



Rare earths

RARE EARTHS

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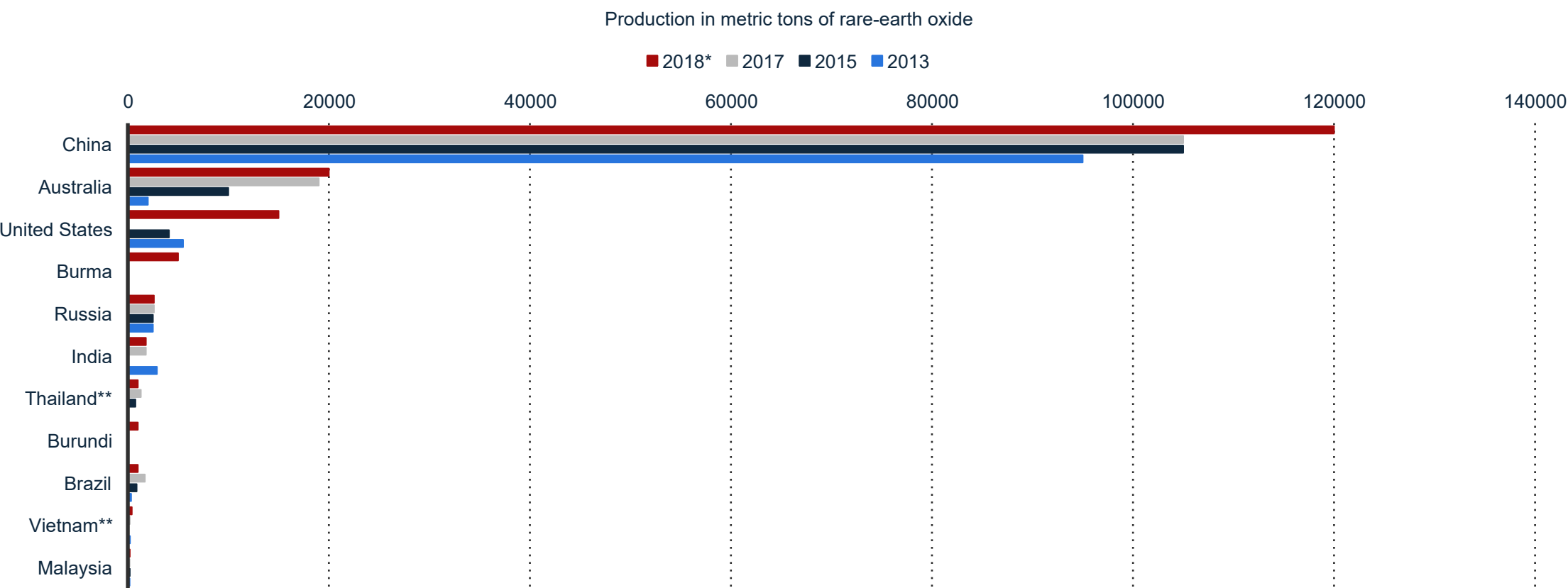
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Overview

Major countries in rare earth mine production worldwide from 2013 to 2018 (in metric tons REO)

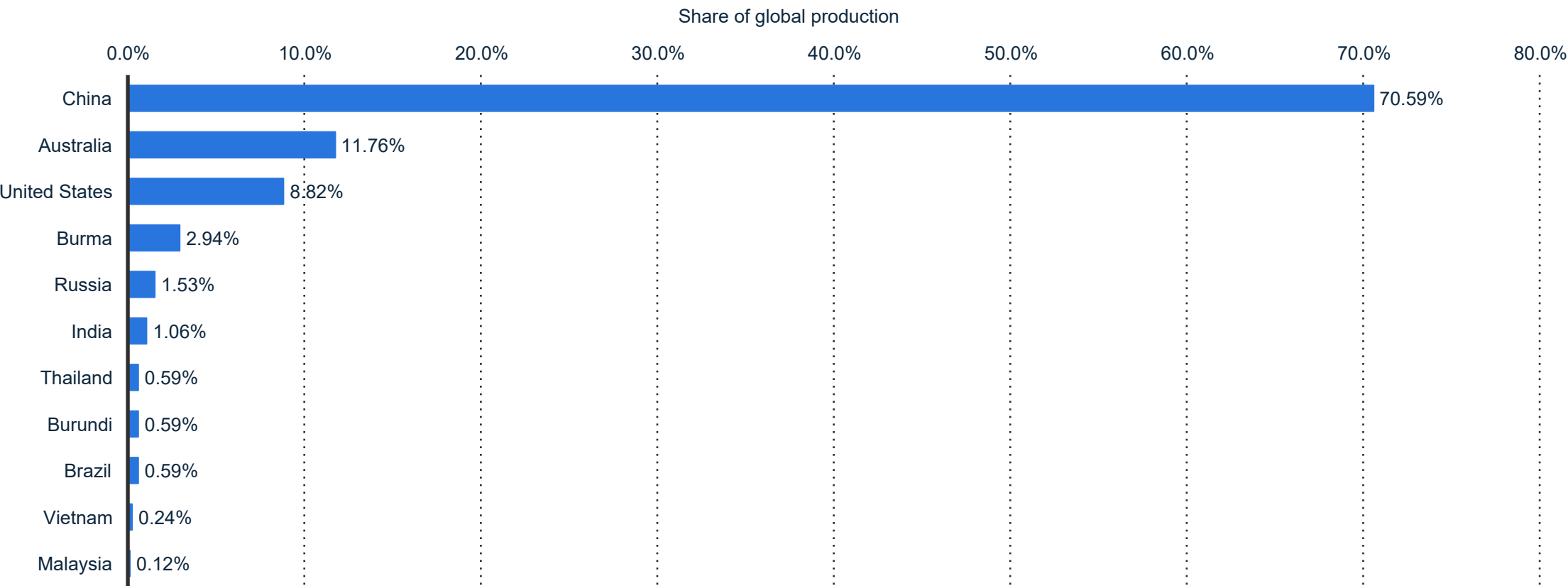
Major countries in rare earth mine production 2013-2018



Note: Worldwide; 2013 to 2018
Further information regarding this statistic can be found on [page 34](#).
Source(s): US Geological Survey; [ID 268011](#)

Distribution of rare earths production worldwide as of 2018, by country*

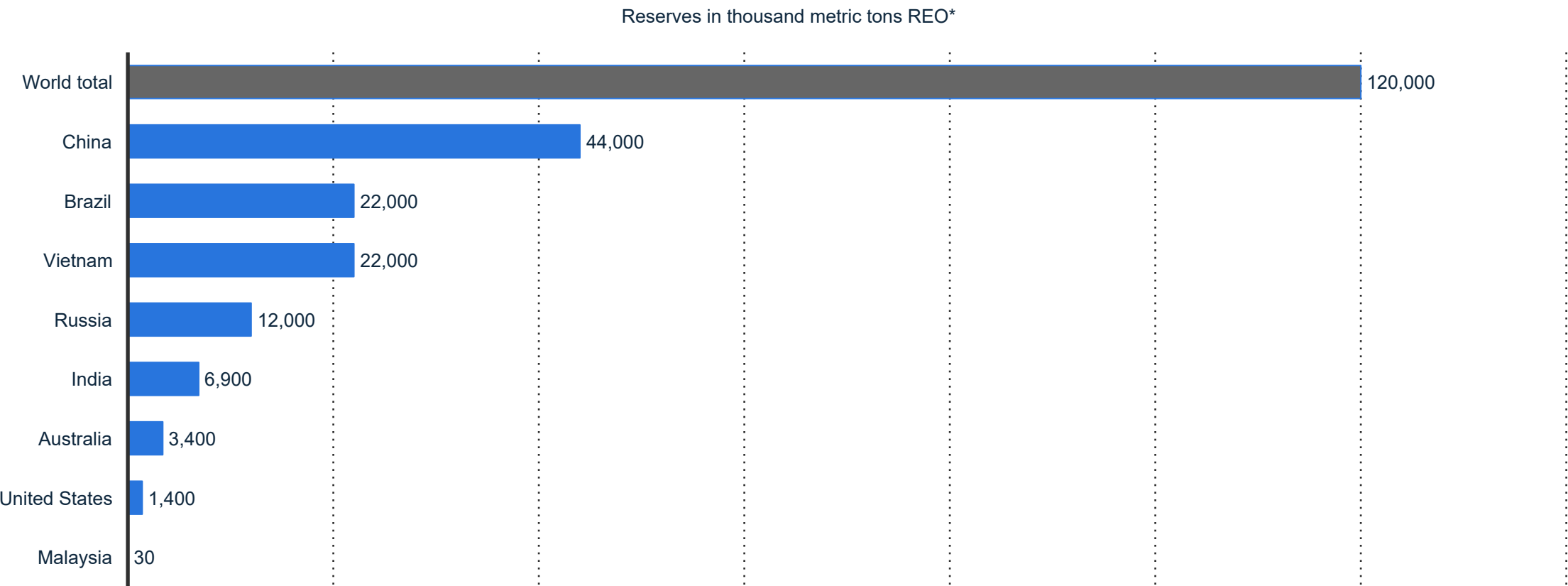
Rare earth mining - global distribution by country 2018



Note: Worldwide; 2018
Further information regarding this statistic can be found on [page 35](#).
Source(s): US Geological Survey; [ID 270277](#)

Rare earth reserves worldwide as of 2018, by country (in 1,000 metric tons REO)*

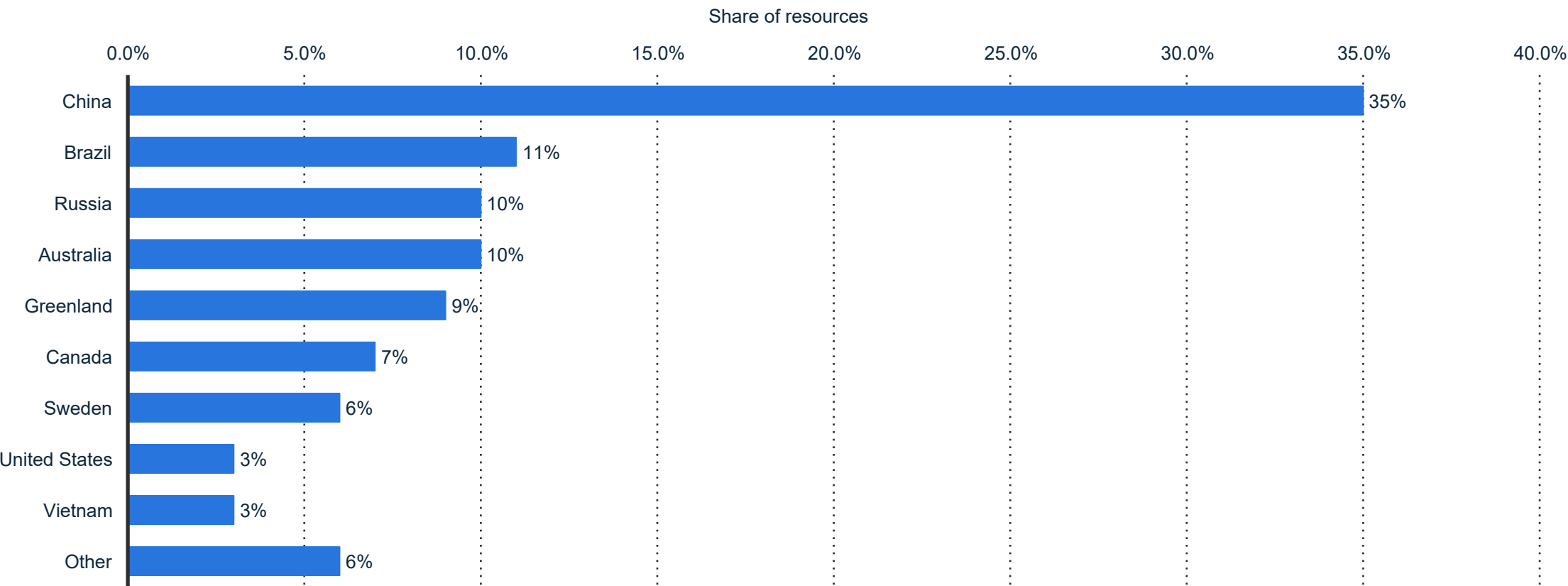
Rare earth reserves worldwide by country 2018



