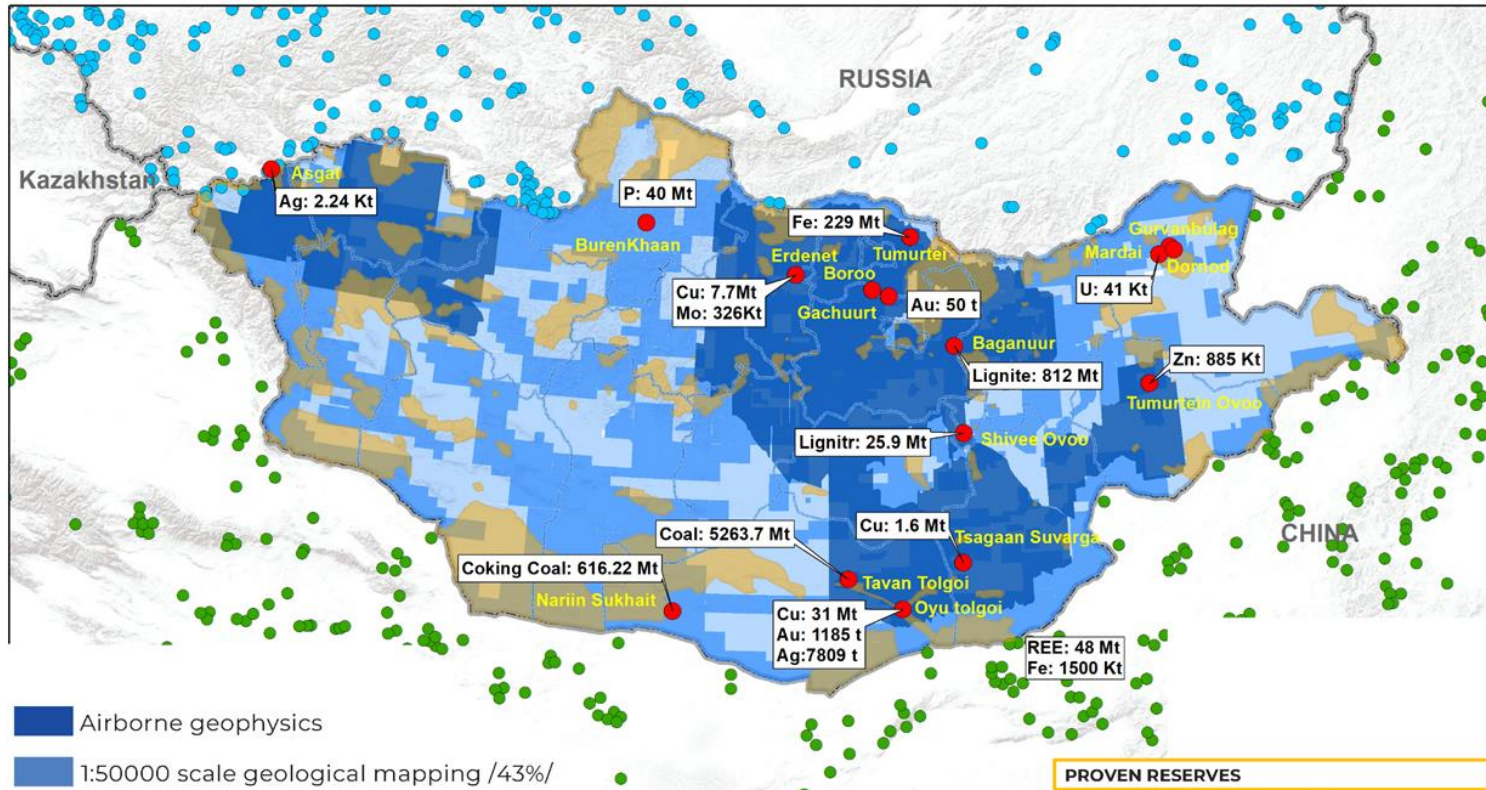




Rare earth elements (REE) potential of Mongolia

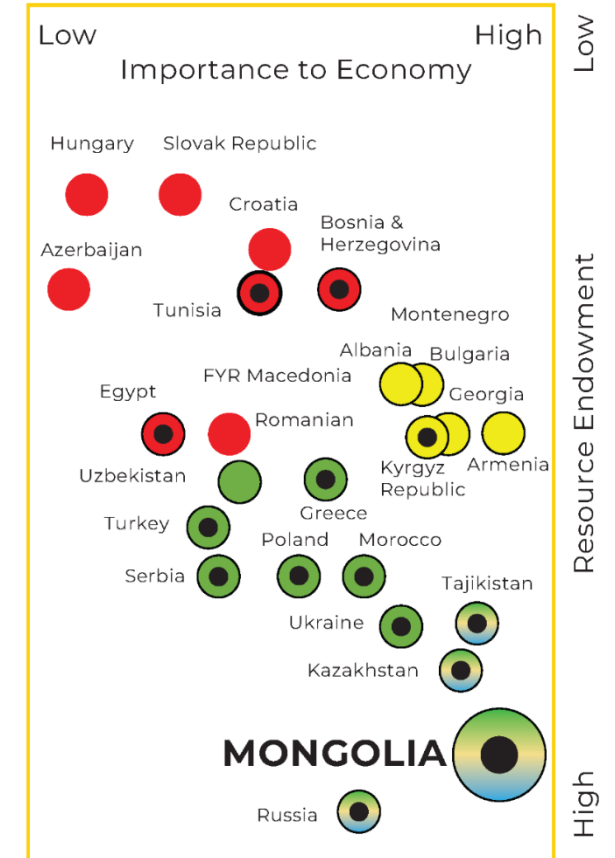
MINERALS POTENTIAL OF MONGOLIA



- Airborne geophysics
- 1:50000 scale geological mapping /43%/
- 1:200 000 scale geological mapping
- State protected area
- Strategic deposits
- Deposits of Russia
Atlas of geological maps of central asia and adjacent areas (2007)
- Gold and copper deposits of China
Atlas of Mineral Deposits Distribution in China (2020)

