

- ▶ RARE EARTHS
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Metal Events Ltd was presented with the Queen's Award for Enterprise for Outstanding Achievement in International Trade in 2013

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# METAL EVENTS LTD'S RARE EARTHS WALL CHART

## China's Big Six Rare Earths Giants

China's rare earths industry has gone through a major period of consolidation over the past few years to create what are known as the government-owned "Big Six" rare earths groups, largely split between the north and south of the country, and focusing on mining and separation of rare earths. In this wall chart we have attempted to illustrate which companies are now included in each of the six groups. Each group is focused on a particular strength. For instance, the China Northern Rare Earth Group, based in Gansu, Inner Mongolia and Shandong provinces, focuses mainly on mining, processing and separation of light rare earths, whereas the China Southern Rare Earth Group, with operations in Sichuan and Jiangxi provinces, focuses on medium and heavy rare earths. We have made our best efforts to ensure that the members of each group are correct, but the consolidation process has been quite fluid and there may be some companies that have been omitted. If you find any discrepancies please let us know as we will update this information in the future.

### Alkane Resources Ltd

Alkane Resources Ltd is an ASX and OTCQX (US) listed multi-commodity mining and exploration company with a focus on gold, copper, zirconium, hafnium, niobium and rare earth elements. Our projects and operations are located in the Central West of New South Wales, in eastern Australia.



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#### A: China Northern Rare Earth Group

- Jiangxi Xinfeng Baogangxinli rare earth Co. Ltd
- Quannan Baogang Jinghuan Rare Earth Company
- Zibo BaoSteel Lingzhi Rare Earth Hi-tech Co., Ltd
- Inner Mongolia Baotou Steel Rare-Earth(Group) Hi-Tech Co., Ltd
- Baotou Huamei Rare Earth Hi-Tech Company
- Baogang Rare Earth Metallurgical Factory (包钢稀土冶炼厂)
- Baogang Rare Earth Separation Factory (包钢稀土稀选厂)
- Baotou JinMeng Rare Earth Co. Ltd
- Baotou Damao Rare Earth Co. Ltd
- Baotou Feida Rare Earth Co. Ltd
- Baotou Xinyuan Rare Earth Hi-tech Newly-material Co., Ltd
- Inner Mongolia Shengyilun Rare Earth Material Co. Ltd
- Inner Mongolia Aerospace Jinxia Chemical Industry Co.,Ltd
- Wuyuan Runze Rare Earth Co., Ltd
- Baotou Hongtianyuan Rare Earth Magnet Company
- Gansu Rare Earth New Material Co. Ltd

#### B: China Southern Rare Earth Group

- Ganzhou RE Mineral Industry Co., Ltd
- Wan'an Jiangwu RE mineral Co., Ltd (万安江坞稀土矿业有限公司)
- Sichuan Jiangxi Copper Rare Earth Co., Ltd
- Ganzhou RE Longnan Smelting Separation Company (赣州稀土龙南冶炼分离有限公司)
- Ganzhou RE (Longnan) Non Ferrous co Ltd (赣州稀土(龙南)有色金属有限公司)
- Jiangxi Golden Century Advanced Materials Co.,Ltd
- Jiangxi Mingda Function Material Co., Ltd
- Quannan New Resource Rare Earth Co Ltd
- Longnan Longyi Heavy Rare-Earth Technology Co., Ltd.
- Sichuan Mianning County Fangxing Rare Earth Co., Ltd

#### C: Aluminum Corp of China

- Chinalco Guangxi Nonferrous Rare-Earth Development Co.Ltd.
- China Guangxi Nonferrous Metals Chongzuo Rare Earth Development Co., Ltd
- China Guangxi Hezhou Rare Earth Development Co., Ltd
- China Guangxi Wuzhou Rare Earth Development Co., Ltd
- Guangxi Nonferrous JinYuan Rare-Earth Co., Ltd
- Jiangsu Guosheng Rare Earth Co. Ltd
- Guangxi Guosheng Rare Earth Development Co., Ltd
- Chinalco Sichuan Rare Earth Co., Ltd
- Sichuan Hanxin Mineral Development Co., Ltd (四川汉鑫矿业发展有限公司)
- MianNing MianLi Rare Earth Mineral Co., Ltd
- Dechang Houdi Rare Earth Mining Co., Ltd
- Leshan Shenghe Rare Earth Co., Ltd
- Xian Xijun New Material Co., Ltd
- Central Iron& Steel Research Institute
- Chinalco Rare Earth (Jiangsu) Co., Ltd
- Chinalco Rare Earth (Changzhou) Co., Ltd
- Chinalco Rare Earth (Yixing) Co., Ltd
- Chinalco Rare Earth (Changshu) Co., Ltd
- Jiangyin Jiahua Advanced Material Resources Co., Ltd
- Hunan Research Institute of Rare Earth metals
- Shandong Zhongkai Rare Earth Material Co., Ltd
- Zibo Jiahua Advanced Material Resources Co., Ltd