Note: Worldwide
Further information regarding this statistic can be found on [page 36](#).
Source(s): US Geological Survey; [ID 277268](#)

Distribution of rare earth element resources worldwide as of 2017 by country

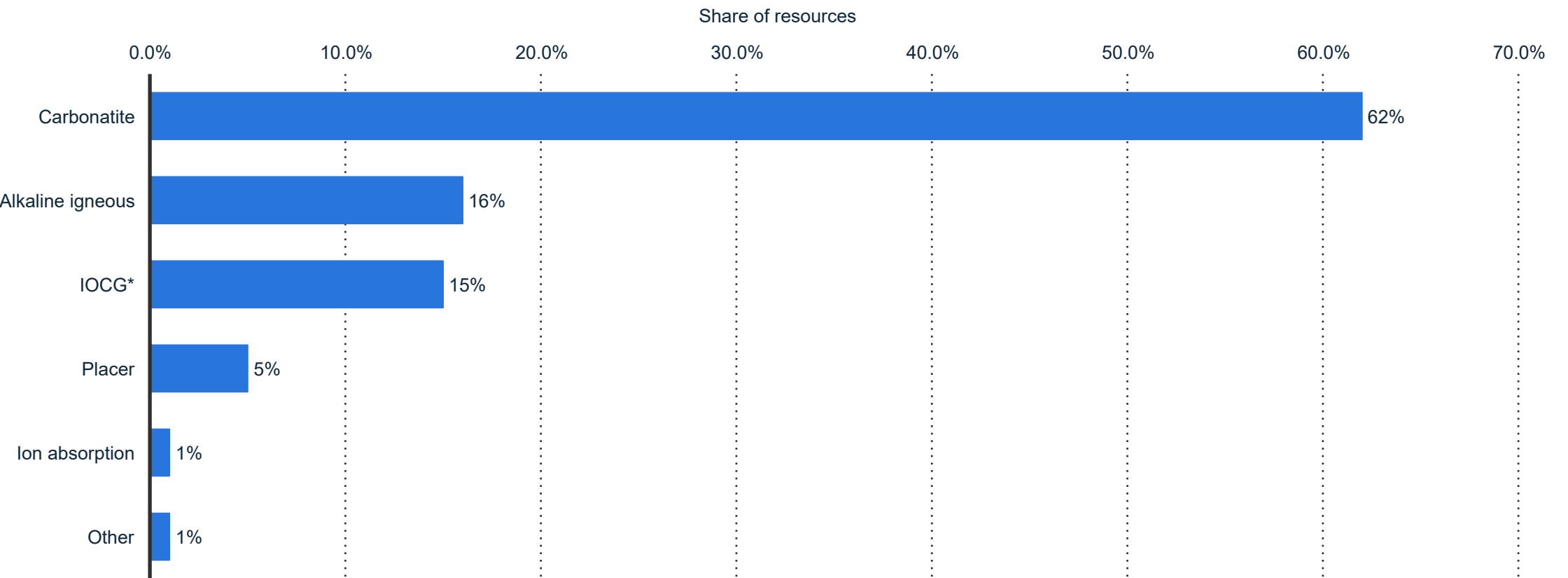
Rare earths distribution of global resources by country 2017



Note: Worldwide
Further information regarding this statistic can be found on [page 37](#).
Source(s): MDPI (Minerals); [ID 270279](#)

Distribution of rare earth element resources worldwide as of 2017, by principle deposit type

Rare earth oxide distribution of global resources by deposit type 2017



Note: Worldwide
Further information regarding this statistic can be found on [page 38](#).
Source(s): MDPI (Minerals); [ID 788510](#)

Average price of selected rare earth oxides in 2018 (in U.S. dollars per kilogram)*

Rare earth oxides average price in 2018

Rare earth oxide	Price in U.S. dollars per kilogram of REO
Terbium oxide, 99.99% minimum	461
Dysprosium oxide, 99.5% minimum purity	180
Europium oxide, 99.9% minimum purity	56
Neodymium oxide, 99.5% minimum	51
Mischmetal, 65% cerium, 35% lanthanum	6
Lanthanum oxide, 99.5% minimum purity	2
Cerium oxide, 99.5% minimum purity	2

Note: Worldwide; 2018

Further information regarding this statistic can be found on [page 39](#).

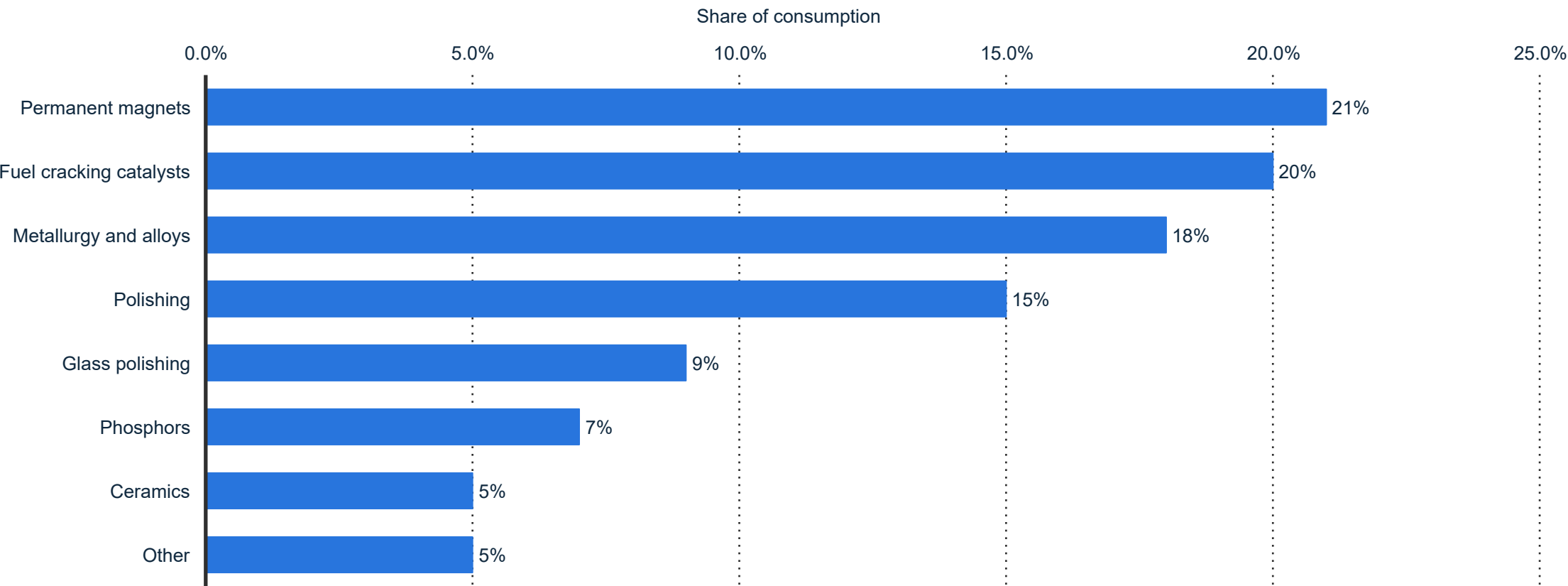
Source(s): US Geological Survey; Argus Media (Argus Metals); [ID 617249](#)

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Demand and consumption

Distribution of rare earth element consumption worldwide in 2018, by end use

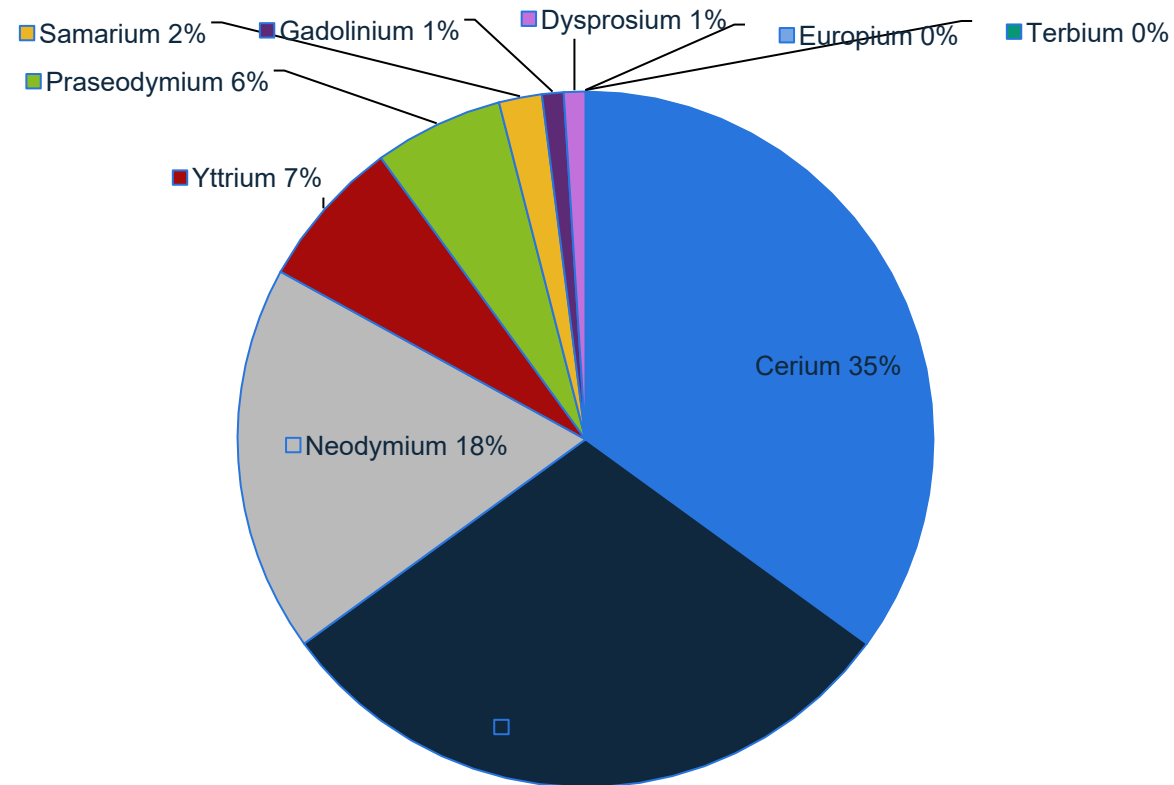
Distribution of global rare earth element consumption by end use 2018