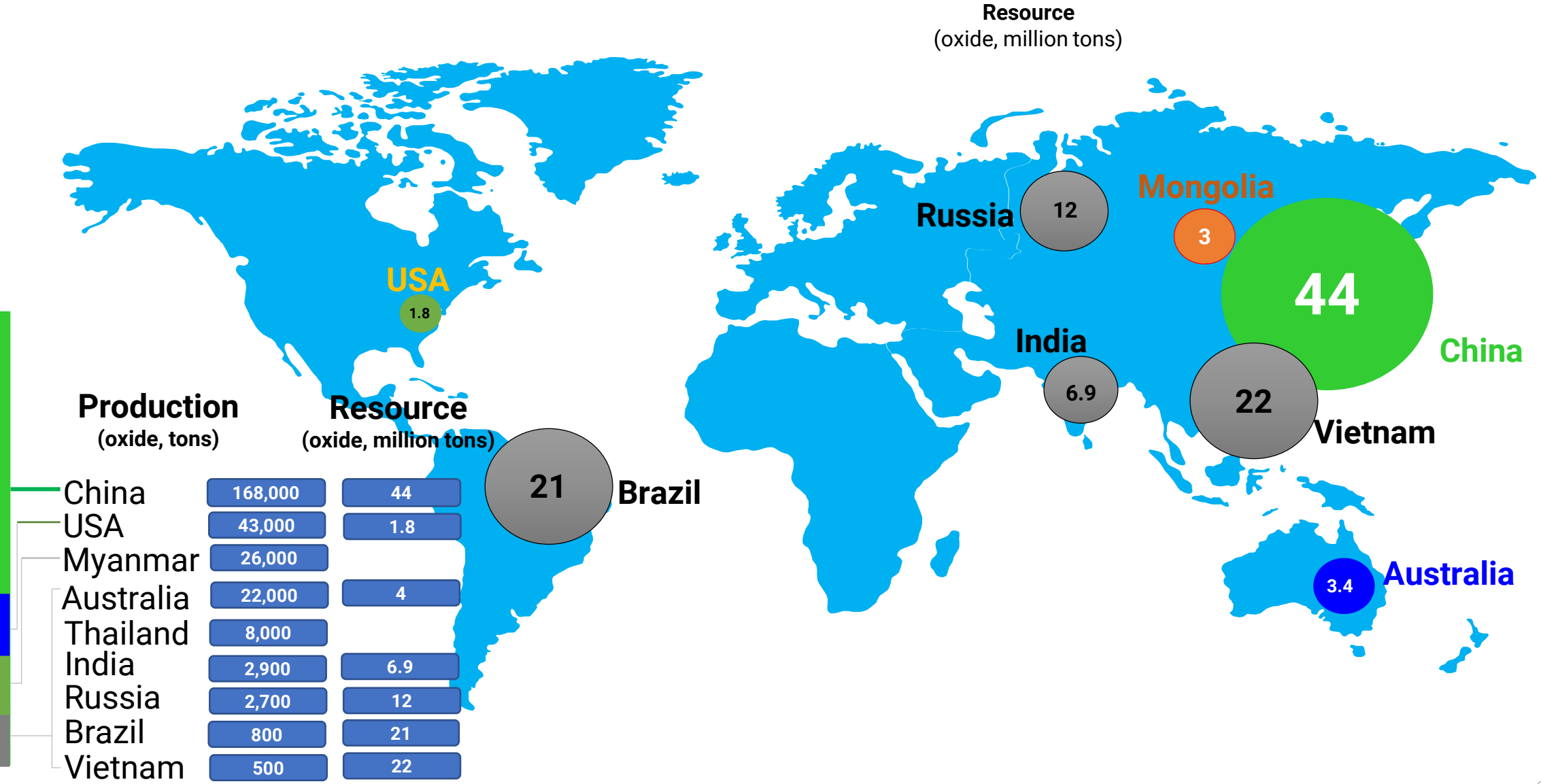
PROVEN RESERVES		
Minerals	Unit	Proven reserves
Copper	million tn	61.4
Coal	billion tn	33.2
Iron ore	billion tn	1.84
Gold	tn	499.5
Zinc	million tn	4.4
Fluorspar	million tn	34.2
Uranium	thousand tn	192.2
Crude oil	million tn	332.6

