

Banco de Dados da Mineração Mundial

Bamburra and Raw Materials Group – RMG
formalizaram uma aliança estratégica.

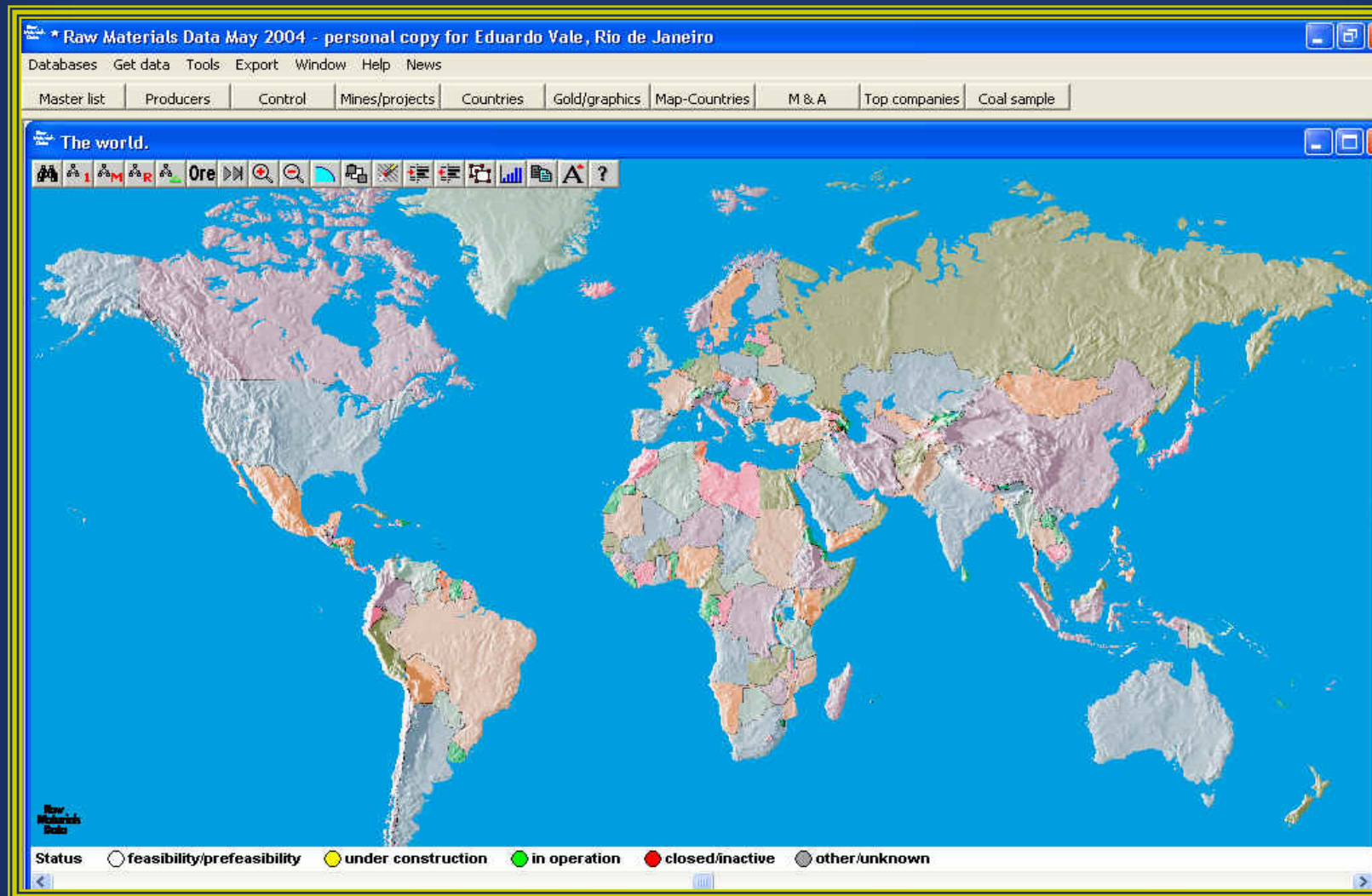
No contexto dessa parceria Bamburra está promovendo o renomado Banco de Dados do **RMG** sobre a Mineração Global.

O Banco de Dados compreende:

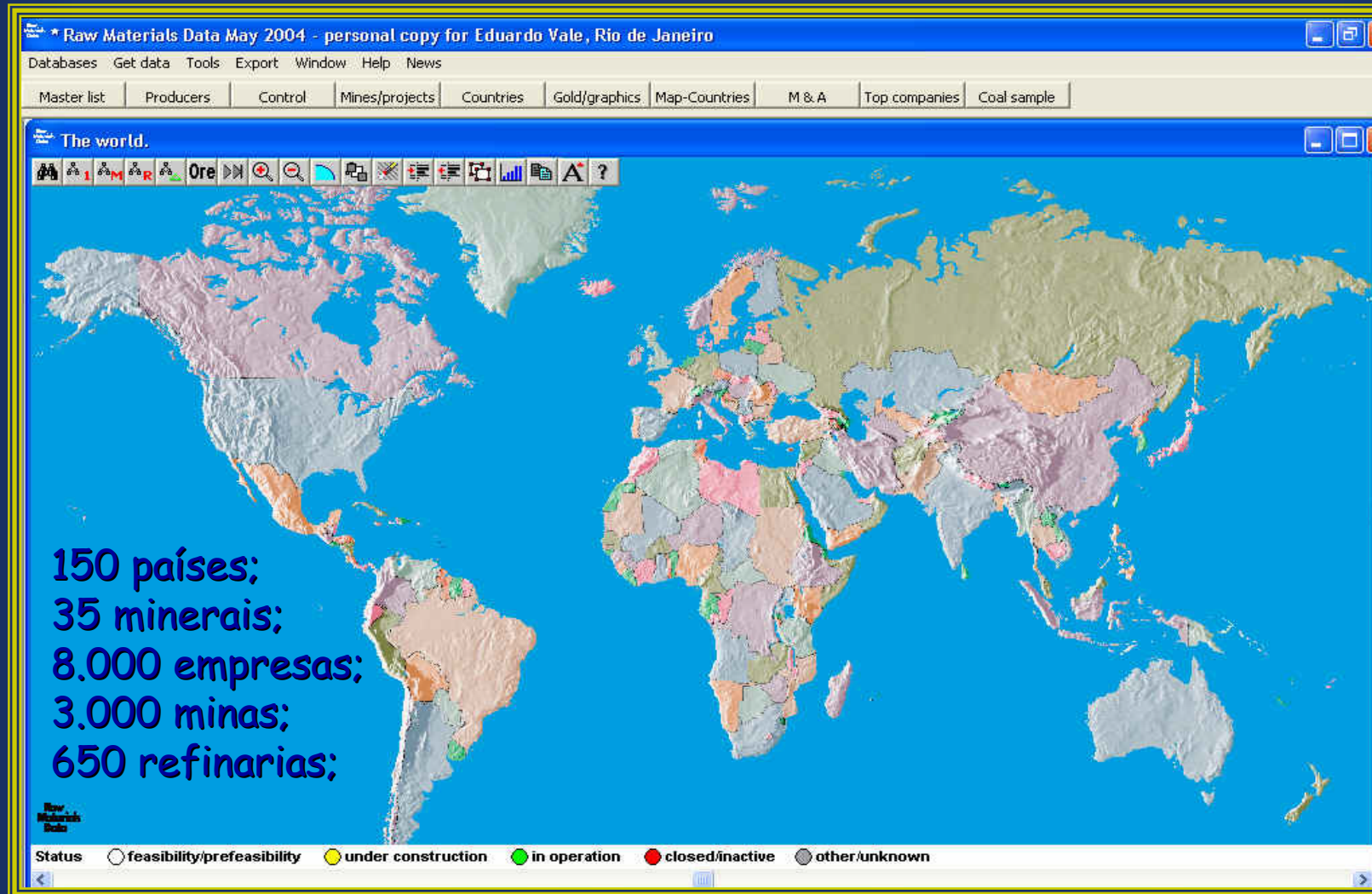
- ➡ 35 bens minerais;
- ➡ 150 países;
- ➡ 8,000 companhias;
- ➡ 3,000 minas & 650 refinarias.

Visualize algumas telas selecionadas.

RMG DataBase



RMG DataBase



RMG DataBase

The screenshot displays the RMG DataBase software interface. The main window, titled "Raw Materials Data May 2004 - personal copy for Eduardo Vale, Rio de Janeiro", features a menu bar (Databases, Get data, Tools, Export, Window, Help, News) and a toolbar with icons for Master list, Producers, Control, Mines/projects, Countries, Gold/graphics, Map-Countries, M & A, Top companies, and Coal sample. The main area shows a world map with a toolbar above it containing icons for map navigation and data display. A dialog box titled "Raw Materials Data May 2004 - personal copy for Eduardo Vale, Rio de Janeiro - [Raw Materials Mines and Projects.]" is open, showing options for "Mine/project list with basic options" and "Fully manual setup of list". The dialog box also includes a checkbox for "Do not show this window automatically again, always go to Fully manual setup".

150 países;
35 minerais;
8.000 empresas;
3.000 minas;
650 refinarias;

Status ☐ feasibility/prefeasibility ☐ under construction ☐ in operation ☐ closed/inactive ☐ other/unknown

RMG DataBase

*** Raw Materials Data May 2004 - personal copy for Eduardo Vale - Rio de Janeiro**

Databases Get data Tools Export Window

Master list Producers Control M

The world.



150 países;
35 minerais;
8.000 empresas;
3.000 minas;
650 refinarias;

*** Raw Materials Data May 2004 - personal copy for Eduardo Vale - Rio de Janeiro - [Raw Materials Mines and Projects.]**

Databases News Window Help

Master list Producers Control Mines/projects Countries Gold/graphics Map-Countries M & A Top companies Coal sample

Select the columns to include in the table

Basic columns	Extended columns	Ore and metal grade columns
# (record number)	Copper prod 2002 (metal content)	Ore resources (Mt)
Mine name (short)	Copper prod 2003 (metal content)	- resource: g/t Au
Mine name (full)	Gold prod 2002 (metal content)	- resource: g/t Ag
Country	Gold prod 2003 (metal content)	- resource: % Cu
State/province	Nickel prod 2002 (metal content)	- resource: % Mo
State/province (abbr.)	Nickel prod 2003 (metal content)	- resource: % Zn
World region	Lead prod 2002 (metal content)	- resource: % Pb
World region (abbr.)	Lead prod 2003 (metal content)	- resource: % Ni
Information year	Zinc prod 2002 (metal content)	- resource: % Co
Mine status	Zinc prod 2003 (metal content)	- resource: g/t PGM
Mine status (code)	Project cost (M USD)	- resource: % Fe
Mine type	Project completed	- resource: % Mn
Main metal	Project on hold	- resource: % Cr
Metal 2	Cut-off %	- resource: % U308
Metal 3	Cut-off metal	- resource: ct/t diamond
Metal 4	Strip ratio	Contained Au in resources (tonnes)
Metal 5	Mill capacity	Ore reserves (Mt)
Mine opening year	Recovery method	- reserves: g/t Au
Mine closure year	Expected annual ore prod (Mt)	- reserves: g/t Ag
Mine life	Expected annual metal capacity	- reserves: % Cu
Mine/project controlled by	Geological age	- reserves: % Mo
Notes	Geological setting	- reserves: % Zn
	Geological environment	- reserves: % Pb
	Geological model	- reserves: % Ni

Clear selection Select all Basic selection ? OK

Status ☐ feasibility/prefeasibility ☐ under construction ☐ in operation ☐ closed/inactive ☐ other/unknown

RMG DataBase

The screenshot displays the RMG DataBase software interface. The main window shows a world map with a legend at the bottom indicating mine status: feasibility/prefeasibility (white circle), under construction (yellow circle), and in operation (green circle). Overlaid on the map are two dialog boxes. The 'Select the columns' dialog lists various data fields under 'Basic columns', including record number, mine name, country, state/province, world region, information year, mine status, mine type, main metal, and various production and cost metrics for different years and quarters. The 'Select fields to include' dialog shows a list of selected fields, including production and cash cost for gold in 2003 and 2002, for various quarters and full years. A third dialog box on the right shows a list of elements and grades, including Au, Ag, Cu, Mo, Zn, Pb, Ni, Co, PGM, Fe, Mn, Cr, U308, and diamond.