Note: Worldwide
Further information regarding this statistic can be found on [page 40](#).
Source(s): Roskill; Adamas Intelligence; NRCan; [ID 604190](#)

Distribution of rare earth consumption volume worldwide in 2018 by element

Global consumption share of rare earths by element 2018



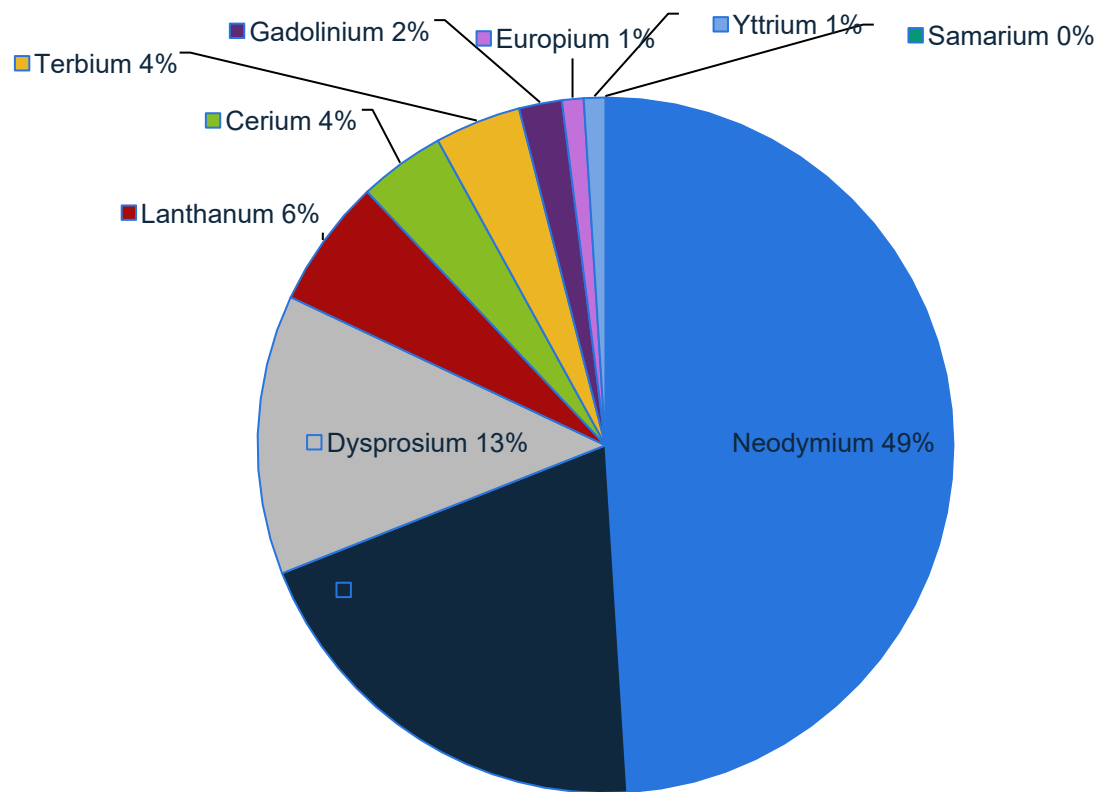
Note: Worldwide; 2018

Further information regarding this statistic can be found on [page 41](#).

Source(s): Argus Media; [ID 1060440](#)

Distribution of rare earth consumption value worldwide in 2018, by element

Global consumption value distribution of rare earths by element 2018



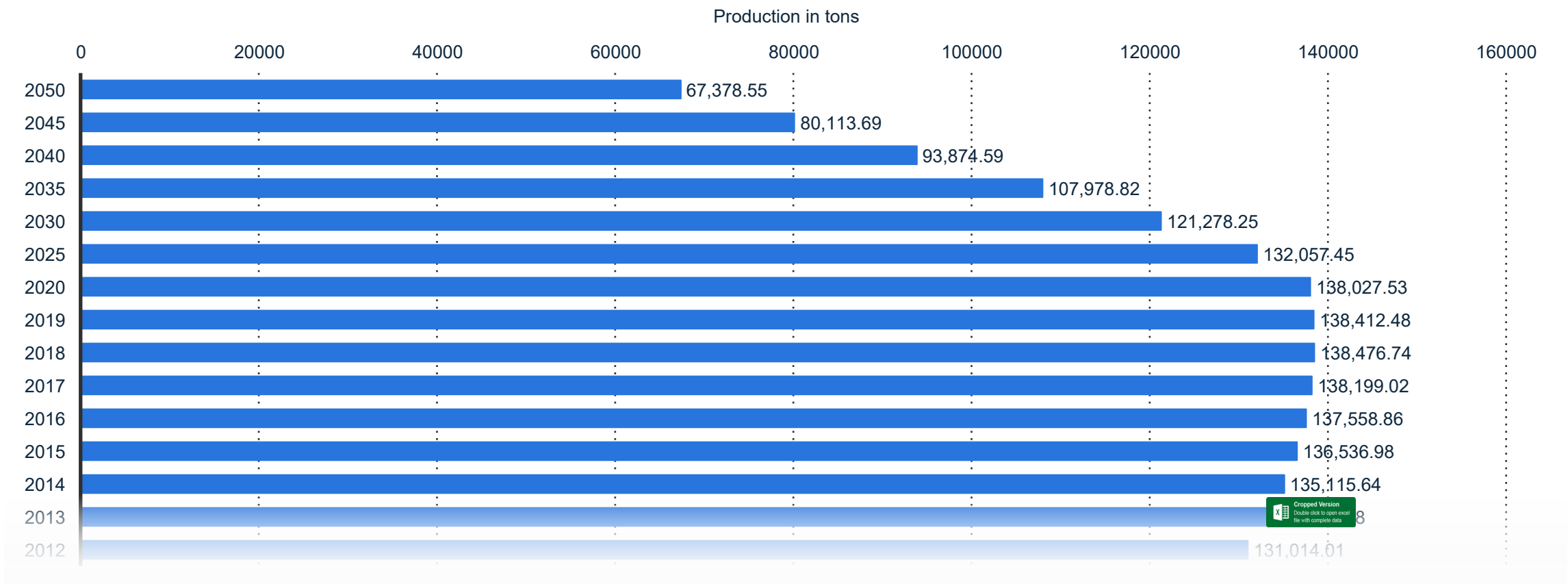
Note: Worldwide; 2018
Further information regarding this statistic can be found on [page 42](#).
Source(s): Argus Media; [ID 1062137](#)

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China

Production forecast of rare earths in China from 1990 to 2050 (in tons)

China's rare earths production forecast 1990-2050



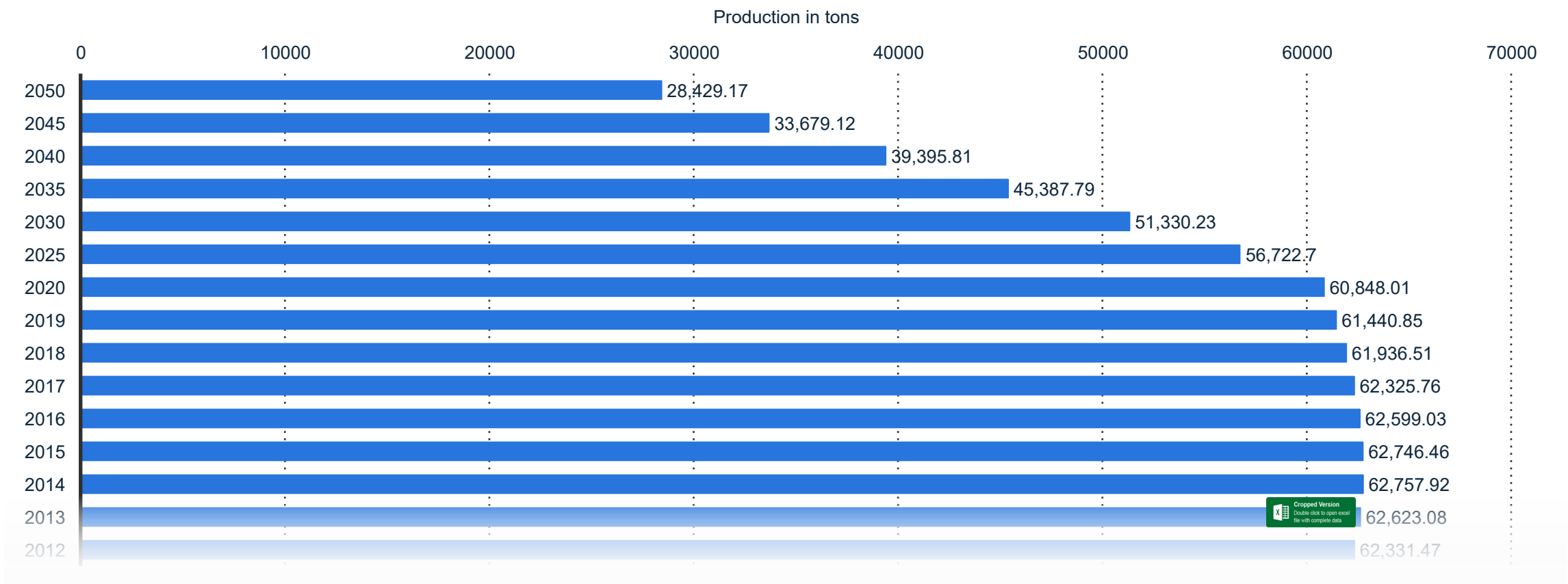
Note: China; as of November 2014

Further information regarding this statistic can be found on [page 43](#).