#### D: Fujian Rare Earth Group

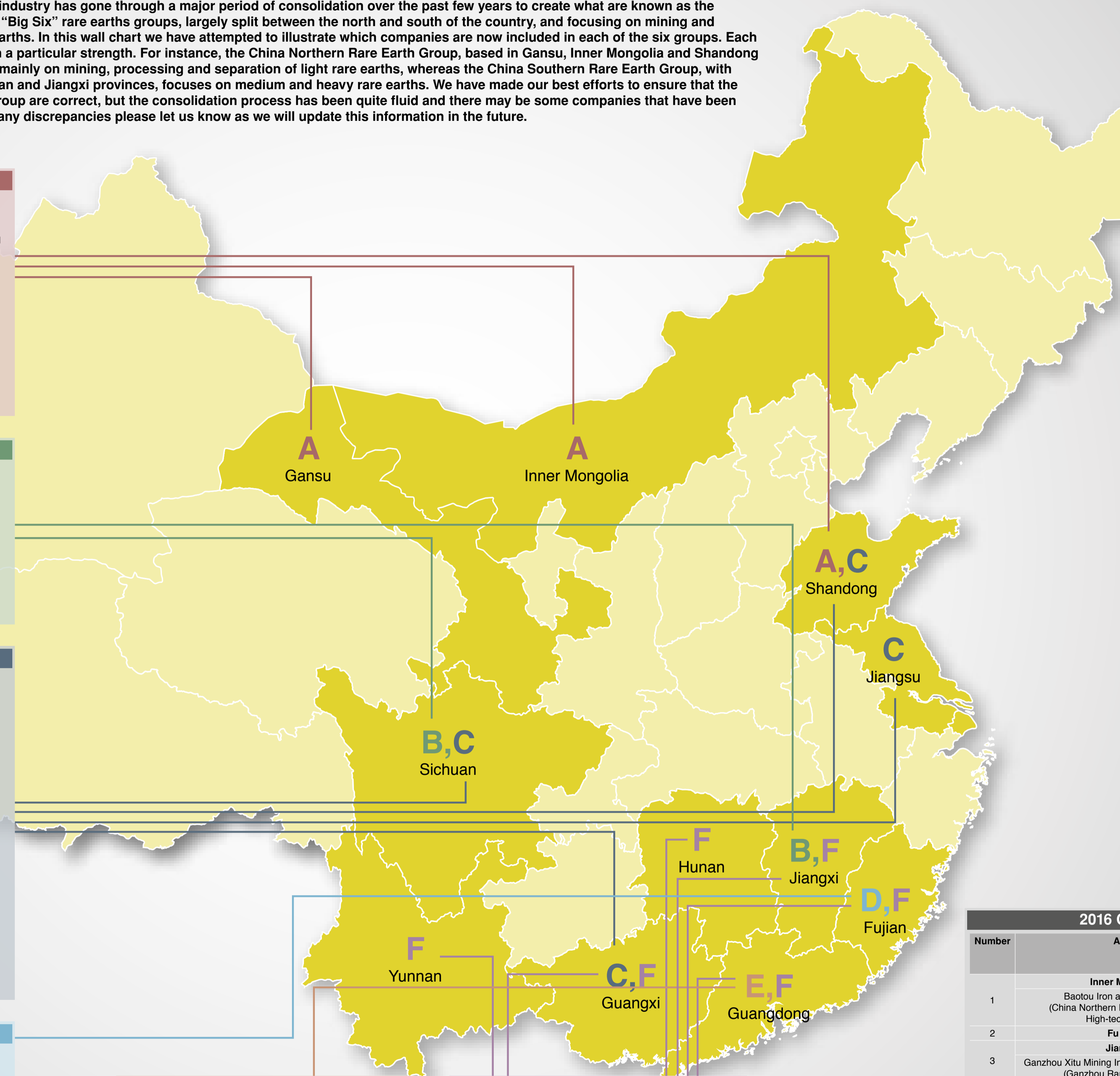
- Longyan Rare Earth Development Co Ltd (龙岩市稀土开发有限公司)
- Wuping Chengshi RE Development Co Ltd (武平县程师稀土开发有限公司)
- Yongding Longhui RE Development Co Ltd (永定县龙辉稀土开发有限公司)
- Shanghai gujiao ziyi RE Development Co Ltd (上海吉蛟紫钰稀土开发有限公司)
- Changting Chiyou RE Development Co Ltd (长汀县赤游稀土开发有限公司)
- Sanming RE Development Ltd (三明市稀土开发有限公司)
- Fujian Changting Golden Dragon Rare Earth Co Ltd