150 países;
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Status ☐ feasibility/prefeasibility ☐ under construction ☐ in operation

Mineradores de Pt

RMG DataBase

* Raw Materials Data May 2004 - personal copy for Eduardo Vale, Rio de Janeiro - [Platinum mine producers. Sorted by country + producer na

Databases Find Get data Tools Print-export Window Help

Master list Producers Control Mines/projects Countries Gold/graphics Map-Countries M & A Top companies Coal sample

Country	Full name	Status	Type	Prod 2001 (t)	Prod 2002 (t)	Prod 2003 (t)	Controlled by (end-2003)	Main metal
Australia	= total national production			0,17	0,18	0,18		
Botswana	Phoenix Nickel Mine	Operating, exp,	OP	-	-	0,17	Lionore	Ni
Botswana	Tati Nickel Mining Co	Active	OP,UG	0,04	0,09	-	Lionore	
Botswana	= total, identified by producer in country			0,04	0,09	0,17		
Canada	Falconbridge Sudbury Nickel/Copper Mines	Operating	UG	1,20e	1,50e	1,20e	Noranda	Ni
Canada	Inco Sudbury and Thompson Nickel/Copper	Operating, exp,	UG	5,50	5,90	2,60	Inco	Ni
Canada	Lac des Iles PGM Mine	Operating	OP	0,33	0,60	0,74	N Am Palladium	Pd
Canada	= total, identified by producer in country			7,03	8,00	4,54		
Canada	= total national production			7,00	7,60	4,50e		
Russia	Komsomolsk Nickel/Copper Mine	Operating	UG	..	4,00e	3,50e	Norilsk Nickel	Ni
Russia	Medvezhy Rucheu Nickel Mines	Operating	OP	..	1,00e	1,00e	Norilsk Nickel	Ni
Russia	Norilsk Nickel Mines	Operating	UG	20,00e	-	-	Norilsk Nickel	Ni
Russia	Oktyabrsky Nickel/Copper Mine	Operating	UG	..	10,00e	9,00e	Norilsk Nickel	Ni
Russia	Taimyrsky Nickel/Copper Mine	Operating	UG	..	3,00e	3,00e	Norilsk Nickel	Ni
Russia	Zapolyarny (Norilsk) Nickel Mine	Operating	UG	..	1,50e	1,50e	Norilsk Nickel	Ni
Russia	= total, identified by producer in country			20,00	19,50	18,00		
Russia	= total national production			20,00	20,00	18,00e		
South Africa	Amandelbult Section PGM Mine	Operating	UG	21,13	22,11	19,74	Anglo American	Pt
South Africa	Bafokeng-Rasimone PGM Mine	Operating, exp,	OP,UG	4,05	5,04	5,52	Anglo American, Royal Ba	Pt
South Africa	Crocodile River PGM Mine	Suspended	OP,UG	0,50e	1,10e	0,50e	Implats	Pt
South Africa	Impala Platinum Mines	Operating	UG	30,90	27,70	32,30	Implats	Pt
South Africa	Kroondal Platinum Mine	Operating, exp,	OP,UG	3,52	4,16	4,13	Aquarius, Implats	Pt
South Africa	Lebowa (Atok) PGM Mine	Operating, exp,	UG	2,77	3,17	3,27	Anglo American	Pt
South Africa	Lonmin Platinum Division Mines	Operating		22,29	23,56	29,02	Lonmin, Implats	Pt
South Africa	Marikana Platinum Mine	Operating	OP,UG	-	-	1,57	Aquarius, Implats	Pt
South Africa	Modikwa PGM Mine	Operating	UG	-	0,78	2,68	Anglo American	Pt
South Africa	Nkomati Polymetallic Mine	Operating, exp,	UG	0,30e	0,30e	0,40e	Harmony, Anglo American	Ni
South Africa	Northam (Zondereinde) PGM Mine	Operating	UG	5,30e	6,00e	6,60e	Anglo American, Sexwale	Pt

Pt – Empresas Controladoras

Raw Materials Data May 2004 - personal copy for Eduardo Vale, Rio de Janeiro - [Platinum mining 2002. Controlling companies. Normal method. ...

Databases Find Get data Tools Print-export Window Help What-if

Master list Producers Control Mines/projects Countries Gold/graphics Map-Countries M & A Top companies Coal sample

Rank world 2002	Company name	Address	Web site	Currency	Revenue 2002	Assets 2002	Net profit 2002
1	Anglo American plc	20 Carlton House Terrace, London SW1Y 4PU	www.angloamerican.co.uk	M USD	20 497.000	33 581.000	1 759.000
2	Impala Platinum Holdings Ltd	PO Box 61386, Marshalltown 2107	www.implats.co.za	M ZAR	11 900.000	14 772.000	4 580.000
3	Norilsk Nickel (MMC) JSC	22 Voznesensky Pereulok, 103009 Moscow	www.nornik.ru	M RUB	98 318.000	309 629.000	18 567.000
4	Lonmin plc	4 Grosvenor Place, London SW1X 7DL	www.lonmin.com	M USD	697.000	1 363.000	184.000
5	Inco Ltd	145 King Street W #1500, Toronto ON M5X 1C5	www.inco.com	M USD	2 201.000	8 577.000	-1 482.000
6	Stillwater Mining Co	536 E. Pike Avenue, Columbus MT 59001	www.stillwatermining.com	M USD	275.600	914.214	31.700
7	Aquarius Platinum Ltd	Lvl 4, Suite 5, South Shore Centre, 85 West Street, Durban 4001	www.aquariusplatinum.co.za	M USD	94.922	266.070	21.770
8	Sexwale family						
9	Royal Bafokeng Nation	PO Box 1, 0335 Phokeng					
10	Noranda Inc	181 Bay St #200, BCE Place, Toronto ON M5H 2Y4	www.noranda.com	M USD	3 873.000	7 102.000	-447.000
11	North American Palladium Ltd	130 Adelaide St West #2116, Toronto ON M5H 3P8	www.napalladium.com	M CAD	176.773	410.833	15.135
12	African Rainbow Minerals Gold Ltd	PO Box 786136, Sandton, Gauteng 2146	www.armgold.com				
13	Anglovaal Mining Ltd	PO Box 62379, Marshalltown 2107	www.avmin.co.za	M ZAR	4 047.000	8 786.000	-866.000
14	Lionore Mining International Ltd	20 Toronto Street, Toronto ON M5C 2E1	www.lionore.com	M USD	62.838	342.292	2.675
15	Rio Tinto plc	6 St James's Square, London SW1Y 4AL	www.riotinto.com	M USD	10 828.000	20 204.000	651.000

Minas & Projetos

Raw Materials Data May 2004 - personal copy for Eduardo Vale, Rio de Janeiro - [Mines/projects. Filter: operating feasibility con

Databases Find Get data Tools Print-export Window Help

Master list Producers Control Mines/projects Countries Gold/graphics Map-Countries M & A Top companies Coal sample



#	Name (short)	Country	Info year	Status	Type	Main met-al	Met-al 2	Controlled by
364	Vueltas del Rio	Honduras	2003	Operating	OP	Au		Defiance
365	Recsk	Hungary	2000	Suspended	UG	Au		State of Hungary
366	Hutti Gold	India	2003	Operating	UG	Au		State of India
367	Awak Mas	Indonesia	1999	Feasibility	OP	Au		JCI, JCI
368	Batu Hijau	Indonesia	2003	Operating	OP	Au	Cu	Newmont Mining, Sumitomo Corp, F
369	Cibaliung	Indonesia	2003	Feasibility		Au		HMH, Antam
370	Cikidang	Indonesia	2002	Operating	UG	Au		Antam
371	Grasberg	Indonesia	2003	Operating, exp/plan	OP,UG	Cu	Au	FCX
372	Kelian Gold	Indonesia	2003	Operating, exp/plan	OP	Au		Rio Tinto plc
373	Minahasa	Indonesia	2003	Operating	OP	Au		Newmont Mining
374	Mirah	Indonesia	2000	Construction	OP	Au	Ag	Eddabridge, Idaman Kasongan, PT
375	Pongkor	Indonesia	2003	Operating	UG	Au	Ag	Antam
376	Toka Tindung	Indonesia	2003	Feasibility	OP	Au	Ag	Archipelago
377	Way Linggo	Indonesia	1999	Feasibility	UG	Au	Ag	Icon Enterprises
378	Agh Darreh	Iran	2001	Feasibility	OP	Au		Zarcan
379	Mouteh	Iran	2002	Operating	OP	Au		Iran Gold Co
380	Furtei	Italy	2002	Operating	OP	Au		GM of Sardinia, Sargold
381	Hishikari	Japan	2003	Operating	UG	Au		SMM
382	Toyoha Mine	Japan	2003	Operating	UG	Zn	Ag	Nippon Mg Hold
383	Bakyrchik Mine	Kazakhstan	2002	Operating	OP	Au		Ivanhoe, State of Kazakhstan
384	Bolshevik	Kazakhstan	2003	Feasibility	OP	Au		Altyn Aimak
385	Central Mukur	Kazakhstan	2002	Operating	OP	Au		Thistle Mining
386	Kazakhaltyn	Kazakhstan	1999	Operating		Au		Askam
387	Leninogorsk	Kazakhstan	2001	Operating		Au		Glencore, State of Kazakhstan
388	Maleyevsky	Kazakhstan	2000	Operating, exp/plan	UG	Zn	Ag	Glencore, State of Kazakhstan

Carvão: minas & projetos

* Raw Materials Data May 2004 - personal copy for Eduardo Vale, Rio de Janeiro - [Mines/projects. Sorted by short name. Coloured by status.]

Databases Find Get data Tools Print-export Window Help

Master list Producers Control Mines/projects Countries Gold/graphics Map-Countries M & A Top companies Coal sample

#	Name (short)	Country	Info year	Status	Type	Controlled by	Coalfield	Coal class	Coal type	Reserves (Mt)	Vols (%)	Cap t/hr	Cap Mt/yr
1	Adaro Coal Mine	Indonesia	2003	Operating	OP	New Hope Corp, Asmin	Selatin & Timur	Sub-Bitumino	High Vol.	600.0	42		22.0
2	Alliance Coal	Australia	2003	Operating	OP	AMCI, Leighton Hold	Bowen Basin	Bituminous	Med. Vol.		28-30		
3	Antelope Coal	USA	2003	Operating	OP	Rio Tinto plc	Powder River Ba	Sub-Bitumino					
4	Bengalla Coal	Australia	2003	Operating	OP	Rio Tinto plc	Hunter						
5	Bentala Coal	Indonesia	2003	Operating	OP	Bentala	Selatin & Timur	Sub-Bitumino	High Vol.	100.0			
6	Blackwater metal	Australia	2003	Operating	OP	BHP Billiton Gr, Mitsubi	Bowen Basin	Bituminous	Med. Vol.	100.0	26.5		7.0
7	Blackwater therm	Australia	2003	Operating	OP	BHP Billiton Gr, Mitsubi	Bowen Basin	Bituminous	Med. Vol.	100.0	26.5		7.0
8	Blair Athol	Australia	2003	Operating	OP	Rio Tinto plc, Unisuper,	Bowen Basin	Bituminous	Med Vol.	78.0	27.2		
9	Bontang	Indonesia	2003	Operating	OP	Banpu	Selatin & Timur			50.0			3.5
10	Boundary Hill	Australia	2003	Operating	OP	Anglo American	Callide Basin	Sub-Bitumino	Sub-Bit. C	41.0	25.3		
11	Bukit Baiduri	Indonesia	2003	Operating	OP	Nursalim fam	Selatin & Timur	Sub-Bitumino	High Vol.				3.0
12	Burton metallurg	Australia	2003	Operating	OP	E.On, VEW	Bowen Basin			54.0			2.0
13	Burton thermal	Australia	2003	Operating	OP	E.On, VEW	Bowen Basin			84.0			3.0
14	Busang	Indonesia	2003	Operating	OP	Napan, New Hope Corp,	Selatin & Timur	Sub-Bitumino	High Vol.	120.0	40		3.0
15	Callide	Australia	2003	Operating	OP	Anglo American	Callide Basin	Sub-Bitumino	Sub-Bit. C	147.0	23.7		
16	Collinsville Met	Australia	2003	Operating	OP	Xstrata, Itochu, Sumit	Bowen Basin	Bituminous	Med. Vol.	15.0	26		
17	Collinsville The	Australia	2003	Operating	OP	Xstrata, Itochu, Sumit	Bowen Basin	Bituminous	Med. Vol.	26.0	23		
18	Colowyo	USA	2003	Operating	OP	Rio Tinto plc		Sub-Bitumino					6.0
19	Commodore Coal	Australia	2003	Operating	OP	Interger, Marubeni	Moreton Basin						3.6
20	Cook Coal Mine	Australia	2003	Operating	UG	Xstrata, Centennial Co.	Bowen Basin				24.5		1.0
21	Coppabella metal	Australia	2003	Operating	OP	MacArthur Coal, AMCI,	Bowen Basin	Bituminous	Low Vol.	41.0	12		2.0
22	Coppabella therm	Australia	2003	Operating	OP	MacArthur Coal, AMCI,	Bowen Basin	Bituminous	Low Vol.	41.0	12		2.0
23	Cordero Rojo	USA	2003	Operating	OP	Rio Tinto plc	Powder River Ba	Sub-Bitumino					30.0
24	Crinum	Australia	2003	Operating	UG	BHP Billiton Gr, Mitsubi	Bowen Basin	Bituminous	High Vol.	54.0	33.5		3.5
25	Curragh metallur	Australia	2003	Operating	OP	Wesfarmers	Bowen Basin	Bituminous	Med. Vol.	40.0	21.5		2.5
26	Curragh thermal	Australia	2003	Operating	OP	Wesfarmers	Bowen Basin	Bituminous	Med. Vol.	60.0	19		3.5
27	Decker	USA	2003	Operating	OP	Kiewit, Rio Tinto plc		Sub-Bitumino					10.5
28	Douglas OP	South Africa	2003	Operating	OP	BHP Billiton Gr	Witbank	Bituminous	Med.Vol.	92.0	24.3		4.1
29	Douglas UG	South Africa	2003	Operating	UG	BHP Billiton Gr	Witbank	Bituminous	Med.Vol.	92.0	24.3		4.0
30	Ebenezer	Australia	2003	Suspended	OP	Idemitsu	Moreton Basin	Bituminous	High Vol.		9-45.7		
31	Embalut OP therm	Indonesia	2003	Operating	OP	Banpu	Selatin & Timur	Sub-Bitumino	High Vol.	20.0	39.5		
32	Embalut UG therm	Indonesia	2003	Operating	UG	Banpu	Selatin & Timur	Sub-Bitumino	High Vol.	10.0	39.5		