Source(s): Resources Policy (X. Wang, Y. Lei, J. Ge, and S. Wu); [ID 617869](#)

Production forecast of mixed rare earths in China from 1990 to 2050 (in tons)

China's mixed rare earths production forecast 1990-2050



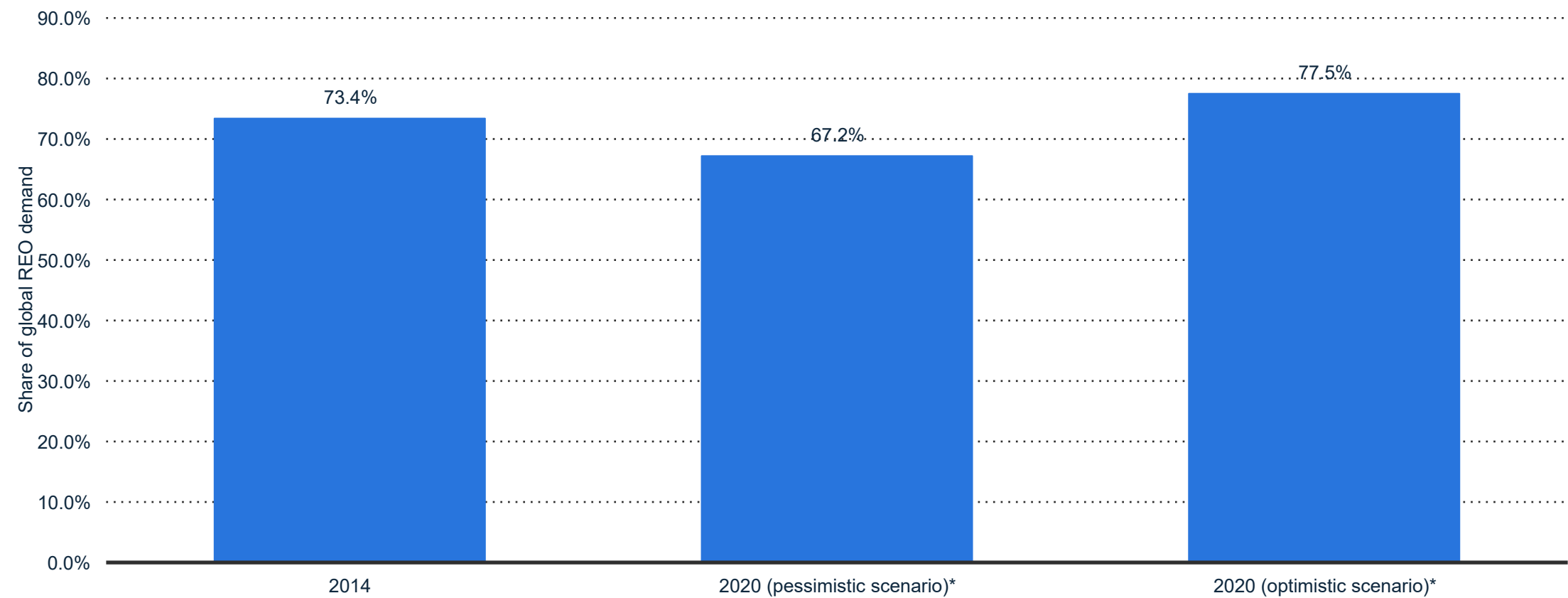
Note: China; as of November 2014

Further information regarding this statistic can be found on [page 44](#).

Source(s): Resources Policy (X. Wang, Y. Lei, J. Ge, and S. Wu); [ID 617601](#)

China's share of rare earth oxide demand worldwide in 2014 and 2020

China's share of global rare earth oxide demand in 2014 and 2020



Note: Worldwide; as of October 2014
Further information regarding this statistic can be found on [page 45](#).
Source(s): Adamas Intelligence; [ID 617363](#)

Average Chinese domestic prices for selected rare earth oxides as of January 2018 (in renminbi per metric ton)

Chinese domestic prices for rare earth oxides 2018

	Price in renminbi per metric ton
Praesodymium oxide	440,000
Neodymium oxide	360,000
Didymium oxide	350,000
Erbium oxide	170,000
Gadolinium oxide	100,000
Yttrium oxide	21,500
Cerium oxide	14,000
Lanthanum oxide	14,000
Samarium oxide	14,000
Terbium oxide	3,075
Dysprosium oxide	1,180
Europium oxide	420

Note: China; January 8, 2018

Further information regarding this statistic can be found on [page 46](#).

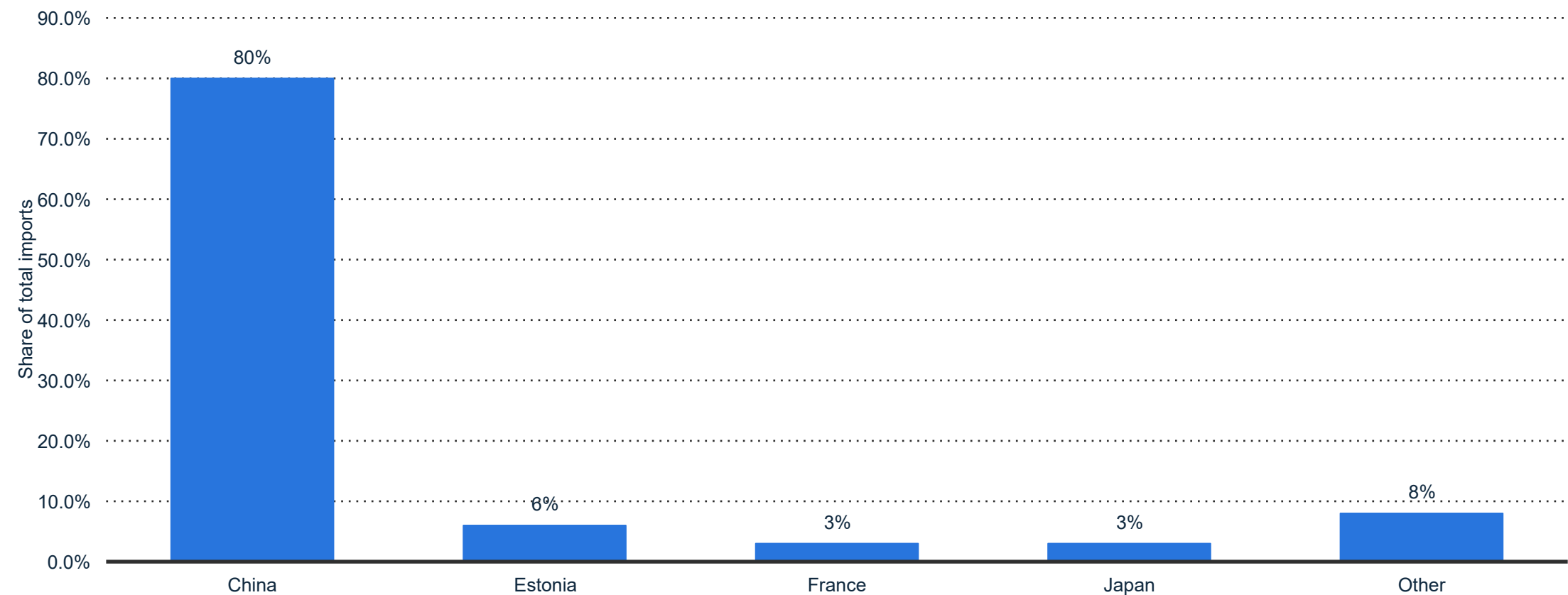
Source(s): Shanghai Metals Market; [ID 280038](#)

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United States

Distribution of U.S. rare earth imports between 2014 and 2017, by country

U.S. rare earth imports by country 2014-2017



Note: United States; 2014 to 2017
Further information regarding this statistic can be found on [page 47](#).
Source(s): US Geological Survey; [ID 279895](#)

Rare earth imports to the United States from 2014 to 2018, by product (in metric tons)*

U.S. rare earth imports by product 2014-2018

Product	2014	2015	2016	2017	2018*
Compounds	12,300	9,160	11,500	11,000	9,800
Rare-earth metals, scandium and yttrium	348	385	404	524	1,000
Ferrocerium alloys	371	356	268	309	330

Note: United States; 2014 to 2018
Further information regarding this statistic can be found on [page 48](#).
Source(s): US Geological Survey; US Census Bureau; [ID 280129](#)

Rare earth exports from the United States from 2014 to 2018, by product (in metric tons)

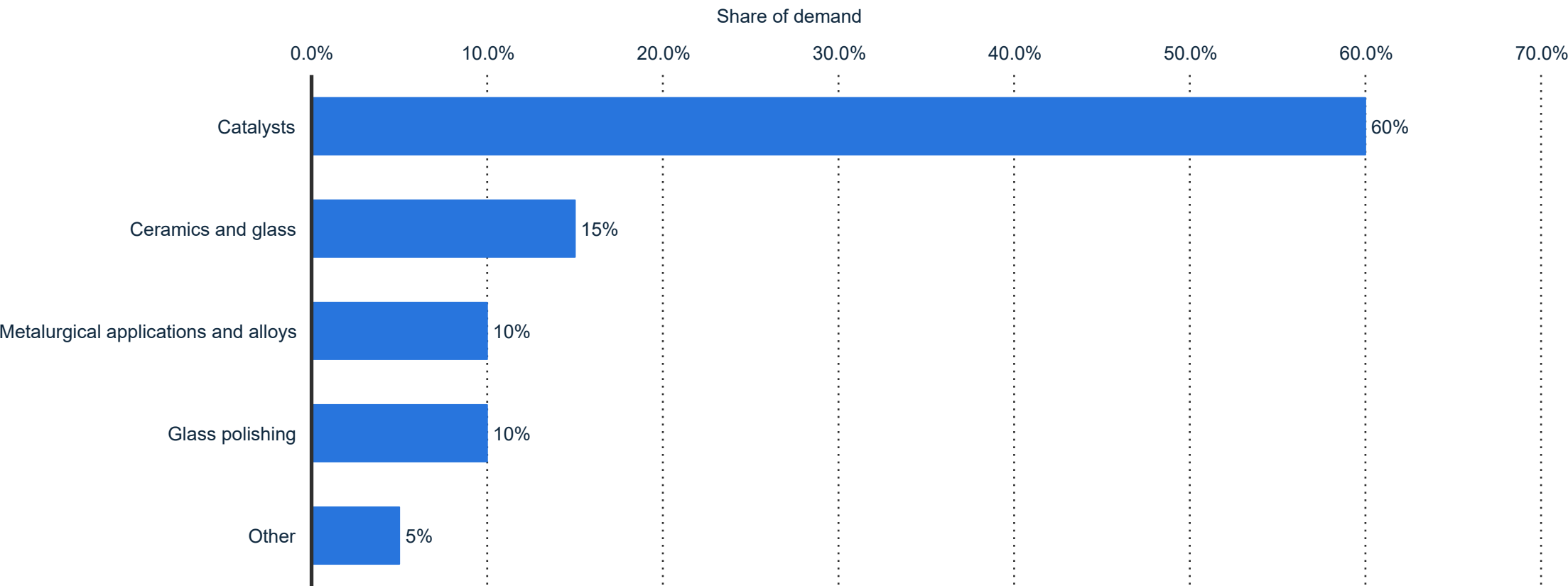
U.S. rare earth exports by product 2014-2018

Product	2014	2015	2016	2017	2018*
Compounds	4,390	4,980	590	1,740	15,000
Ferrocerium and pyrophoric alloys	1,640	1,220	943	982	1,300
Rare-earth metals, scandium, yttrium	140	60	103	55	30

Note: United States; 2014 to 2018
Further information regarding this statistic can be found on [page 49](#).
Source(s): US Geological Survey; [ID 280133](#)