#### E: Guangdong Rare Earth Group

- Pingyuan Huaqi Rare Earth Industrial Co., Ltd
- Dapu Xinchengji Industry Co
- Varda Group Heyuan City Dongyuan Guyun Rare Earth Ore Mining Limited (河源市华达集团东源古云矿产开发有限公司)
- Guangdong Fuyuan Rare Earth New Material Co., Ltd
- Qingyuan Jiaha Rare Metal Co., Ltd
- Deqing Xingbao Rare Earth New Materials Co., Ltd
- Longnan County Heli Rare Earth Smelting Co., Ltd
- Baotou Xinyuan Rare Earth Hi-Tech and New Material Co., Ltd
- Baoding Huabao Rare Earth Co., Ltd
- Jintan Hailin Rare Earth Co., Ltd
- Yunnan Aosi Dilong Mineral Development Co., Ltd (云南奥斯迪龙矿产业开发有限公司)

#### F: China Minmetals

- Fujian SanMing Rare Earth Co. Ltd (福建省三明稀土材料有限公司)
- China Minmetals Rare Earth Jianghua Co., Ltd
- Longchuan Yunlong Rare Earth Developing Co., Ltd
- Garxian Hongjin Rare Earth Co., Ltd
- Dingnan Dahua New Materials Resources Co., Ltd
- Dingnan Southern Rare Earth Co. Ltd (定南大华新材料资源有限公司)
- Xunwu South Rare Earth Co., Ltd
- JianghuaYao Nationality Autonomous County Xinghua Rare Earth Co. Ltd
- Conghua Jianfeng Rare Earth Co., Ltd



Maboumine, a subsidiary of COMILOG, holds the mining exploration licence for the Maboumine polymetallic deposit in Gabon, which contains large resources of niobium, tantalum, rare earths and uranium

**A Niobium and Rare Earths Project**  
[www.maboumine.com](http://www.maboumine.com)



#### Baotou Research Institute of Rare Earths

Baotou Research Institute of Rare Earths (BRIRE for short hereinafter) was founded in 1963. It has been developed into the largest comprehensive rare earth technological R & D institution specialized on rare earths in China today.

#### Research fields

BRIRE is an integrated research institute covering the fields of rare earth metallurgy, environmental protection, new rare earth performance materials, application of rare earths in high tech industry, technical upgrading in traditional industry, rare earth assay & inspection and rare earth information.

#### Collaboration

We are willing to establish wide collaborations either with research institutions or universities or with different rare earth consumers in the world.

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### Metal Events Ltd's Rare Earths Community

- Coming soon — a new service for the global rare earths industry**
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  - Connect with other industry participants.

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#### 2016 China Rare Earth Production Quotas

Number	Area	Rare Earth Oxides (tons)	
		Light rare-earth minerals	Medium-to-heavy rare-earth minerals
1	<b>Inner Mongolia</b>	59,500	
	Baotou Iron and Steel Group (China Northern Rare Earth (Group) High-tech Co.,Ltd)		
2	<b>Fu Jian</b>		2,000
	<b>Jiang Xi</b>		9,000
3	Ganzhou Xitu Mining Industry Limited Company (Ganzhou Rare Earth Group)		
	<b>Shan Dong</b>	2,600	
4	Shandong Weishan Lake Rare Earth Co., Ltd. (Aluminum Group of China)		
	<b>Hu Nan</b>		2,000
5	Minmetals Rare Earth Jianghua Co., Ltd. (China Minmetals)		
	<b>Guang Dong</b>		2,200
6	<b>Guang Xi</b>		2,500
	Chinalco Guangxi Nonferrous Rare-Earth Development Co., Ltd (Aluminum Group of China)		
7	<b>Si Chuan</b>	25,000	
	<b>Yun Nan</b>		200
<b>Total</b>		<b>87,100</b>	<b>17,900</b>
<b>In Total</b>		<b>105,000</b>	