Perfil por País

RMG DataBase

* Raw Materials Data May 2004 - personal copy for Eduardo Vale, Rio de Janeiro - [Country data (for 2001). Sorted by country.]																	
Databases Find Get data Tools Print-export Window Help																	
Master list Producers Control Mines/projects Countries Gold/graphics Map-Countries M & A Top companies Coal sample																	
#	Country	World region	Area k km2	GNI G USD	GDP G USD	GDP/capita k USD	GDP growth %	Inflation %	Population 2001 Million	Population 2003 Million	Population growth %	% of world Au mine prod	% of world Ag mine prod	% of world Bauxite prod	% of world Cr mine prod	% of world Cu mine prod	% of world Ni mine prod
1	Afghanistan	Asia	647,500	-	-	-	-	-	27,248	28,717	2,59	-	-	-	-	-	-
2	Albania	Europe	28,750	13,3	4,1	1,2	6,48	2,80	3,441	3,582	0,87	-	-	-	0,81	-	-
3	Algeria	Africa	2381,740	159,1	53,0	1,7	1,90	0,12	30,894	32,819	1,61	0,01	0,01	-	-	-	1,17
4	Angola	Africa	1246,700	20,9	9,5	0,7	3,17	127,68	13,512	10,767	2,84	-	-	-	-	-	-
5	Argentina	Latin America	2766,890	438,0	268,8	7,2	-3,70	-1,85	37,478	38,741	1,20	1,16	0,42	-	-	1,40	-
6	Armenia	Europe	29,800	11,0	2,0	0,5	9,60	-1,22	3,809	3,326	0,16	0,07	-	-	-	0,12	-
7	Australia	Oceania	7686,850	499,9	368,6	19,0	2,39	3,43	19,387	19,732	1,06	10,80	11,14	38,99	-	6,55	2,27
8	Austria	Europe	83,850	220,0	188,7	23,2	1,05	1,74	8,124	8,188	0,17	-	-	-	-	-	2,20
9	Azerbaijan	Europe	86,600	24,5	5,7	0,7	9,03	3,12	8,114	7,831	0,81	-	-	-	-	-	-
10	Bahrain	Asia	0,620	-	-	-	-	-	0,714	0,667	3,32	-	-	-	-	-	-
11	Bangladesh	Asia	144,000	223,9	46,7	0,4	5,16	1,58	133,405	138,448	1,78	-	-	-	-	-	-
12	Barbados	North America	0,430	-	-	-	-	-	0,268	0,277	0,44	-	-	-	-	-	-
13	Belgium	Europe	30,510	289,8	227,6	22,2	0,97	2,40	10,273	10,289	0,21	-	-	-	-	-	-
14	Belize	Latin America	22,960	1,3	0,8	3,2	3,20	0,09	0,247	0,266	2,92	-	-	-	-	-	-
15	Belarus	Europe	207,600	80,1	12,1	1,2	4,10	78,03	9,971	10,322	-0,34	-	-	-	-	-	-
16	Benin	Africa	112,620	6,6	2,3	0,4	5,80	1,84	6,437	7,042	2,59	-	-	-	-	-	-
17	Bermuda	North America	0,050	-	-	-	-	-	-	0,065	-	-	-	-	-	-	-
18	Bolivia	Latin America	1098,580	20,2	8,0	0,9	1,03	1,55	8,516	8,586	2,22	0,47	2,35	-	-	-	-
19	Bosnia-Herce	Europe	51,233	-	4,8	1,2	6,00	3,96	4,060	3,989	2,07	-	-	0,02	-	-	-
20	Botswana	Africa	600,370	14,2	5,1	3,2	5,70	5,39	1,615	1,573	0,82	-	-	-	-	0,14	-
21	Brazil	Latin America	8511,965	1286,3	502,5	2,9	1,51	7,40	172,564	182,033	1,26	2,02	0,05	10,42	3,92	0,25	3,34
22	Brunei	Asia	5,770	-	-	-	-	-	0,345	0,358	2,15	-	-	-	-	-	-
23	Bulgaria	Europe	110,910	48,3	12,7	1,6	4,50	7,00	8,124	7,538	-0,53	0,06	0,11	-	-	0,59	0,05
24	Burkina Faso	Africa	274,200	11,8	2,3	0,2	5,71	3,44	11,553	13,229	2,44	0,08	-	-	-	-	-
25	Burundi	Africa	27,830	4,1	0,7	0,1	3,20	13,41	6,938	6,096	1,91	0,02	-	-	-	-	-
26	Central Africa	Africa	622,980	4,5	1,0	0,3	1,50	3,02	3,771	3,684	1,44	-	-	-	-	-	-
27	Cambodia	Asia	181,040	18,6	3,4	0,3	5,30	3,00	12,266	13,125	2,02	-	-	-	-	-	-
28	Cameroon	Africa	475,440	25,4	8,6	0,6	5,30	3,00	15,198	15,746	2,14	-	-	-	-	-	-
29	Canada	North America	9976,140	864,2	677,2	21,8	1,49	1,16	31,015	32,207	0,86	6,02	6,55	-	-	4,63	1,10
30	Cap Verde	Africa	4,030	2,2	0,6	1,3	3,30	4,02	0,454	-	2,88	-	-	-	-	-	-
31	Cayman Islan	Latin America	0,260	-	-	-	-	-	-	0,042	-	-	-	-	-	-	-
32	Chad	Africa	1284,000	7,4	1,6	0,2	8,87	7,71	7,917	9,254	2,85	-	-	-	-	-	-

Fusões & Aquisições

RMG DataBase

* Raw Materials Data May 2004 - personal copy for Eduardo Vale, Rio de Janeiro - [M & A. Sorted by year + object1 (target1).]

Databases Find Get data Tools Print-export Window Help

Master list Producers Control Mines/projects Countries Gold/graphics Map-Countries M & A Top companies Coal sample

#	Year	Announced month	Completed month	Buyer 1	Buyer 1 country	Seller 1	Seller 1 country	Share (%)	Object 1 (target1)	Object 1 country	Main metal	Value (local) M	Currency	Estimate	Value (USD) M	Deal failed
33	2004	04	05	LNM Group	UK	Zenica Steel RM	Bosnia-Herzegovina	51,0	Ljubija Iron Ore	Bosnia-Herzegovina	Fe			e		
34	2004	01		Nevada Pacific	Canada	Queenstake Res	Canada	100,0	Magistral Gold M	Mexico	Au	7,0	USD		7,0	
35	2004	03		n/a		MatlinPatterson	USA	35,0	Minara Resource	Australia		480,0	AUD		367,2	
36	2004	02		Southern Africa	UK	n/a		52,0	Molopo Farms Pl	Botswana	PGM	2,0	GBP		3,7	
37	2004	02		Breakwater Re	Canada	Boliden AB	Sweden	100,0	Myra Falls Polym	Canada	Base	67,0	SEK	e	9,1	
38	2004	05		Jubilee Platinu	UK	n/a		51,0	New Platinum Co	South Africa	PGM	2,6	GBP		4,7	
39	2004	04		Cambior Inc	Canada	Sequoia Mineral	Canada	50,0	Niobec Inc	Canada	Niob	19,0	CAD		14,4	
40	2004	01		Minara Resource	Australia	Western Metals	Australia	62,0	NiWest Ltd	Australia	Ni	2,7	AUD		2,1	
41	2004	02		Anglovaal Minir	South Africa	Anglo American	UK	25,0	Nkomati Polyme	South Africa	Ni	37,0	USD		37,0	
42	2004	02	02	Anglovaal Minir	South Africa	Anglo American	UK	25,0	Nkomati Polyme	South Africa	Ni	37,0	USD		37,0	
43	2004	03	04	Century Alumin	USA	Columbia Ventu	USA	100,0	Nordural (Grund	Iceland	Al	175,0	USD		175,0	
44	2004	04		Tiberon Minera	Canada	Hanoi General Ir	Vietnam	7,5	Nui Phao Tungst	Vietnam	W	3,1	USD		3,1	
45	2004	01	01	Mineral Resour	Papua New Guir	Durban Roodepo	South Africa	5,0	Porgera Gold Mi	Papua New G	Au	22,5	USD		22,5	
46	2004	03		Alcan Inc	Canada	n/a		50,0	Qing Tongxia Al	China	Al	150,0	USD		150,0	
47	2004	01	03	Resolute Minin	Australia	Xstrata plc	Switzerland	100,0	Ravenswood Gol	Australia	Au	45,0	USD		45,0	
48	2004	05		Mvelaphanda H	South Africa	n/a		55,0	Rebserve Holdin	South Africa	Vario	2300,0	ZAR		339,8	
49	2004	04		Agnico Eagle Mi	Canada	n/a		13,1	Riddarhyttan Re	Sweden	Au	83,8	SEK	e	11,4	
50	2004	01		J & W Holding A	Switzerland	n/a		85,0	Roan Antelope M	Zambia	Cu	7,5	USD		7,5	
51	2004	03		Rio Narcea Gol	Canada	n/a			Salave Gold Dep	Spain	Au		CAD	e		
52	2004	01		Eurozinc Mining	Canada	Empresa de Des	Portugal	100,0	Sdade Mineira d	Portugal	Cu	115,0	EUR	e	143,7	
53	2004	03		Kazzink	Kazakhstan	ZincOx Resource	UK	95,0	Shaimerden Zinc	Kazakhstan	Zn	7,5	USD		7,5	
54	2004	05	05	Century Mining	Canada	McWatters Minir	Canada	100,0	Sigma Gold Mine	Canada	Au	25,9	CAD		19,6	
55	2004	01	01	Vedanta Resou	UK	n/a		5,0	Sterlite Industri	India	Diver	57,0	USD		57,0	
56	2004	04		Vedanta Resou	UK	n/a		2,4	Sterlite Industri	India	Div	21,4	USD		21,4	
57	2004	04		Resolute Minin	Australia	Randgold Resou	South Africa	80,0	Syama Gold Min	Mali	Au	13,0	USD		13,0	
58	2004	04		Wolfden Resou	Canada	Kinross Gold Cor	Canada	100,0	Ulu Gold Deposit	Canada	Au					
59	2004	02		n/a		State of Kazakh	Kazakhstan	10,0	Ust-Kamenogor	Kazakhstan		5,0	USD	e	5,0	

Principais Empresas

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Raw Materials Data May 2004 - personal copy for Eduardo Vale, Rio de Janeiro - ["Top companies 2002". Mineral controlling companies. Normal ...