Demand for rare earths in the United States in 2018, by application

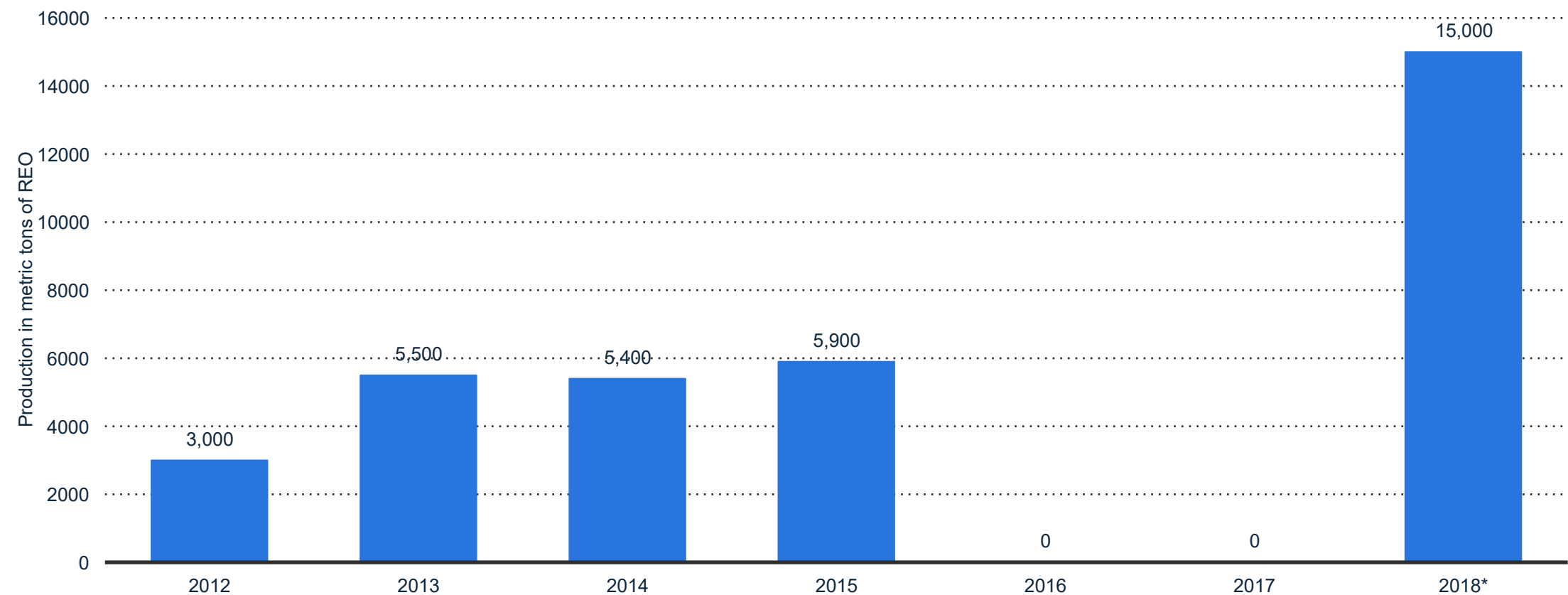
Demand in the U.S. for rare earths by application 2018



Note: United States; 2018
Further information regarding this statistic can be found on [page 50](#).
Source(s): US Geological Survey; [ID 325508](#)

Production of bastnäsite concentrates in the United States from 2012 to 2018 (in metric tons of rare-earth oxide equivalent)

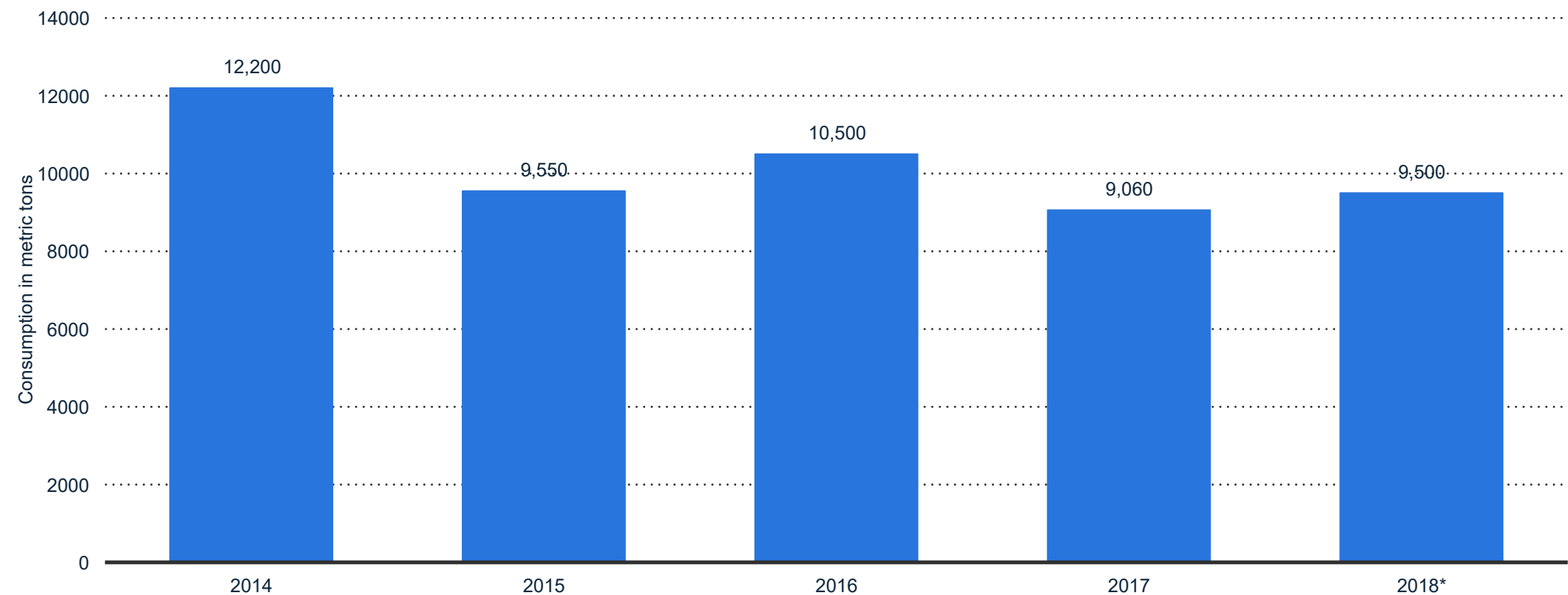
Bastnäsite production in the U.S. 2012-2018



Note: United States; 2012 to 2018
Further information regarding this statistic can be found on [page 51](#).
Source(s): US Geological Survey; [ID 616801](#)

Consumption of rare earths in the United States from 2014 to 2018 (in metric tons)*

U.S. rare earths consumption 2014-2018



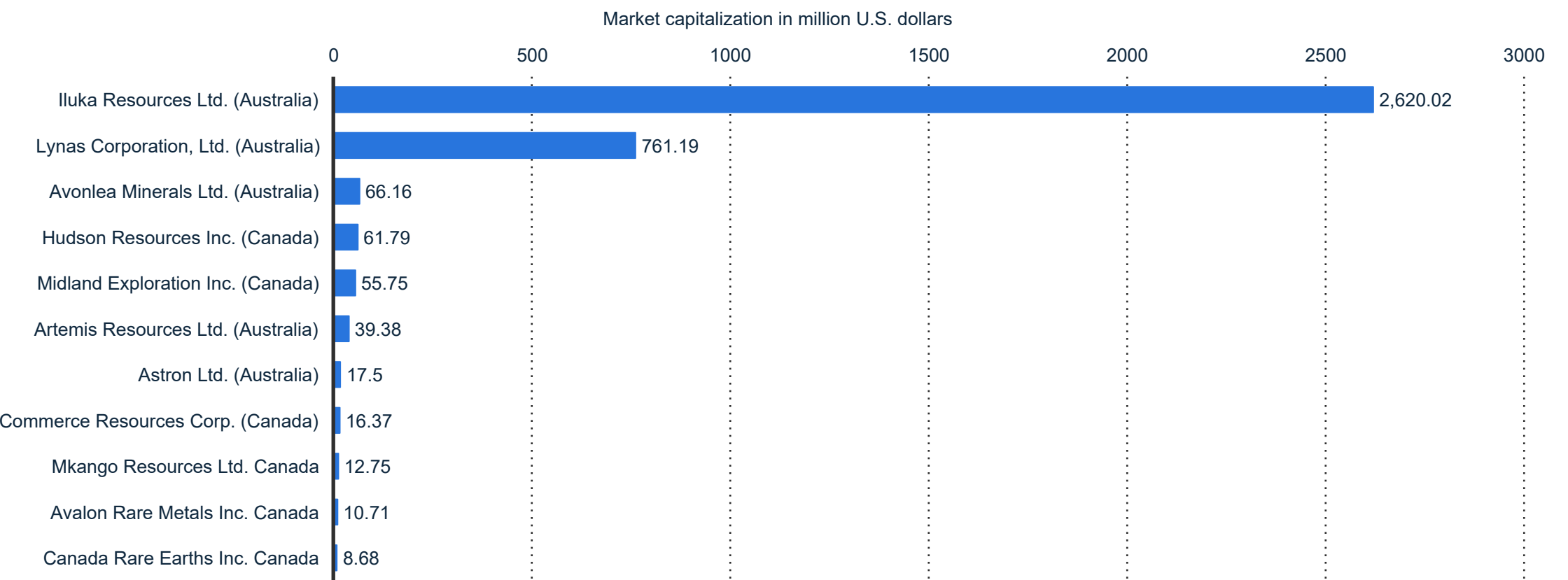
Note: United States; 2014 to 2018
Further information regarding this statistic can be found on [page 52](#).
Source(s): US Geological Survey; [ID 616726](#)

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Companies (outside China)

Selected rare earth companies outside China in 2019, by market capitalization (in million U.S. dollars)*