REE million tn **3.1**



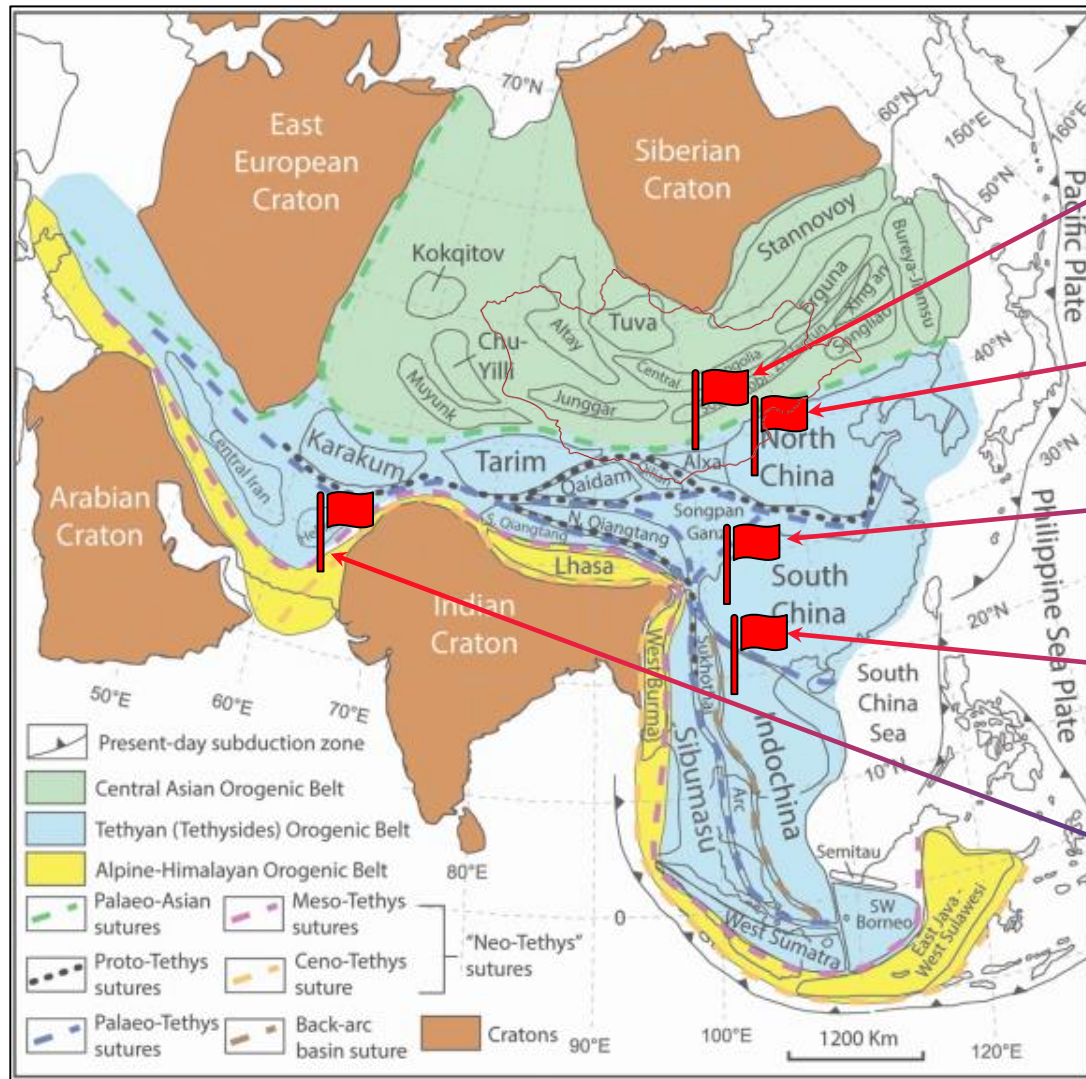
- High risk reliance on mining
- Long-term mining business potential
- Low to medium mining business potential
- Presence of leading international mining companies