Databases Find Get data Tools Print-export Window Help

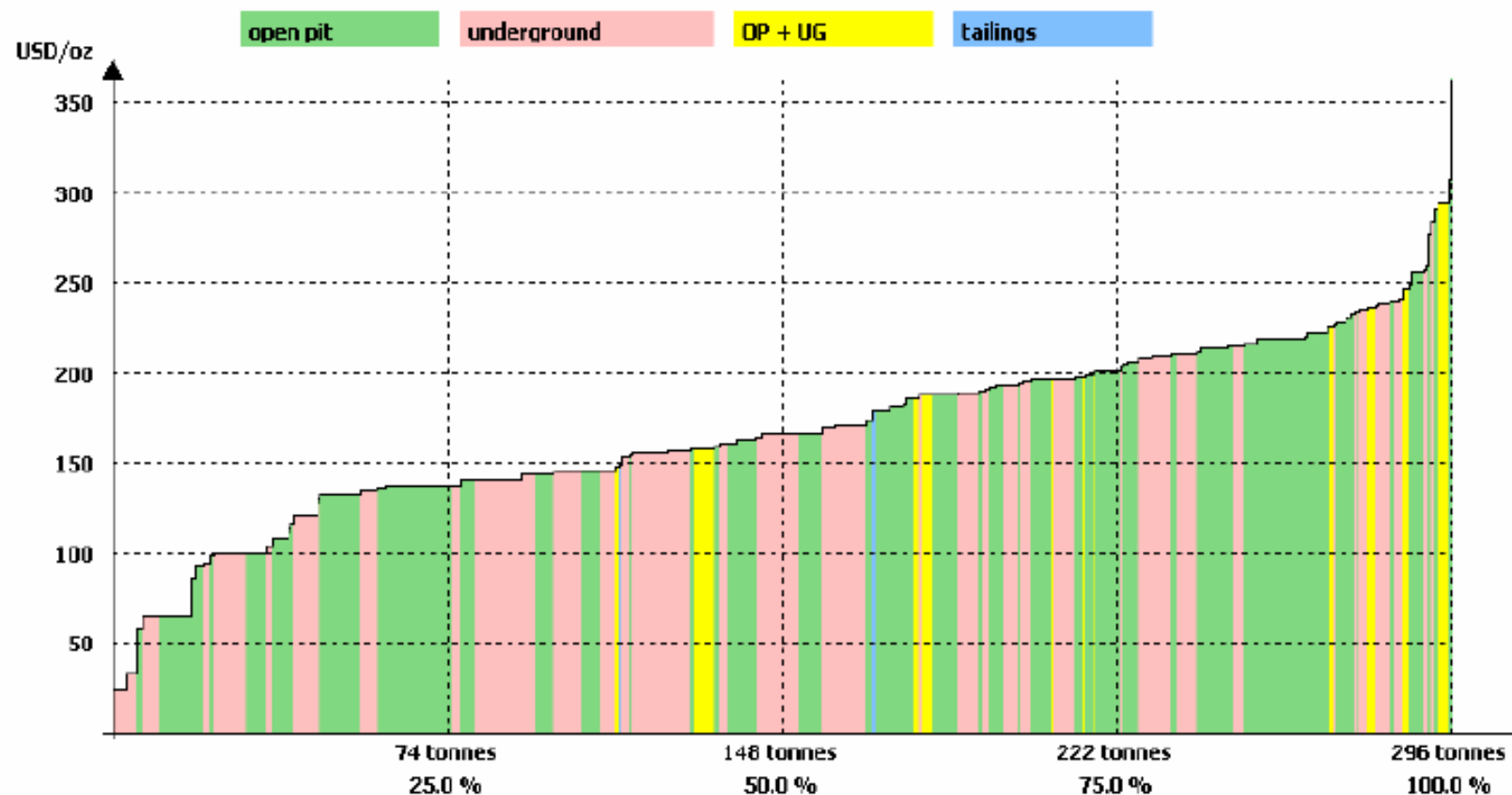
Master list Producers Control Mines/projects Countries Gold/graphics Map-Countries M & A Top companies Coal sample

Rank world 2002	Company name	Country	Share of world %	Address	Web site	Curr	Revenue 2002	Assets 2002	Net profit 2002
1	Anglo American plc	UK	4,247	20 Carlton House Terrace	www.angloamericar	M USD	20 497.000	33 581.000	1 759.000
2	Rio Tinto plc	UK	3,926	6 St James's Square, London	www.riotinto.com	M USD	10 828.000	20 204.000	651.000
3	BHP Billiton Group	Australia	3,520	600 Bourke Street, Melbourne	www.bhpbilliton.com	M USD	15 906.000	29 552.000	1 737.000
4	Cia Vale do Rio Doce	Brazil	2,812	Avenida Graca Aranha 2	www.cvr.com.br	M BRR	15 267.000	33 466.000	2 043.000
5	Newmont Mining Corp	USA	2,103	1700 Lincoln St, Denver	www.newmont.com	M USD	2 745.000	10 154.000	158.000
6	Norilsk Nickel (MMC) JSC	Russia	2,084	22 Voznesensky Pereulok	www.nornik.ru	M RUB	98 318.000	309 629.000	18 567.000
7	Corporacion Nacional del Cobre de Chile	Chile	1,755	Huerfanos 1270, 11th Floor	www.codelco.com	M USD	3 489.000	6 732.000	48.000
8	Anglogold Ltd	South Africa	1,536	PO Box 62117, 2101 Midrand	www.anglogold.com	M ZAR	19 267.000	33 998.000	3 444.000
9	Barrick Gold Corp	Canada	1,495	BCE Place, Canada Trust Tower	www.barrick.com	M USD	1 967.000	5 261.000	193.000
10	Freeport McMoran Copper & Gold Inc	USA	1,292	P O Box 51777, New Orleans	www.fc.com	M USD	1 910.462	4 192.193	164.654
11	Almazay Rossii Sakha	Russia	1,166	1st Kazachiy Pereulok 1	www.alrosa.ru	M RUB	59 119.000	126 611.000	2 491.000
12	Gold Fields Ltd	South Africa	1,148	Private Bag x30500, Johannesburg	www.goldfields.co.za	M ZAR	12 528.000	20 371.000	3 196.000
13	Phelps Dodge Corp	USA	1,094	One North Central Ave.,	www.phelps-dodge.com	M USD	3 722.000	7 039.000	-341.000
14	Noranda Inc	Canada	1,077	181 Bay St #200, BCE Place	www.noranda.com	M USD	3 873.000	7 102.000	-447.000
15	Grupo Mexico SA de CV	Mexico	1,040	Baja California 200, Mexico	www.gmexico.com	M USD	2 492.000	6 661.000	123.000
16	Placer Dome Inc	Canada	0,963	1600 - 1055 Dunsmuir Street	www.placerdome.com	M USD	1 209.000	3 985.000	116.000
17	Inco Ltd	Canada	0,957	145 King Street W #150	www.inco.com	M USD	2 201.000	8 577.000	-1 482.000
18	State of Botswana	Botswana	0,897		www.gov.bw/home				
19	State of Ukraine	Ukraine	0,886		www.kmu.gov.ua				
20	Harmony Gold Mining Co Ltd	South Africa	0,807	1st Floor, 4 The High Street	www.harmony.co.za	M ZAR	7 806.000	14 076.000	1 680.000
21	MIM Holdings Ltd	Australia	0,768	MIM Plaza, 410 Ann Street	www.xstrata.com	M AUD	4 043.000	6 317.000	88.000
22	Impala Platinum Holdings Ltd	South Africa	0,758	PO Box 61386, Marshall	www.implats.co.za	M ZAR	11 900.000	14 772.000	4 580.000
23	State of Russia	Russia	0,664		www.gov.ru/main/p				
24	WMC Resources Ltd	Australia	0,654	IBM Center Level 16, 60	www.wmc.com.au	M AUD	2 116.900	7 348.100	-43.700
25	Kumba Resources Ltd	South Africa	0,653	PO Box 9229, Pretoria 0	www.kumbaresources.com	M ZAR	7 182.000	10 208.000	984.000
26	State of Morocco	Morocco	0,649		www.mincom.gov.ma				
27	KGHM Polska Miedz SA	Poland	0,631	ul. Marii Sklodowskiej-J	www.kghm.pl	M PLN	4 463.000	8 155.072	249.000
28	Teck Cominco Ltd	Canada	0,631	#600 - 200 Burrard St,	www.teckcominco.com	M CAD	2 187.000	4 958.000	30.000
29	Steel Authority of India Ltd	India	0,628	Scope Minar, Laxmi Nagar	www.sail.co.in				
30	Mitsui & Co Ltd	Japan	0,619	2-1 Otemachi 1-chome,	www.mitsui.co.jp	M JPY	12 654 472.000	6 668 366.000	55 371.000
31	Potash Corp of Saskatchewan Inc	Canada	0,615	500-122 1st Avenue S,	www.potashcorp.com	M USD	1 913.800	4 685.600	53.600
32	Navoi Mining & Metallurgical Comb	Uzbekistan	0,498	27 Navoi St., Navoi 7066	www.ngmk.uz				
33	Antofagasta plc	UK	0,472	Park House, 16 Finsbury	www.antofagasta.co	M USD	863.100	2 458.300	96.800

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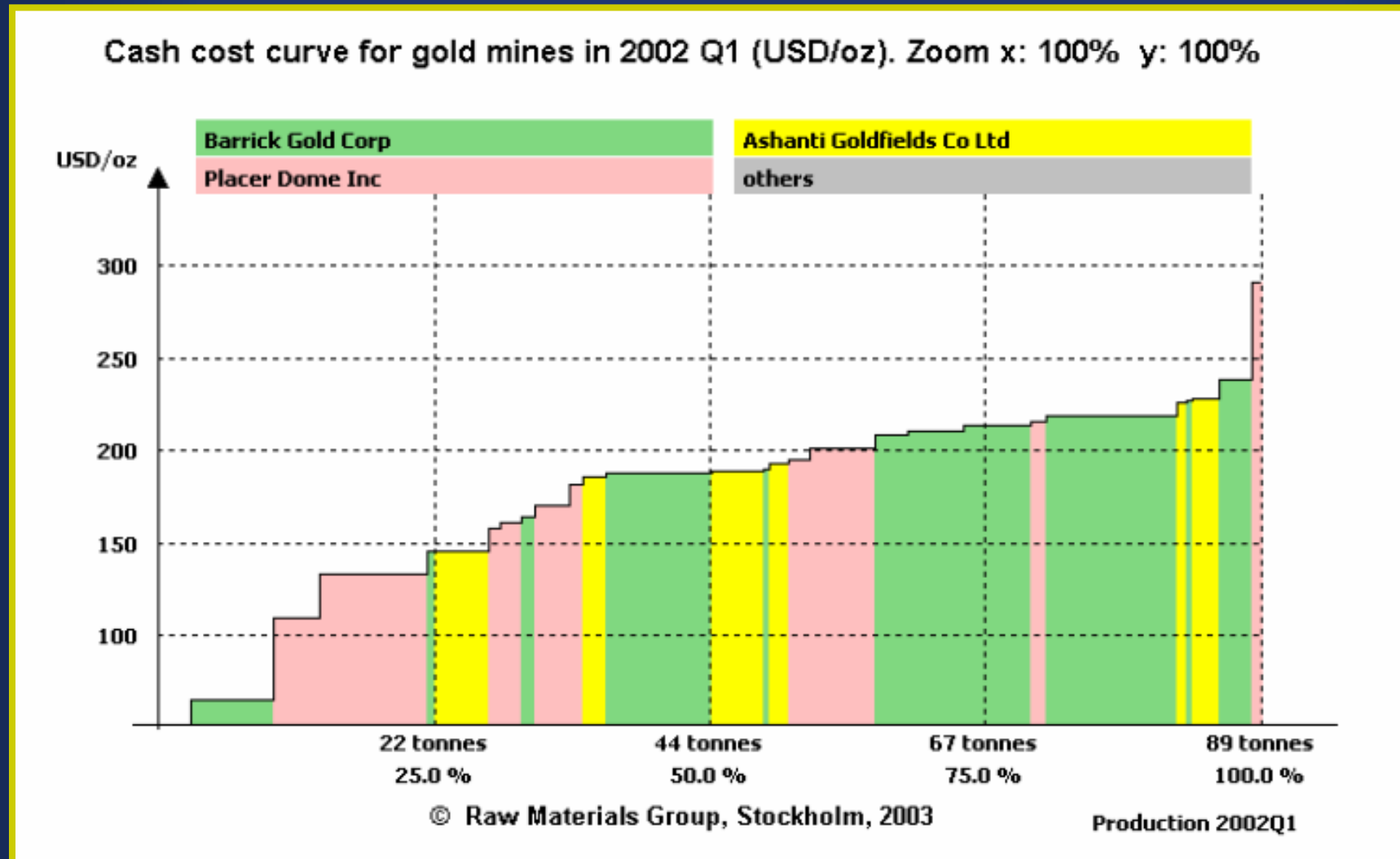
Au - Custos Desembolsáveis por Mina