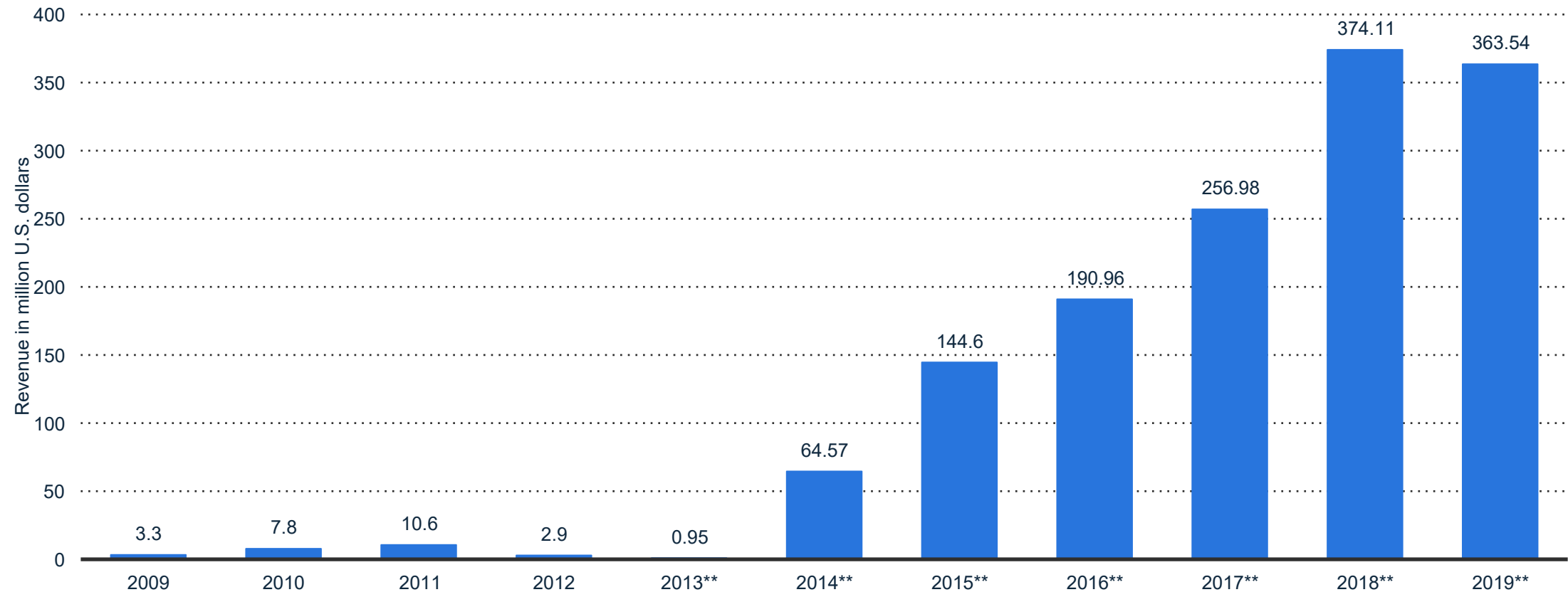
Major rare earth companies outside China by market capitalization 2019



Note: Worldwide; as of December 5, 2019
Further information regarding this statistic can be found on [page 53](#).
Source(s): MiningFeeds; [ID 215207](#)

Lynas Corporation's revenue from 2009 to 2019 (in million U.S. dollars)*

Lynas Corporation's revenue 2009-2019



Note: Worldwide; 2008 to 2018

Further information regarding this statistic can be found on [page 54](#).

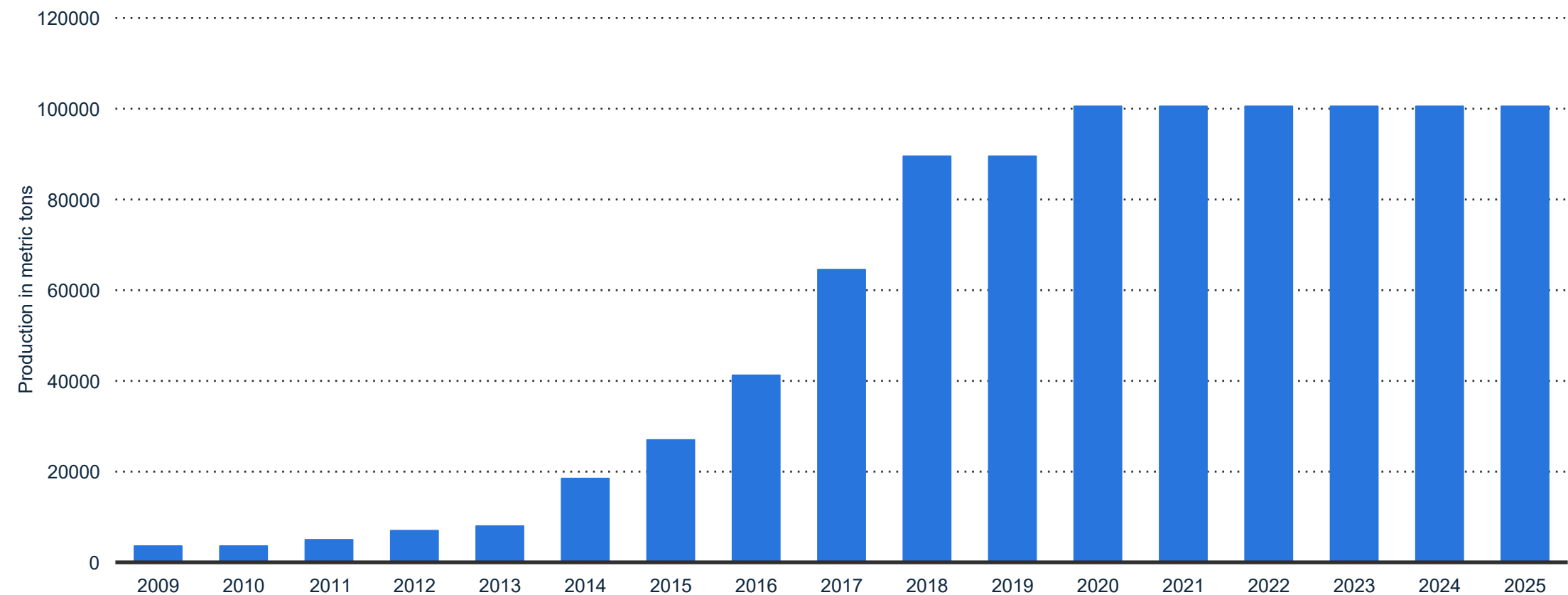
Source(s): Lynas Corporation; [ID 233479](#)

RARE EARTHS

Outlook

Total rare earth oxide production worldwide excluding China from 2009 to 2025 (in metric tons)

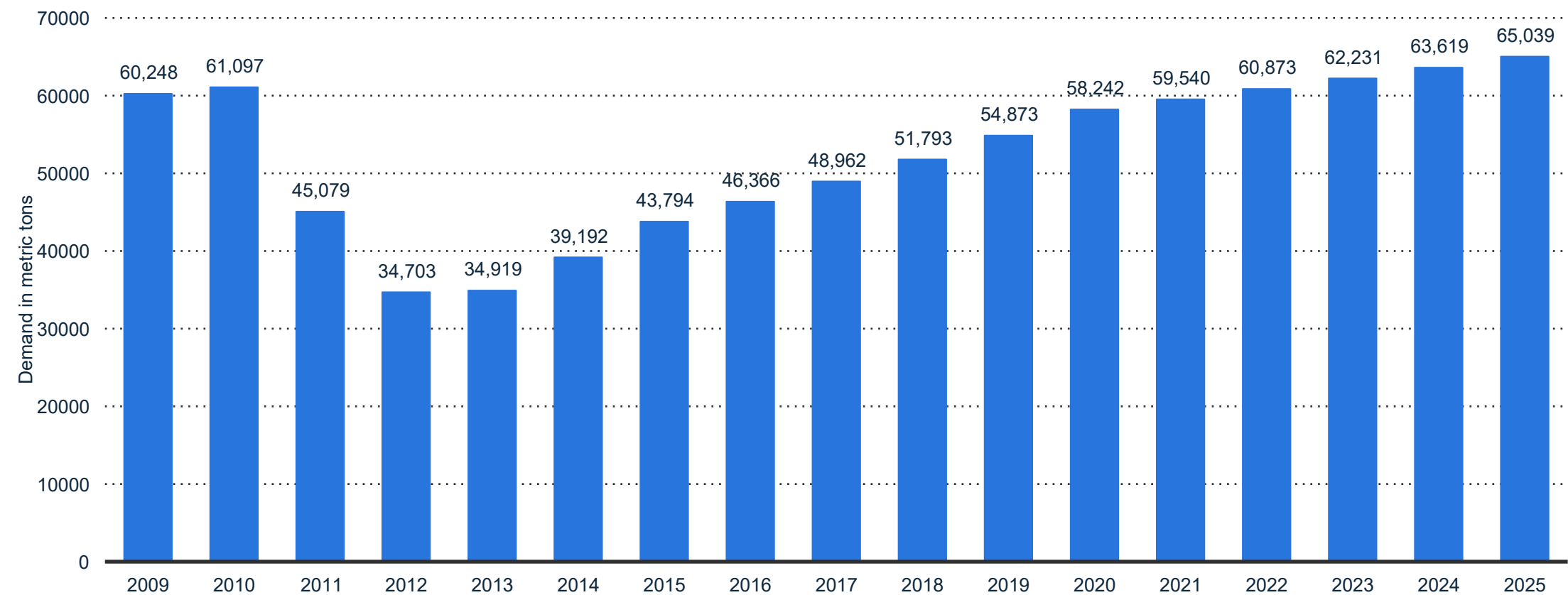
Forecast of rare earth oxide production globally excluding China 2009-2025



Note: Worldwide; 2009 to 2014
Further information regarding this statistic can be found on [page 55](#).
Source(s): Stormcrow; [ID 450137](#)

Total rare earth oxide demand worldwide excluding China from 2009 to 2025 (in metric tons)*

Forecast of rare earth oxide demand globally excluding China 2009-2025



Note: Worldwide; 2009 to 2014
Further information regarding this statistic can be found on [page 56](#).
Source(s): Stormcrow; [ID 450098](#)

Forecast of rare earth oxide prices worldwide from 2014 to 2025*

Global price forecast of rare earth oxides 2014-2025

	2014	2018	2022	2025
Lanthanum oxide (US\$/metric ton)	5,955	7,904	6,558	6,932
Cerium oxide (US\$/metric ton)	8,847	5,516	3,248	3,308
Praseodymium oxide (US\$/metric ton)	121,257	122,931	113	119,093
Neodymium oxide (US\$/metric ton)	71,180	107,729	105	148,444
Samarium oxide (US\$/metric ton)	7,601	6,884	4,519	4,887
Europium oxide (US\$/kilogram)	918	721	418	372
Gadolinium oxide (US\$/metric ton)	25,485	28,473	19,982	23,437
Terbium oxide (US\$/kilogram)	788	868	556	577
Dysprosium oxide (US\$/kilogram)	456	454	367	378
Holmium oxide (US\$/kilogram)	63	46	20	22
Erbium oxide (US\$/kilogram)	71	155	128	143
Ytterbium oxide (US\$/kilogram)	51	76	45	48
Lutetium oxide (US\$/kilogram)	1,258	1,258	1,258	1,258
Yttrium oxide (US\$/kilogram)	21	54	35	38