REE resource and production worldwide



Source: USGS, 2022

REE ELEMENTS POTENTIAL IN ASIA



South Gobi REE deposits, Mongolia



Bayan Obo REE deposit, China
REOs 36 Mt, Fe 1500 Kt



Mianning-Dechang Belt, China
> REOs 3.7 Mt



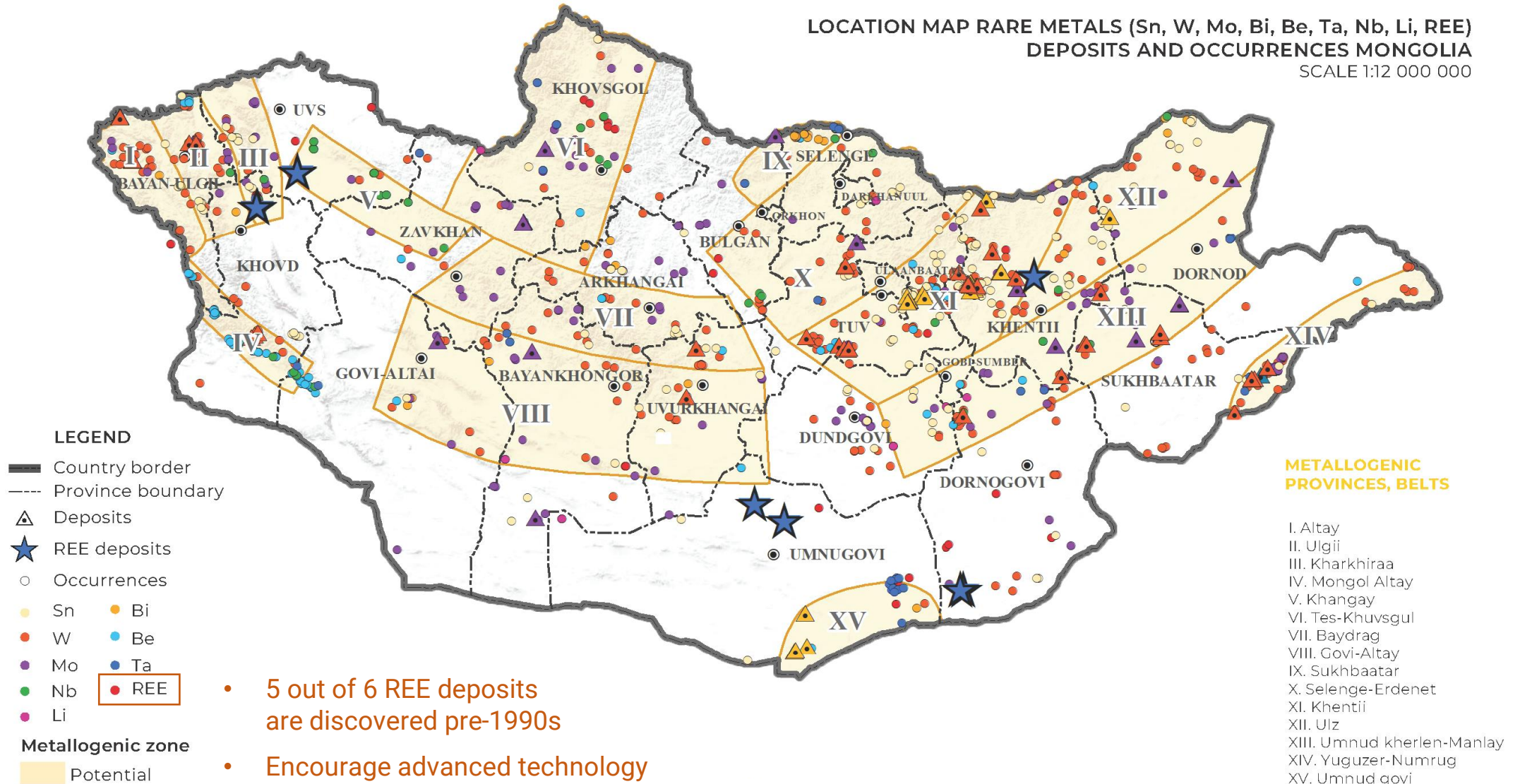
Nam Xe REE deposit, Vietnam
REOs 7.8 Mt



Khanneshin REE deposit, Afghanistan
REOs 1.29 Mt

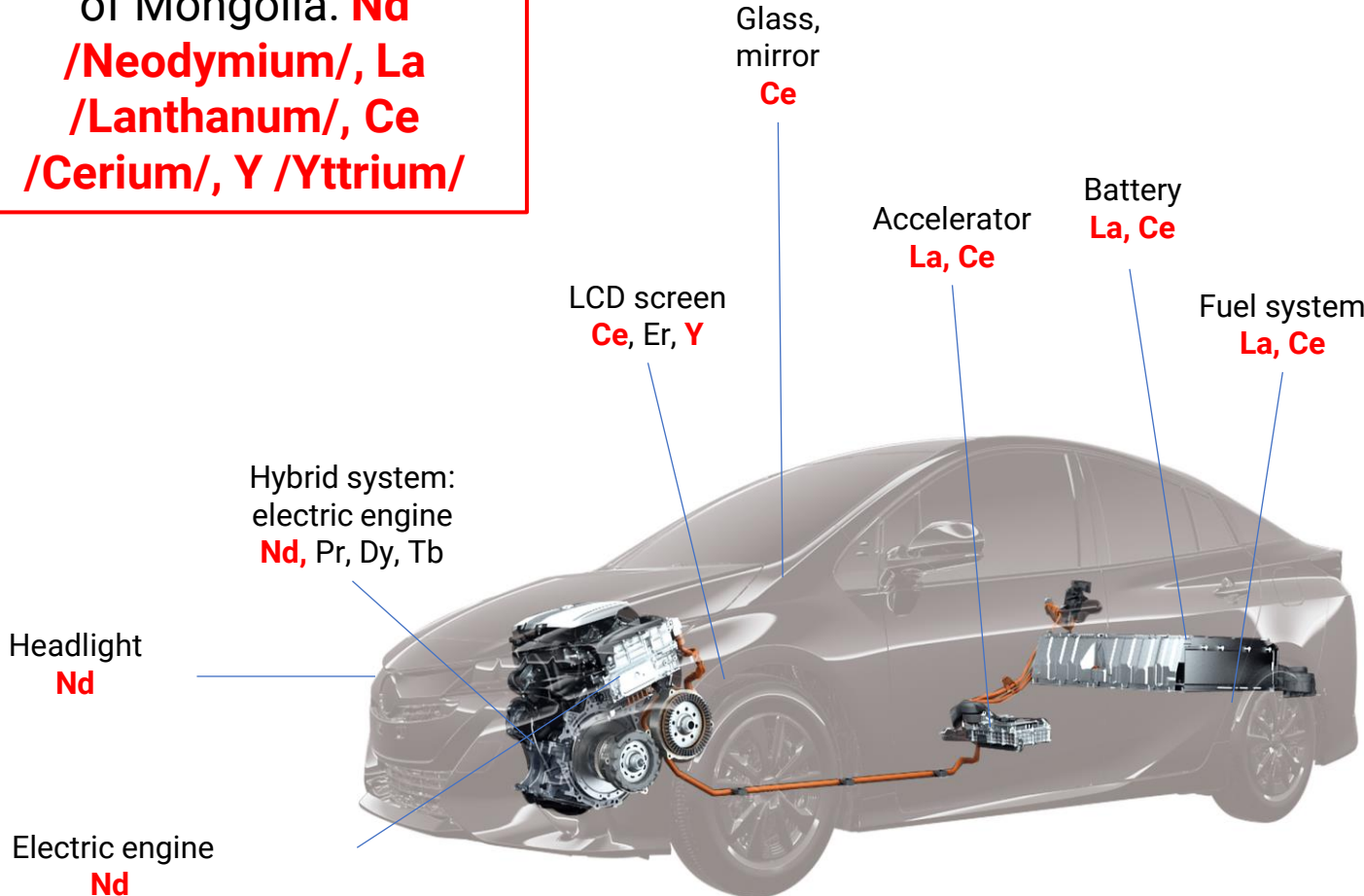
HIGH TECH MINERALS POTENTIAL OF MONGOLIA

LOCATION MAP RARE METALS (Sn, W, Mo, Bi, Be, Ta, Nb, Li, REE)
DEPOSITS AND OCCURRENCES MONGOLIA
SCALE 1:12 000 000



REE ELEMENTS POTENTIAL USE - Future

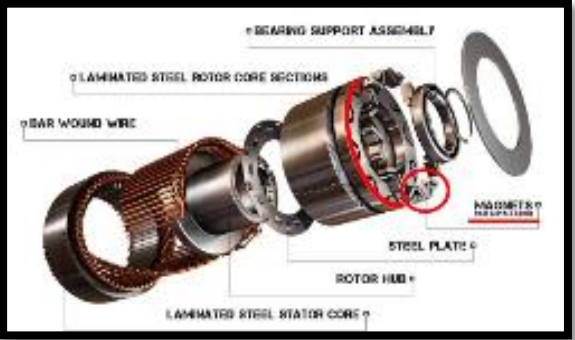
REE element resources of Mongolia: **Nd** /Neodymium/, **La** /Lanthanum/, **Ce** /Cerium/, **Y** /Yttrium/



Electric vehicle
2kg Nd, Pr



Warcraft
417kg **Nd, Pr, Tb, Y, Sc**



Generator
1kg **Nd, Pr**



Wind turbine
150 kg **Nd, Pr**

WAY FORWARD

- I. Mongolian Resource endowment is currently placed before Kazakhstan and after Russia.
- II. The major REE operating mines are located outside the country border; mineralization should continue through our territory.
- III. We host good exposure, rich potential, many known minerals occurrences, identified resources, and calculated reserves.
- IV. We seek human, technological, and financial capital investment and active collaboration in the REE sector of Mongolia.