Cash cost curve for gold mines in 2002 Q1 (USD/oz). Zoom x: 100% y: 100%

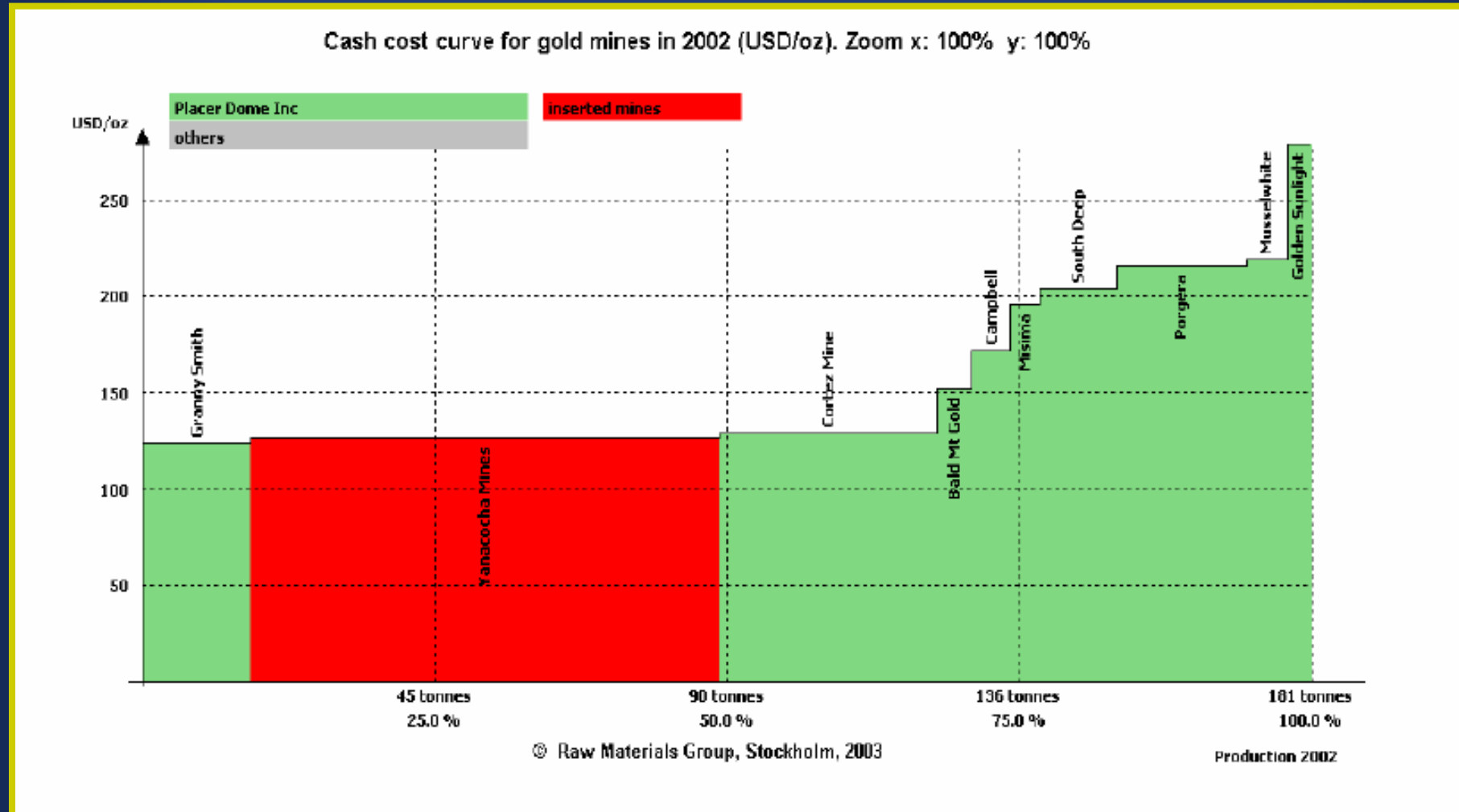


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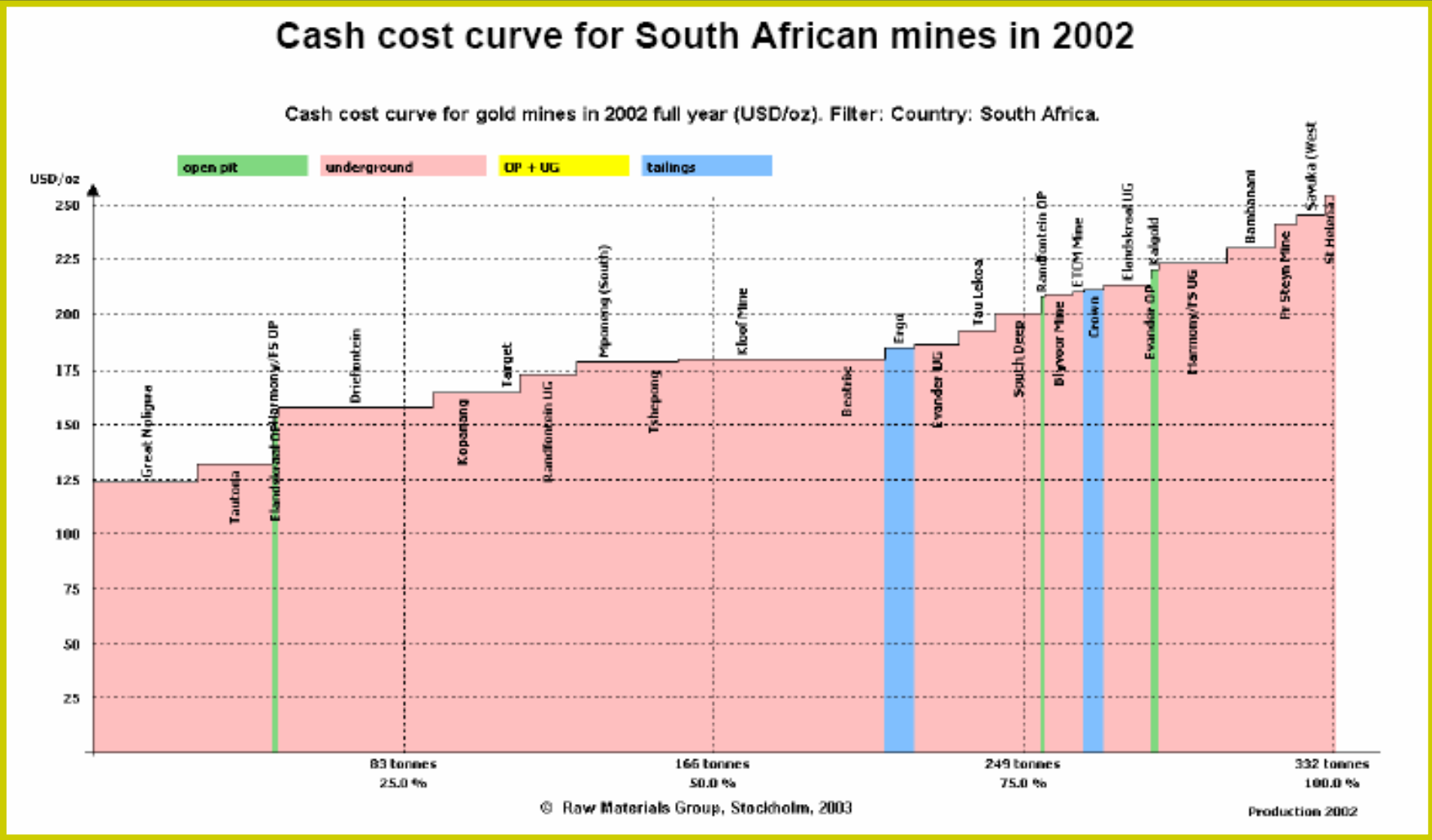
Au - Custos Desembolsáveis por Mina



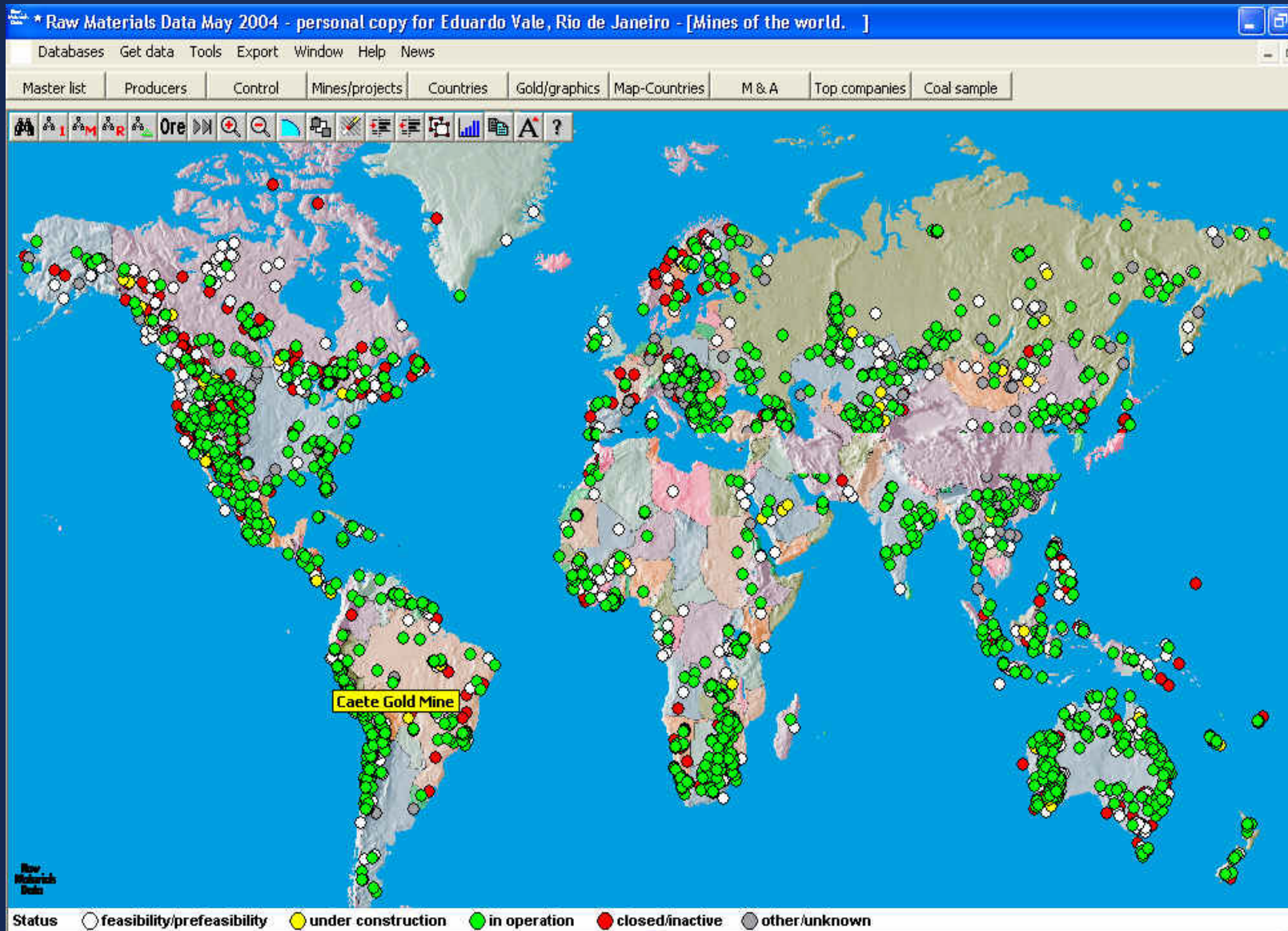
Au - Custos Desembolsáveis por Mina



Au - Custos Desembolsáveis na AS



RMG DataBase



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Raw Materials Data



What is it?