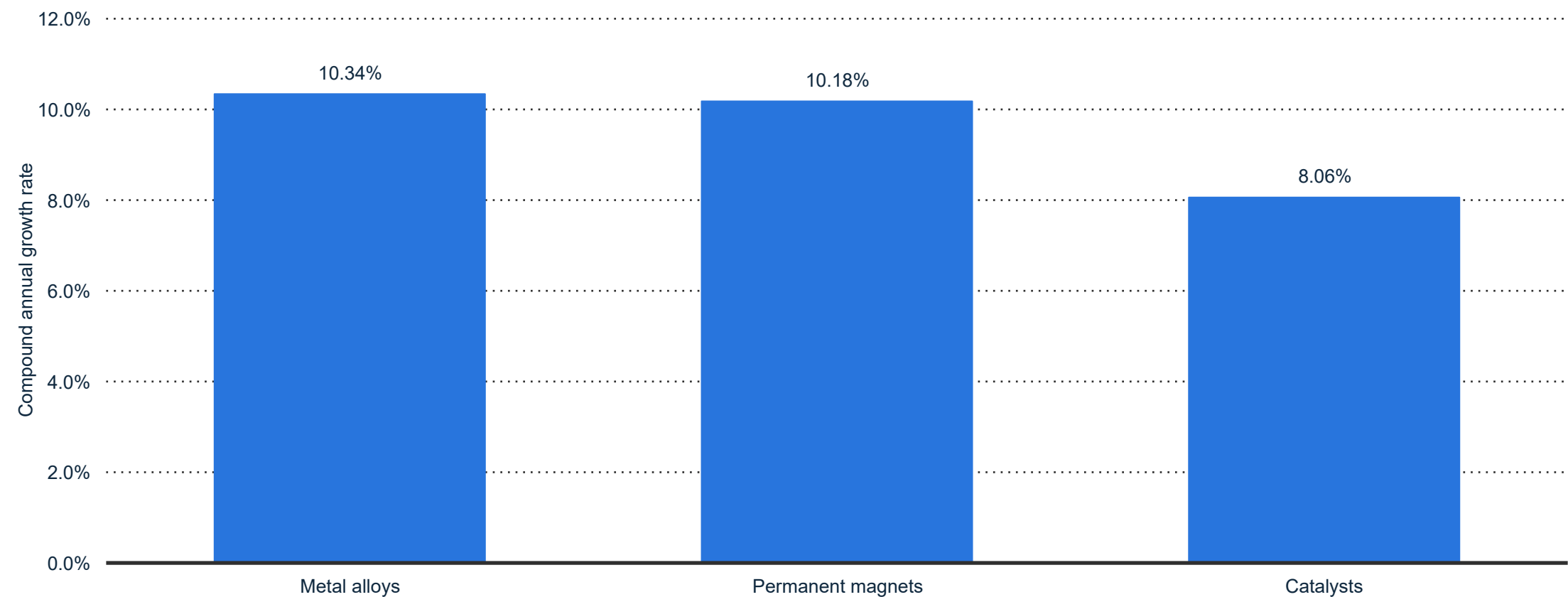
Note: Worldwide; 2014 and 2015

Further information regarding this statistic can be found on [page 57](#).

Source(s): Stormcrow; [ID 449838](#)

Compound annual growth rate (CAGR) of rare earth metals worldwide between 2016 and 2021, by application

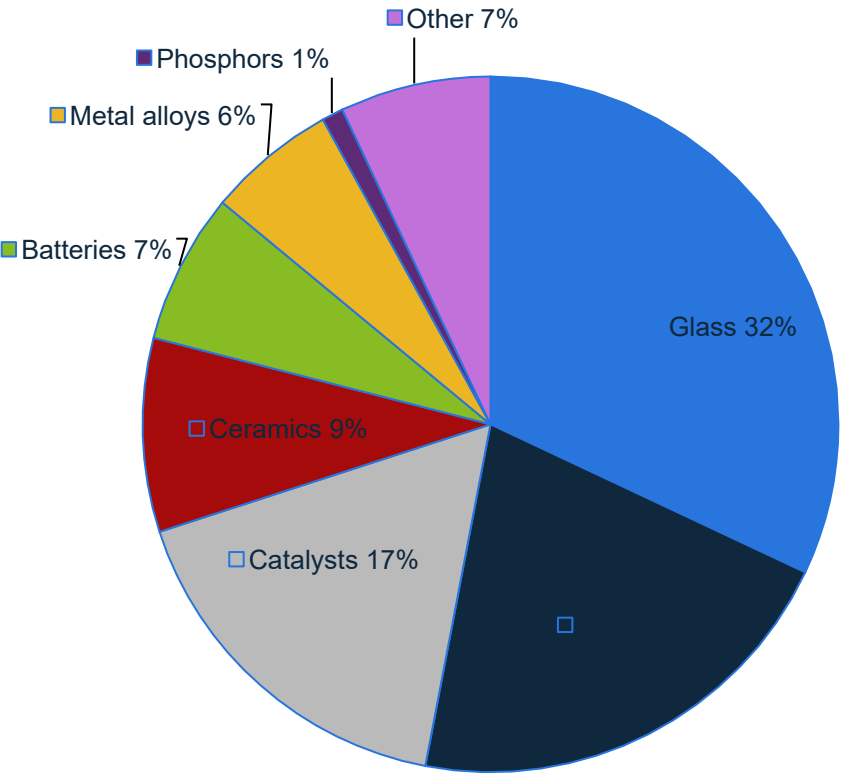
Global rare earth metals CAGR by application 2016-2021



Note: Worldwide; 2016
Further information regarding this statistic can be found on [page 58](#).
Source(s): TechNavio; Business Wire; [ID 933838](#)

Forecast consumption volume distribution of rare earths worldwide in 2028, by application

Global consumption forecast distribution of rare earths by application 2018



Note: Worldwide; 2018
Further information regarding this statistic can be found on [page 59](#).
Source(s): Argus Media; [ID 1062169](#)

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References

Major countries in rare earth mine production worldwide from 2013 to 2018 (in metric tons REO)

Major countries in rare earth mine production 2013-2018

Source and methodology information

Source(s)	US Geological Survey
Conducted by	US Geological Survey
Survey period	2013 to 2018
Region(s)	Worldwide
Number of respondents	<i>n.a.</i>
Age group	<i>n.a.</i>
Special characteristics	<i>n.a.</i>
Published by	US Geological Survey
Publication date	March 2019
Original source	USGS - Mineral Commodity Summaries 2019, page 133
Website URL	visit the website

Notes:

REO: rare earth oxide. No value means no data available. * Estimated. ** Production estimates based on Chinese imports. This statistic has been assembled using several editions of the report.

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Distribution of rare earths production worldwide as of 2018, by country*

Rare earth mining - global distribution by country 2018

Source and methodology information

Source(s)	US Geological Survey
Conducted by	US Geological Survey
Survey period	2018
Region(s)	Worldwide
Number of respondents	<i>n.a.</i>
Age group	<i>n.a.</i>
Special characteristics	<i>n.a.</i>
Published by	US Geological Survey
Publication date	March 2019
Original source	USGS - Mineral Commodity Summaries 2019, page 133
Website URL	visit the website

Notes:

* Calculated based on the (rounded) mine production figures in metric tons of rare-earth oxide (REO) equivalent content.

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Rare earth reserves worldwide as of 2018, by country (in 1,000 metric tons REO)*

Rare earth reserves worldwide by country 2018

Source and methodology information

Source(s)	US Geological Survey
Conducted by	US Geological Survey
Survey period	2018
Region(s)	Worldwide
Number of respondents	<i>n.a.</i>
Age group	<i>n.a.</i>
Special characteristics	<i>n.a.</i>
Published by	US Geological Survey
Publication date	March 2019
Original source	USGS - Mineral Commodity Summaries 2019, page 133
Website URL	visit the website

Notes:

* REO = rare earth oxides. All figures are estimates.

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Distribution of rare earth element resources worldwide as of 2017 by country

Rare earths distribution of global resources by country 2017

Source and methodology information

Source(s)	MDPI (Minerals)
Conducted by	MDPI (Minerals)
Survey period	2017
Region(s)	Worldwide
Number of respondents	<i>n.a.</i>
Age group	<i>n.a.</i>
Special characteristics	<i>n.a.</i>
Published by	MDPI (Minerals)
Publication date	October 2017
Original source	Global Potential of Rare Earth Resources and Rare Earth Demand from Clean Technologies, page 7
Website URL	visit the website

Notes:

Based on total world REO resources of some 478.14 metric tons.

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Distribution of rare earth element resources worldwide as of 2017, by principle deposit type

Rare earth oxide distribution of global resources by deposit type 2017

Source and methodology information

Source(s)	MDPI (Minerals)
Conducted by	MDPI (Minerals)
Survey period	2017
Region(s)	Worldwide
Number of respondents	<i>n.a.</i>
Age group	<i>n.a.</i>
Special characteristics	<i>n.a.</i>
Published by	MDPI (Minerals)
Publication date	October 2017
Original source	Global Potential of Rare Earth Resources and Rare Earth Demand from Clean Technologies, page 7
Website URL	visit the website

Notes:

* Iron oxide copper gold deposit. Based on total global rare earth oxide resources of some 478.14 metric tons.

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Average price of selected rare earth oxides in 2018 (in U.S. dollars per kilogram)*

Rare earth oxides average price in 2018

Source and methodology information

Source(s)	US Geological Survey; Argus Media (Argus Metals)
Conducted by	US Geological Survey; Argus Media (Argus Metals)
Survey period	2018
Region(s)	Worldwide
Number of respondents	<i>n.a.</i>
Age group	<i>n.a.</i>
Special characteristics	<i>n.a.</i>
Published by	US Geological Survey
Publication date	March 2019
Original source	USGS - Mineral Commodity Summaries 2019, page 132
Website URL	visit the website

Notes:

* Figures are estimated as of year end 2017.

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Distribution of rare earth element consumption worldwide in 2018, by end use

Distribution of global rare earth element consumption by end use 2018

Source and methodology information

Source(s)	Roskill; Adamas Intelligence; NRCan
Conducted by	Roskill; Adamas Intelligence
Survey period	2018
Region(s)	Worldwide
Number of respondents	<i>n.a.</i>
Age group	<i>n.a.</i>
Special characteristics	<i>n.a.</i>
Published by	NRCan
Publication date	November 2019
Original source	nrcan.gc.ca
Website URL	visit the website

Notes:

n.a.

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Distribution of rare earth consumption volume worldwide in 2018 by element

Global consumption share of rare earths by element 2018

Source and methodology information

Source(s)	Argus Media
Conducted by	Argus Media
Survey period	2018
Region(s)	Worldwide
Number of respondents	<i>n.a.</i>
Age group	<i>n.a.</i>
Special characteristics	<i>n.a.</i>
Published by	Argus Media
Publication date	January 2019
Original source	Rare Earth Market Overview, pdf page 18
Website URL	visit the website

Notes:

n.a.

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Distribution of rare earth consumption value worldwide in 2018, by element

Global consumption value distribution of rare earths by element 2018

Source and methodology information

Source(s)	Argus Media
Conducted by	Argus Media
Survey period	2018
Region(s)	Worldwide
Number of respondents	<i>n.a.</i>
Age group	<i>n.a.</i>
Special characteristics	<i>n.a.</i>
Published by	Argus Media
Publication date	January 2019
Original source	Rare Earth Market Overview, pdf page 18
Website URL	visit the website

Notes:

n.a.