A comprehensive computer database; **37 minerals** and almost **15,000 mining entities**, i.e. mines, refineries, operating mining companies, holding companies and exploration companies. **Don't leave this site without a guided tour of this unique product!**

Published by:

Raw Materials Group, Stockholm A 1 year's subscription covers 4 quarterly updates (CDs) and support. It costs from US\$ 5880 for the first year and from US\$ 4700 for subsequent years

Who is it for?

Anyone involved in the mining industry from top equity researchers and investment bankers to the equipment makers, human resources executives and conference organisers. See highlights below.

Features

- Almost **15,000** mining and smelting entities
- Mines, refineries, mining companies, holding companies, exploration companies. Majors and juniors alike.
- 37 minerals covered - from Alumina to Zirconium, including all base and precious metals, iron ore and some industrial minerals (see guided tour for the full list)
- 30 selectable columns of data for each entity including:
 - contact details. **E-mail and website links, are live** - just double click to view the website of the selected company.
 - Annual **production figures** for all minerals going back to 1975*
 - Annual **financial data** on revenues, assets and net profits for the last 5 years.
 - Information on **mine** geology, **reserves**, **ore grades**, technology used, opening and closure dates, project cost etc.
 - Information on the **mine type** (open pit, underground) and the **status** (feasibility, operating, closed, etc).
 - Choice of reporting in **metric or imperial units**.
- Powerful sorting and filtering features (by type or stage of operation, mineral, geography, etc). Search by company name or **any part of a name**.
- Extensive **ownership trees**. Move up or down the ownership tree, with ease

examining data for any company shown.

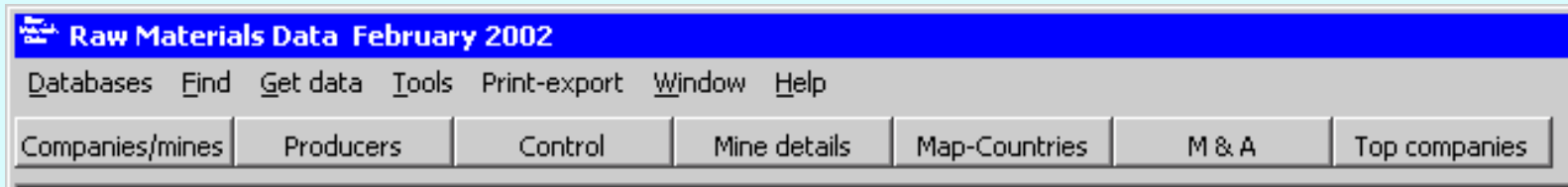
- **Controlled production:** see the production of a single mine or total production controlled by a major multinationals through its subsidiaries and joint ventures.
- Company **rankings** with their share of Western and World production.
- News section covering major events in major companies, plus general comments and company history.
- Individual **company statistics** and aggregated **country statistics**.
- Instant **cross referencing with the mapping section:** see selected mines on the map, or click on the map to see the widnows with all the data available on the clicked mine.
- **Powerful map features:** see selected producers on the map marked with circles proportional to the production. Circles are colour-coded for easy recognition of mines under construction and operating mines.
- **Zoom in and out** to see the desired level of detail.
- **Copy and paste maps with data** into your own documents.
- **Export data to spreadsheets** (.dbf format) for further analysis, or use in other applications via a Windows(TM) clipboard.
- Click this button  for a guided tour of the product.
- A partial [list of entities](#) in Raw Materials Data

How to order:

Contact Bill Geddes, Marketing Director, directly: *Cell phone +44 7966 502 063.*

 [Home](#)

Raw Materials Data Guided Tour



Introduction

Raw Materials Data is divided into five parts: companies, producers, control, mine details and maps. Click the links to the left to view individual sections.

To really appreciate its power you need to examine the live database. There is no substitute. However, this guided tour should give you a very good idea of what it is about. Because of its very nature this demonstration will not allow you to choose companies, but otherwise the tour is interactive - when you glide over the toolbars a 'TV screen' in the top left corner shows you the explanations and definitions of the individual icons. Clicking an icon will lead you to the next part of the database.

All screen shots used in the tour are genuine screens from a live database.

Not all data is available for all companies - it depends on their activity and on what information has been released publicly. As some companies are better than others in respect of dissemination of information, we used different companies for demonstrations of different features. Please bear in mind, that RMD is continuously being improved and updated. We tried to optimise the tour for fast downloading, but as its content is so graphics-intensive, some pages may take longer than others.

Companies / mines

This main section of the database lists all mines, refineries and companies for all 37 minerals. Here company details, such as address, subsidiaries, mine locations, and controlled production can be found.

Producers

In this section producers, i.e. mines of any selected mineral can be viewed in many different ways and using different sorting methods. Select a mineral, production year and columns to include info such as mine type, mine status, controlling company. Sorting can be done by rank, country, size of production and alphabetically.

Control

This section shows companies by mineral and the production they control. Tables for any metal can be built to list controlling companies in alphabetical order, by size of production, by country et al. This is the part of RMD where tables with the top 50 gold (or other metals) companies can be shown. In the **extended version** of Raw Materials Data it is possible to play what-if and see how the ranking and structure changes when a mine is sold, a company is acquired or production level is changed.

Mine Details

A list of mines for which information is provided in regard to reserves, resources, geology, mine type etc. Sort, search, export data. Choose a mine from the table, click the icon and view the details.

Map - Countries

Showing locations of mines, smelters and refineries as well as country mineral production. Clicking a mine or refinery creates a toolbar via which addresses, parents, subsidiaries etc can be found.

M & A (extended version only)

Mergers & acquisitions database. Data on virtually all mergers and acquisitions during the latest seven years with sorting, searching facilities, exportable, and of course fully integrated with the basic data such as ownership, production and mine details.

Top companies (extended version only)

Showing the top companies in the mining industry as a whole.

[Database Home](#)[continue ►](#)

[Partial list of entities in Raw Materials Data](#)

Companies

This is the main table of the database listing all the mines, refineries and companies for all 37 minerals. It has the most extensive toolbar. Therefore icons in this and other parts of the database are explained in this section only. You can choose which columns to display, e.g. which production years. You can also sort the table by country, status, type etc and you may filter out special groups such as operating mines in specific countries. Up to 8 filtering criteria may be applied.

To see more please glide your mouse pointer over the toolbar icons. You will see explanations in the top left 'TV screen'; click on any toolbar icon to see pop-up windows with real examples.

List of companies/mines/refineries etc. Sorted by full name of company/mine/refinery					
Full name	Country	Type	Status	1999 revenue	Currency
Homestake Canada Inc	Canada	Holding company	Operating		
Homestake Gold Mine	USA	Mine/deposit	Operating		
Homestake Gold of Australia Ltd	Australia	Holding company	Operating		
Homestake Mining Co	USA	Major company	Operating	671.600	M USD
Homestake Mining Co (Australia) Ltd	Australia	Holding company	Operating		
Homestead Minerals Inc	USA	Company	Operating		
Hondeklip Bay Diamond Mine	South Africa	Mine/deposit	Operating		

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Producers

When entering the 'Producers' section 'Table contents' will appear (see below). From that you can select:

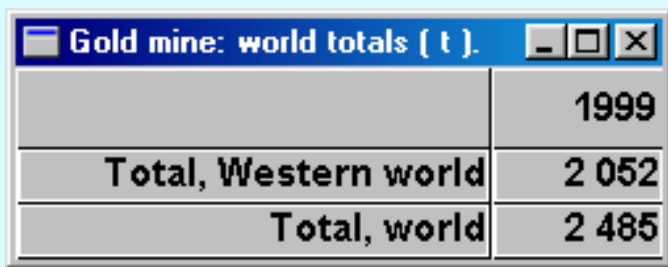
- the mineral on which you want to see the data,
- whether you want to see mine, smelter or refinery data
- production year(s)
- the columns to be displayed
- metric or imperial production units.

Table contents			
Production stage ☒ Mine ☐ Smelter ☐ Refinery		Production units ☒ Metric ☐ Imperial (oz, lbs)	
Select year(s) for production and/or capacity data		Columns to include	
Alumina Aluminium Antimony Asbestos Bauxite Beryllium Cadmium Chromite Cobalt Copper Diamond Ferrochrome Ferromanganese Gold Iron ore Lead Lithium Manganese ore Mercury Molybdenum Nickel Niobium Palladium		Phosphate rock Platinum Potash Rare earths Rhodium Silver Tantalum Tin Titanium Tungsten Uranium Vanadium Zinc Zirconium	
Prod 1975 Prod 1984 Prod 1985 Prod 1986 Prod 1987 Prod 1988 Prod 1989 Prod 1990 Prod 1991 Prod 1992 Prod 1993 Prod 1994 Prod 1995 Prod 1996 Prod 1997 Prod 1998 Prod 1999 Cap 1999 Cap 2000 Cap 2001 Cap 2002 Cap 2003 Cap 2004		Country State/province World region Full name Short name Status Type (OP/UG etc) Controlled by Opening year Closure year Address Telephone Fax E-mail Web site	
☐ Reserves, geology ☒ Ore production ☒ Cost (gold only)		OK	

Click OK and the following table with gold producers will appear (the resizable columns were slightly narrowed here to fit the browser window):

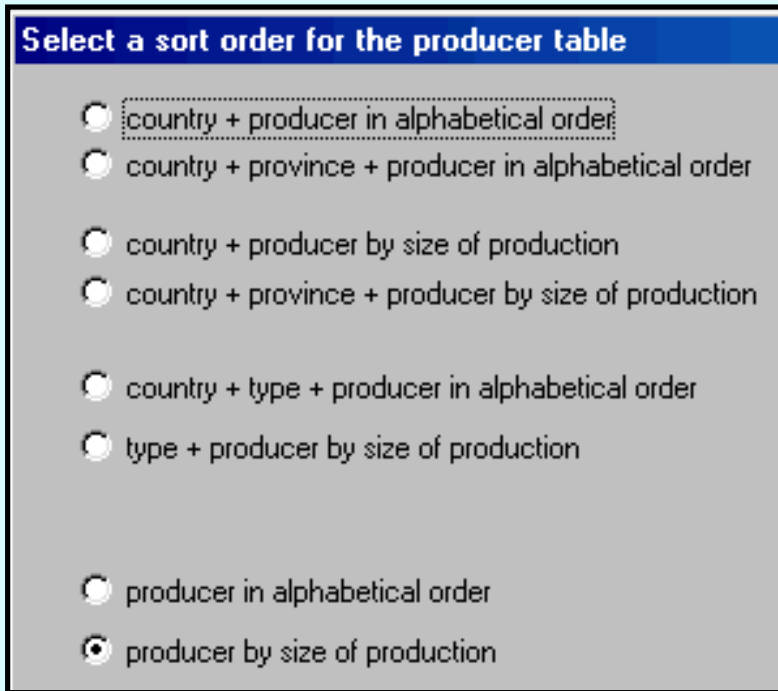
Gold mine producers [t]. Sorted by country + producer name						
Country	Short name	Type	Prod 1999	Controlled by	Ore prod 1999 g/t Au	Cost/oz 1999
Canada	New Britannia	Underground	3.00e	High River, TVX Gold, Normandy	4.30	216
Canada	Nugget Pond	OP and UG	1.35	Richmont Mining	9.33	138
Canada	Quarter Claim	Underground	1.40	Teck, Homestake Mining		
Canada	Seabee	Underground	1.68	Claude	7.34	168
Canada	Selbaie	Openpit	1.75	Billiton plc	0.64	
Canada	Sigma	OP and UG	2.55	McWatters Mining		243
Canada	Sleeping Giant	Underground	2.35	Aurizon, Cambior	12.00	211
Canada	Snip Mine	Underground	1.31	Homestake Mining	21.55	205
Canada	Troilus	Openpit	5.24	Inmet	1.26	231
Canada	Williams Mine	Underground	13.18	Homestake Mining, Teck	5.70	201
Canada	= total identified		156.26			
Canada	= total national		157.79			
Chile	Agua Falda	Underground	1.49	Homestake Mining, Codelco	7.43	189
Chile	Andacollo Gold	Openpit	4.20	Dayton Mining	0.93	204
Chile	Codelco	OP and UG	1.30e			
Chile	El Bronce Au	Underground	0.91	Coeur d'Alene		271
Chile	El Indio Mine	OP and UG	3.60e	Barrick	12.40	180
Chile	El Penon	OP and UG	0.64	Meridian Gold		100
Chile	El Toqui	Underground	0.15	Breakwater		
Chile	Escondida	Openpit	4.65	BHP, Rio Tinto plc, Mitsubishi, IFC		
Chile	Fachinal	OP and UG	0.79	Coeur d'Alene	1.90	304
Chile	Guanaco	Openpit	0.74	Kinross Gold		
Chile	La Candelaria	Openpit	4.00e	Phelps Dodge		
Chile	La Coipa	Openpit	2.51	Placer Dome, TVX Gold, Normandy	0.60	162
Chile	Refugio	Openpit	5.60	Bema Gold, Kinross Gold	0.98	277
Chile	Tambo	Openpit	6.30e	Barrick	2.80	192
Chile	= total identified		36.88			
Chile	= total national		45.66			

The yellow lines show the production totals of producers identified by us. The green bands show the country totals as provided by national sources. Clicking the 'Sigma'  button brings up a window with the world production of the selected mineral:



	1999
Total, Western world	2 052
Total, world	2 485

Data in the table can be sorted according to criteria combinations, as shown in the window below:



Select a sort order for the producer table

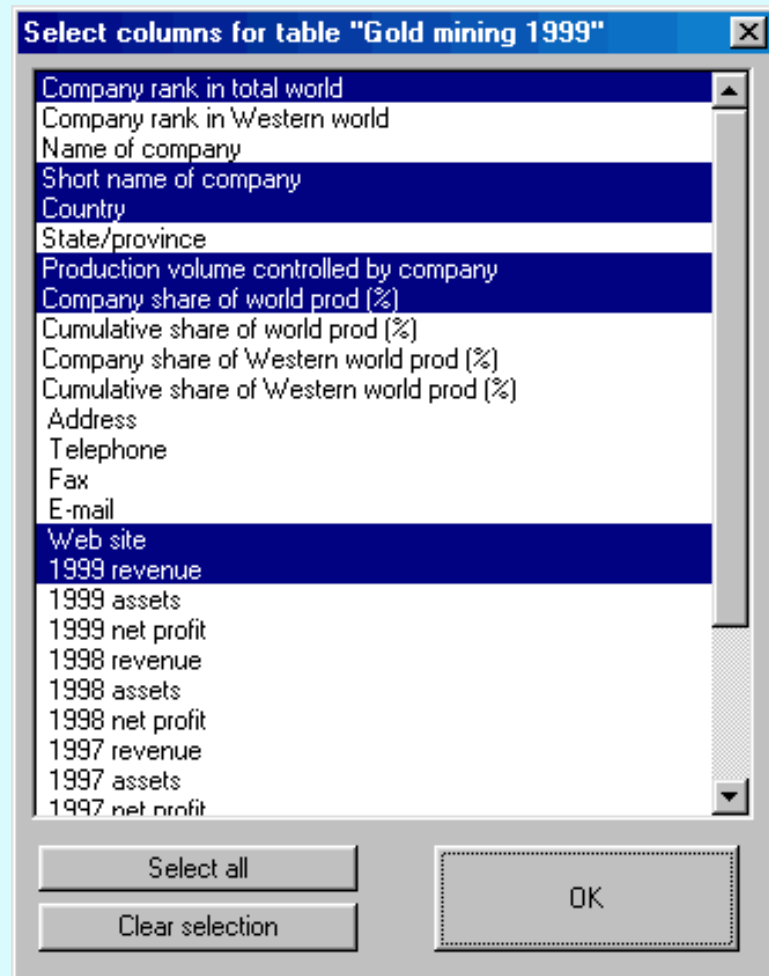
- ☐ country + producer in alphabetical order
- ☐ country + province + producer in alphabetical order
- ☐ country + producer by size of production
- ☐ country + province + producer by size of production
- ☐ country + type + producer in alphabetical order
- ☐ type + producer by size of production
- ☐ producer in alphabetical order
- ☒ producer by size of production

Producer tables can be printed and they can be exported (in dbf format) to a spreadsheet or to another database for further processing.

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Control

This part of the database deals with companies rather than mines and shows data on how much production these companies control. Having pressed 'Producers' in the main toolbar and having selected 'gold', '1999' and 'mine' click 'OK' which will produce the following window:



Having made the selections as highlighted in the above window click OK and the table 'Gold mining 1999 controlling companies' will appear like this:

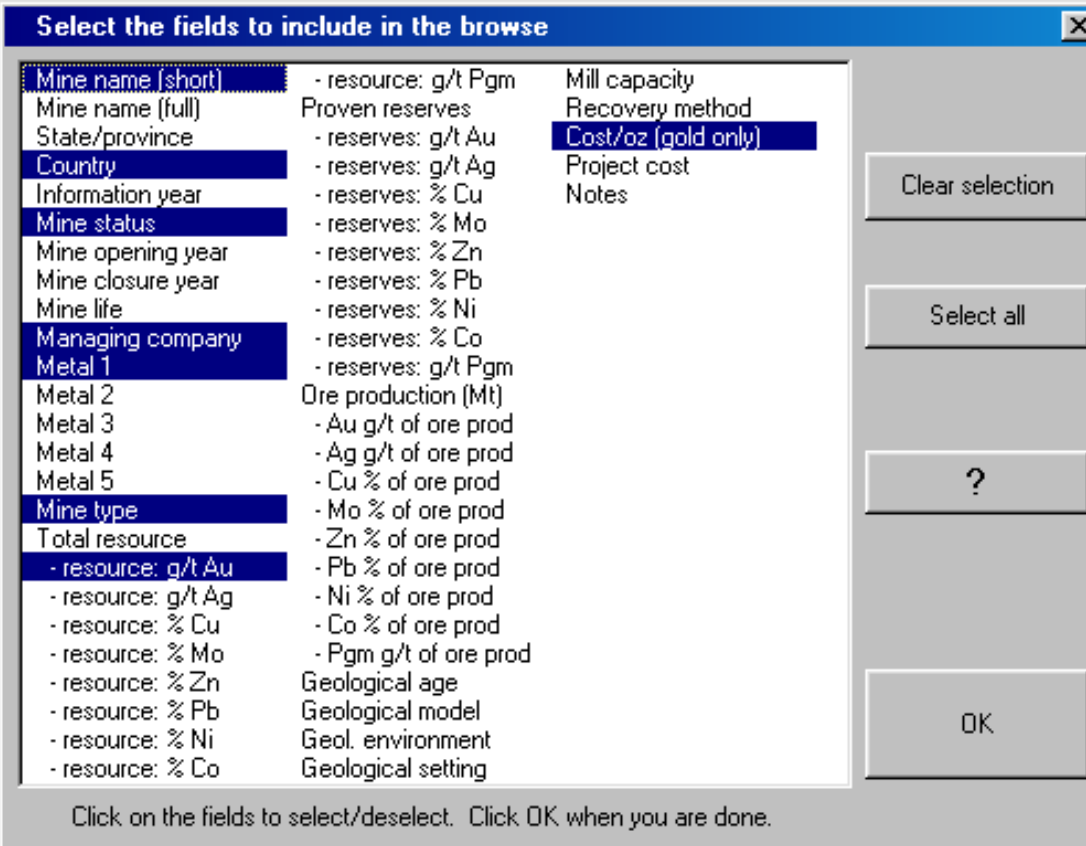
Gold mining 1999 Controlling companies. Normal method. Sorted by rank							
Rank world	Short name	Country	Prod (t)	% of world	Web site	Currency	1999 revenue
1	Anglo American	UK	231.80	9.33	www.angloamerican.co.uk	G USD	19.245
2	Newmont Mining	USA	131.36	5.29	www.newmont.com	M USD	1 398.927
3	Gold Fields	South Africa	129.25	5.20	www.goldfields.co.za	G ZAR	5.731
4	Barrick	Canada	114.02	4.59	www.barrick.com	G USD	1.421
5	Placer Dome	Canada	102.60	4.13	www.placerdome.com	G USD	1.162
6	FCX	USA	95.98	3.86	www.fcx.com	M USD	1 887.328
7	Homestake Minin	USA	66.14	2.66	www.homestake.com	M USD	671.600
8	Rio Tinto plc	UK	62.48	2.51	www.riotinto.com	G USD	9.310
9	Normandy	Australia	59.29	2.39	www.normandy.com.au	M AUD	1 356.100
10	Navoi Mining	Uzbekistan	59.22	2.38			
11	Ashanti	Ghana	48.60	1.96	www.ashantigold.com	M USD	582.100
12	Harmony	South Africa	42.54	1.71	www.harmony.co.za	M ZAR	2 256.000
13	DRD	South Africa	39.72	1.60	www.drd.co.za	M ZAR	1 071.058
14	Kinross Gold	Canada	33.34	1.34	www.kinross.com	M USD	304.000
15	JCI Gold	South Africa	31.29	1.26	www.jci.co.za		
16	Battle Mountain	USA	29.76	1.20	www.bmgold.com	M USD	..
17	Newcrest	Australia	26.51	1.07	www.newcrest.com.au	M AUD	467.448
18	WMC	Australia	23.19	0.93	www.wmc.com.au	G AUD	2.094
19	Buenaventura	Peru	22.48	0.90	www.buenaventura.com.pe	M PES	397.278
20	Delta Gold Ltd	Australia	19.82	0.80	www.deltagold.com.au	M AUD	204.857

Click this controlled producer icon  and you will see a table of the mines controlled by the highlighted company including percentage of the company's overall production.

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[Database Home](#)
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Mine Details

This section is of particular interest to technicians, geologists, equipment manufacturers and service companies as it focuses on reserves, ore production, grades, geology etc. Pressing the 'Mine details' button produces the following kind of window:



Select the fields to include in the browse

Mine name (short)	- resource: g/t Pgm	Mill capacity
Mine name (full)	Proven reserves	Recovery method
State/province	- reserves: g/t Au	Cost/oz (gold only)
Country	- reserves: g/t Ag	Project cost
Information year	- reserves: % Cu	Notes
Mine status	- reserves: % Mo	
Mine opening year	- reserves: % Zn	
Mine closure year	- reserves: % Pb	
Mine life	- reserves: % Ni	
Managing company	- reserves: % Co	
Metal 1	- reserves: g/t Pgm	
Metal 2	Ore production (Mt)	
Metal 3	- Au g/t of ore prod	
Metal 4	- Ag g/t of ore prod	
Metal 5	- Cu % of ore prod	
Mine type	- Mo % of ore prod	
Total resource	- Zn % of ore prod	
- resource: g/t Au	- Pb % of ore prod	
- resource: g/t Ag	- Ni % of ore prod	
- resource: % Cu	- Co % of ore prod	
- resource: % Mo	- Pgm g/t of ore prod	
- resource: % Zn	Geological age	
- resource: % Pb	Geological model	
- resource: % Ni	Geol. environment	
- resource: % Co	Geological setting	

Click on the fields to select/deselect. Click OK when you are done.

Having made selections as per above and having clicked OK the following table will appear:

Mine details. Sorted by cost/oz (gold only).



Mine name (short)	Country	Status	Managing company	Metal 1	Cost/oz (gold)	Resource Au g/t	Type
Freegold	South Africa	Operating	Anglogold	Au	264 USD	7.20	Underground
Hedges	Australia	Closed	Alcoa Australia	Au	264 USD	1.50	Openpit
Bamboo Creek	Australia	Suspended	Haoma Mining	Au	262 USD	4.60	Underground
Gold Road	USA	Operating	Addwest	Au	262 USD	7.46	Underground
Mt Monger	Australia	Suspended	Ramsgate	Au	262 USD		Openpit
Stawell	Australia	Operating	Pittston	Au	262 USD		Underground
Vatukoula	Fiji	Operating	Emperor	Au	262 USD	10.30	Openpit
Homestake Mine	USA	Operating	Homestake	Au	261 USD	7.53	Underground
Mt McClure	Australia	Suspended	Australian Res	Au	261 USD	1.80	Openpit
Paddington	Australia	Operating	Goldfields	Au	258 USD	1.80	Openpit
St Helena	South Africa	Operating	GFL	Au	258 USD	12.40	Underground
Macassa Mine	Canada	Operating	Kinross	Au	257 USD	10.19	Underground
Norseman AGM	Australia	Suspended	Australasian	Au	257 USD	4.30	OP and UG
Elandsrand	South Africa	Operating	Anglogold	Au	254 USD	7.20	Underground

This table can be sorted and filtered in many different ways. Clicking the sort key  in the above table produces the following kind of window:

Select up to five fields to sort on

Mine name (short)
Country
Mine status
Managing company
Metal 1
Metal 2
Mine type
Geological model
Recovery method
Project cost

First sort key:
Mine name (short)
Second sort key:
Managing company
Third sort key:
Metal 1
Fourth sort key:
Mine type
Fifth sort key:
Recovery method

Clear sort keys above

OK, apply new sort order

Double-click on the fields to sort on.
Click OK when you are done.