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Production forecast of rare earths in China from 1990 to 2050 (in tons)

China's rare earths production forecast 1990-2050

Source and methodology information

Source(s)	Resources Policy (X. Wang, Y. Lei, J. Ge, and S. Wu)
Conducted by	Resources Policy (X. Wang, Y. Lei, J. Ge, and S. Wu)
Survey period	as of November 2014
Region(s)	China
Number of respondents	<i>n.a.</i>
Age group	<i>n.a.</i>
Special characteristics	<i>n.a.</i>
Published by	Resources Policy (X. Wang, Y. Lei, J. Ge, and S. Wu)
Publication date	November 2014
Original source	Production forecast of China's rare earths based on the Generalized Weng model and policy recommendations, page 15
Website URL	visit the website

Notes:

* Actual production figures for the portions between 1995 and 2010; all other figures are forecasts. The figure for 1990 is a backwards estimation based on the linear relations of the actual annual figures for the years 1994-2010 for mixed rare earths and ion-absorbed rare earths, and between 2000 and 2010 for bastnasite rare earths used in the study. Forecast figures were calculated using the Generalized Weng model.

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Production forecast of mixed rare earths in China from 1990 to 2050 (in tons)

China's mixed rare earths production forecast 1990-2050

Source and methodology information

Source(s)	Resources Policy (X. Wang, Y. Lei, J. Ge, and S. Wu)
Conducted by	Resources Policy (X. Wang, Y. Lei, J. Ge, and S. Wu)
Survey period	as of November 2014
Region(s)	China
Number of respondents	<i>n.a.</i>
Age group	<i>n.a.</i>
Special characteristics	<i>n.a.</i>
Published by	Resources Policy (X. Wang, Y. Lei, J. Ge, and S. Wu)
Publication date	November 2014
Original source	Production forecast of China's rare earths based on the Generalized Weng model and policy recommendations, page 15
Website URL	visit the website

Notes:

* Actual production figures; all other figures are forecasts. The figure for 1990 is a backwards estimation based on the linear relations of the actual annual figures for the years 1994-2010 used in the study. Forecast figures were calculated using the Generalized Weng model.

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China's share of rare earth oxide demand worldwide in 2014 and 2020

China's share of global rare earth oxide demand in 2014 and 2020

Source and methodology information

Source(s)	Adamas Intelligence
Conducted by	Adamas Intelligence
Survey period	as of October 2014
Region(s)	Worldwide
Number of respondents	<i>n.a.</i>
Age group	<i>n.a.</i>
Special characteristics	<i>n.a.</i>
Published by	Adamas Intelligence
Publication date	October 2014
Original source	adamasintel.com
Website URL	visit the website

Notes:

* Projected figures.

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Average Chinese domestic prices for selected rare earth oxides as of January 2018 (in renminbi per metric ton)

Chinese domestic prices for rare earth oxides 2018

Source and methodology information

Source(s)	Shanghai Metals Market
Conducted by	Shanghai Metals Market
Survey period	January 8, 2018
Region(s)	China
Number of respondents	<i>n.a.</i>
Age group	<i>n.a.</i>
Special characteristics	<i>n.a.</i>
Published by	Shanghai Metals Market
Publication date	January 2018
Original source	price.metal.com
Website URL	visit the website

Notes:

n.a.

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Distribution of U.S. rare earth imports between 2014 and 2017, by country

U.S. rare earth imports by country 2014-2017

Source and methodology information

Source(s)	US Geological Survey
Conducted by	US Geological Survey
Survey period	2014 to 2017
Region(s)	United States
Number of respondents	<i>n.a.</i>
Age group	<i>n.a.</i>
Special characteristics	<i>n.a.</i>
Published by	US Geological Survey
Publication date	March 2019
Original source	USGS - Mineral Commodity Summaries 2019, page 132
Website URL	visit the website

Notes:

REO = rare earth oxides.

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Rare earth imports to the United States from 2014 to 2018, by product (in metric tons)*

U.S. rare earth imports by product 2014-2018

Source and methodology information

Source(s)	US Geological Survey; US Census Bureau
Conducted by	US Geological Survey; US Census Bureau
Survey period	2014 to 2018
Region(s)	United States
Number of respondents	<i>n.a.</i>
Age group	<i>n.a.</i>
Special characteristics	<i>n.a.</i>
Published by	US Geological Survey
Publication date	March 2019
Original source	USGS - Mineral Commodity Summaries 2019, page 132
Website URL	visit the website

Notes:

* REO equivalent or content of various materials were estimated.

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Rare earth exports from the United States from 2014 to 2018, by product (in metric tons)

U.S. rare earth exports by product 2014-2018

Source and methodology information

Source(s)	US Geological Survey
Conducted by	US Geological Survey
Survey period	2014 to 2018
Region(s)	United States
Number of respondents	<i>n.a.</i>
Age group	<i>n.a.</i>
Special characteristics	<i>n.a.</i>
Published by	US Geological Survey
Publication date	March 2019
Original source	USGS - Mineral Commodity Summaries 2019, page 132
Website URL	visit the website

Notes:

* Estimated All values are on REO (rare earth oxides) basis.

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Demand for rare earths in the United States in 2018, by application

Demand in the U.S. for rare earths by application 2018

Source and methodology information

Source(s)	US Geological Survey
Conducted by	US Geological Survey
Survey period	2018
Region(s)	United States
Number of respondents	<i>n.a.</i>
Age group	<i>n.a.</i>
Special characteristics	<i>n.a.</i>
Published by	US Geological Survey
Publication date	March 2019
Original source	USGS - Mineral Commodity Summaries 2019, page 132
Website URL	visit the website

Notes:

n.a.

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Production of bastnäsite concentrates in the United States from 2012 to 2018 (in metric tons of rare-earth oxide equivalent)

Bastnäsite production in the U.S. 2012-2018

Source and methodology information

Source(s)	US Geological Survey
Conducted by	US Geological Survey
Survey period	2012 to 2018
Region(s)	United States
Number of respondents	<i>n.a.</i>
Age group	<i>n.a.</i>
Special characteristics	<i>n.a.</i>
Published by	US Geological Survey
Publication date	March 2019
Original source	USGS - Mineral Commodity Summaries 2019, page 132
Website URL	visit the website

Notes:

* Estimate.

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Consumption of rare earths in the United States from 2014 to 2018 (in metric tons)*

U.S. rare earths consumption 2014-2018

Source and methodology information

Source(s)	US Geological Survey
Conducted by	US Geological Survey
Survey period	2014 to 2018
Region(s)	United States
Number of respondents	<i>n.a.</i>
Age group	<i>n.a.</i>
Special characteristics	<i>n.a.</i>
Published by	US Geological Survey
Publication date	March 2019
Original source	USGS - Mineral Commodity Summaries 2019, page 132
Website URL	visit the website

Notes:

* Estimated. Apparent consumption, defined as production + imports - exports. This statistic was assembled using several editions of the report.

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Selected rare earth companies outside China in 2019, by market capitalization (in million U.S. dollars)*

Major rare earth companies outside China by market capitalization 2019

Source and methodology information

Source(s)	MiningFeeds
Conducted by	MiningFeeds
Survey period	as of December 5, 2019
Region(s)	Worldwide
Number of respondents	<i>n.a.</i>
Age group	<i>n.a.</i>
Special characteristics	<i>n.a.</i>
Published by	MiningFeeds
Publication date	December 2019
Original source	miningfeeds.com
Website URL	visit the website

Notes:

* Market capitalization as of December 5, 2019. Only companies outside of China are included. Original values are in Canadian dollars. All figures are converted based on the exchange rate as of December 5, 2019.

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Lynas Corporation's revenue from 2009 to 2019 (in million U.S. dollars)*

Lynas Corporation's revenue 2009-2019

Source and methodology information

Source(s)	Lynas Corporation
Conducted by	Lynas Corporation
Survey period	2008 to 2018
Region(s)	Worldwide
Number of respondents	<i>n.a.</i>
Age group	<i>n.a.</i>
Special characteristics	<i>n.a.</i>
Published by	Lynas Corporation
Publication date	September 2019
Original source	Lynas Corporation - Annual Report 2019, page 22
Website URL	visit the website

Notes:

* All figures as at June 30 of each year. Values are converted from Australian dollars into U.S. dollars (currency exchange rate: as at June 30 of each year). This statistic was assembled from several editions of the report. ** Restated.

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Total rare earth oxide production worldwide excluding China from 2009 to 2025 (in metric tons)

Forecast of rare earth oxide production globally excluding China 2009-2025

Source and methodology information

Source(s)	Stormcrow
Conducted by	Stormcrow
Survey period	2009 to 2014
Region(s)	Worldwide
Number of respondents	<i>n.a.</i>
Age group	<i>n.a.</i>
Special characteristics	<i>n.a.</i>
Published by	Stormcrow
Publication date	November 2014
Original source	Initiating Sector Coverage: The Rare Earths Market Keeps Changing, November 2014, page 7
Website URL	visit the website

Notes:

* From 2015 on all values are forecasted.

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Total rare earth oxide demand worldwide excluding China from 2009 to 2025 (in metric tons)*

Forecast of rare earth oxide demand globally excluding China 2009-2025

Source and methodology information

Source(s)	Stormcrow
Conducted by	Stormcrow
Survey period	2009 to 2014
Region(s)	Worldwide
Number of respondents	<i>n.a.</i>
Age group	<i>n.a.</i>
Special characteristics	<i>n.a.</i>
Published by	Stormcrow
Publication date	November 2014
Original source	Initiating Sector Coverage: The Rare Earths Market Keeps Changing, page 7
Website URL	visit the website

Notes:

* Latent demand. From 2015 on all figures are forecasted.

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Forecast of rare earth oxide prices worldwide from 2014 to 2025*

Global price forecast of rare earth oxides 2014-2025

Source and methodology information

Source(s)	Stormcrow
Conducted by	Stormcrow
Survey period	2014 and 2015
Region(s)	Worldwide
Number of respondents	<i>n.a.</i>
Age group	<i>n.a.</i>
Special characteristics	<i>n.a.</i>
Published by	Stormcrow
Publication date	January 2015
Original source	Update Note: Chinese Export Quotas on Rare Earts are Abolished, page 4
Website URL	visit the website

Notes:

* Base case prices. 2014 estimated, 2018-2025 forecasted.

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Compound annual growth rate (CAGR) of rare earth metals worldwide between 2016 and 2021, by application

Global rare earth metals CAGR by application 2016-2021

Source and methodology information

Source(s)	TechNavio; Business Wire
Conducted by	TechNavio
Survey period	2016
Region(s)	Worldwide
Number of respondents	<i>n.a.</i>
Age group	<i>n.a.</i>
Special characteristics	<i>n.a.</i>
Published by	Business Wire
Publication date	April 2017
Original source	businesswire.com
Website URL	visit the website

Notes:

n.a.

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Forecast consumption volume distribution of rare earths worldwide in 2028, by application

Global consumption forecast distribution of rare earths by application 2018

Source and methodology information

Source(s)	Argus Media
Conducted by	Argus Media
Survey period	2018
Region(s)	Worldwide
Number of respondents	<i>n.a.</i>
Age group	<i>n.a.</i>
Special characteristics	<i>n.a.</i>
Published by	Argus Media
Publication date	January 2019
Original source	Rare Earth Market Overview, pdf page 28
Website URL	visit the website

Notes:

n.a.

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