To filter out for example operating gold mines only from a certain group of countries and with an ore grade between 2.0 and 4.0 gpt click the filter icon in the above table and select in 'Set filter for mine details'-window accordingly, i.e. as per example shown here:

Set filter for Mine details

Double-click a field in the list below

Selected field	Condition
Country	Country: Indonesia, Malaysia, Myanmar, New Zealand, Papua New Guinea, Philippines, Thailand
Metal 1	Gold
Mine type	Openpit
- resource: g/t Au	- resource: g/t Au >= 2 g/t and <= 4 g/t

This is how you do:

1. Double-click a field in the list to the left.
2. Click the 'Set' button which will appear next to the field.
3. Set your conditions in the box that appears.
4. If necessary, repeat process for other fields.
5. Click OK when you are done.

Display saved filters instead

OK, done

Clicking the 'OK, done' button will produce a window showing mines with the selected parameters. The filtered data can be exported to a spreadsheet. Filters can be saved for later retrieval and use. To obtain a full set of data on a particular mine click this button  on the toolbar.

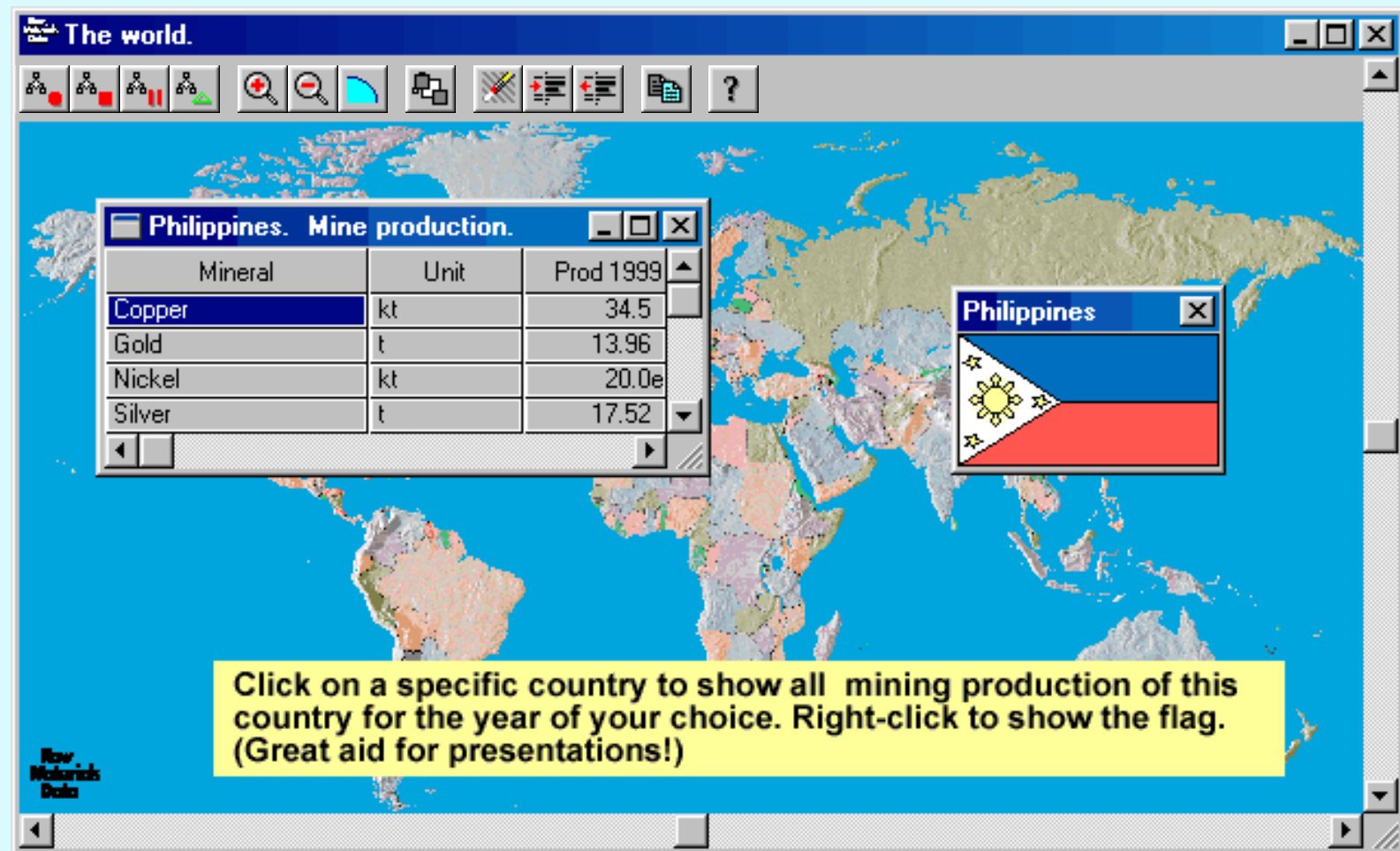
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World Maps

This is one of the most exciting features of **Raw Materials Data**. You can call a map from within a tabular data environment to show the location of a mine or refinery **or** you can click on a map object (mine, refinery or country) to view all available data about this object!

Production is shown by circles. Circle colour indicates the mine status: operating, closed, at feasibility stage etc.

The World Map part of the guided tour of Raw Materials Data is very interactive: slide over buttons with your mouse to see the explanations; click on them to see the map change! When you see the **large OK buttons** click them to proceed.



If you are impressed, click [this link](#) to tell us more about your interest.

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Raw Materials Data: partial list of companies, mines and refineries

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Raw Materials Data: partial list of companies, mines and refineries

Aardal Aluminium Smelter, Norway,

Aardcor Mines Ltd, Zimbabwe,

Abacus Mining & Exploration Corp, Canada,

Abakansk Mining Department, Russia,

Abancay Copper/Gold/Silver Deposit, Peru,

Abcourt Mines Inc, Canada,

Abcourt-Barvue Silver Mine, Canada,

Abednego Nickel Deposit, Australia,

Abednego Nickel Ltd, Australia,

Abegui Gold Deposit, Algeria,

Abelle Pty Ltd, Australia,

Aber Diamond Corp, Canada,

ABM Mining Ltd, Australia,

Abore Gold Mine, Ghana,

Abosso Goldfields Ltd, Ghana,

Abu Khusheiba Copper Deposit, Jordan,

Abu Marawat Gold Deposit, Egypt,

Abu Swayel Nickel/Copper Deposit, Egypt,

Abu Zaabel Fertiliser & Chemical Co, Egypt,

Abu Zenima Manganese Mine, Egypt,

Abyz Gold Mine, Kazakhstan,

Acari Gold Mine, Peru,

Accaribo Bauxite Mine, Surinam,

Accha Lead/Zinc Deposit, Peru,

Acclaim Exploration NL, Australia,

Achinsk Alumina JSC, Russia,

Achinsk Alumina Refinery, Russia,

Achisaisk Polymetallic Mining Co, Kazakhstan,

Acier Mining, Kazakhstan,

Acoje Mining Co Inc, Philippines,

Acoje PGM Deposit, Philippines,

Acordo Diamonds Ltda, Brazil,

Acton PGM Refinery, UK,

Acupan Gold Mine, Philippines,

Ad Duwayah Gold Deposit, Saudi Arabia,
Ada Tepe Gold Deposit, Bulgaria,
Adak Polymetallic Mine, Sweden,
Adams Iron Ore Mine, Canada,
Adamson Tungsten Mine, USA,
Addwest Minerals International Ltd, USA,
Adelaide Crown Gold Mine, USA,
Adelaide River Gold Deposit, Australia,
Adelong Capital Ltd, Australia,
Adelong Gold Deposit, Australia,
Adi Nefas Gold Deposit, Eritrea,
Adi Nefas Polymetallic Deposit, Eritrea,
AdityaBirla Group, India,
Admiralty Resources NL, Australia,
Adoikrom Gold Deposit, Ghana,
Adrasman Lead/Silver Mine, Tadjikistan,
Adrasmsansk Mining Co, Tadjikistan,
Adrian Resources Ltd, Canada,
Advalloy Ferromanganese Plant, South Africa,
Advantage Telecommunications Ltd, Australia,
Advocate Resources PTE Ltd, Singapore,
Adychansk Gold Mine, Russia,
Aegean International Gold Inc, Australia,
Afcan Mining Corp, Canada,
Afema Gold Mine, Cote d'Ivoire,
Afex Corp SA, Luxembourg,
Afmeco Pty Ltd, Australia,
Afminex Ltd, Australia,
Africa Resources Ltd, UK,
African Gold plc, Ireland,
African Gold Zimbabwe, Zimbabwe,
African Rainbow Minerals & Exploration (Pty) Ltd, South Africa,
Afrika Mashariki Gold Mines Ltd, Australia,
Afrikan Mining & Trust Co Ltd, South Africa,
Afrikan Star Resources Ltd, Ghana,
Afrikander Lease Gold Mine, South Africa,
Afrikander Lease Ltd, South Africa,
Afriore (South Africa), South Africa,
Afriore Ltd, Canada,
Afton Copper Mine, Canada,
Agarak Copper Molybden Mining Co, Armenia,
Agarak Copper/Molybdenum Mine, Armenia,
Agate Creek Gold Deposit, Australia,
Agbaou Gold Deposit, Cote d'Ivoire,

AGD Mining Ltd, Australia,
Aggeneys Lead Mine, South Africa,
Agh Darreh Gold Deposit, Iran,
Agi Dagi Gold Deposit, Turkey,
Aginskoe Gold Mine, Russia,
Agios Nikolaos Alumina Refinery, Greece,
Agios Nikolaos Aluminium Smelter, Greece,
Agnes Gold Mine, South Africa,
Agnew (Leinster) Gold Mine, Australia,
Agnew (Leinster) Nickel Mine, Australia,
Agnico Eagle Mines Ltd, Canada,
Agnigundala Lead Mine, India,
AGR Ltd, Australia,
AGR Matthey Gold Refineries, Australia,
Agrium Inc, Canada,
Agua Blanca Polymetallic Deposit, Spain,
Agua Boa Gold Mine, Brazil,
Agua de la Falda Gold Mine, Chile,
Agua Limpa Iron Ore Deposit, Brazil,
Agua Preta Manganese Mine, Brazil,
Agua Rica Copper/Gold Deposit, Argentina,
Aguas Claras Iron Ore Mine, Brazil,
Aguas Tenidas Base Metals Mine, Spain,
Agupacion Silver Mine, Mexico,
Ahafo Gold Mine, Ghana,
Ahmavaara East PGM Deposit, Finland,
Ahmavaara PGM Deposit, Finland,
Ainak Copper Mine, Afghanistan,
Aitik Copper Mine, Sweden,
Ajil Minerals Sdn Bhd, Malaysia,
Ajkai Alumina Refinery, Hungary,
Ajo (New Cornelia) Copper Mine, USA,
Ajvalija Lead/Zinc Mine, Yugoslavia,
AK/CJ Diamond Deposit, Canada,
AK1 Pipe Diamond Mine, Australia,
Akarem Nickel/Copper Deposit, Egypt,
Akbakai Gold Mine, Kazakhstan,
Akchatausk Lead Mining Co, Kazakhstan,
AKD Ltd, Australia,
Akenobe Mining Co Ltd, Japan,
Akhtaly Copper Mine, Armenia,
Akita Zinc Co Ltd, Japan,
Akita Zinc Refinery, Japan,
Akka Gold Mine, Morocco,

Akka Gold Mining Co, Morocco,
Akouta Uranium Mine, Niger,
Akranes Ferrosilicon Plant, Iceland,
Akrokeri-Ashanti Gold Mines Inc, Canada,
Aksu (Yermak) Ferrochrome plant, Kazakhstan,
Aksu Ferromanganese Plant, Kazakhstan,
Aktash Gold Deposit, Tadjikistan,
Aktogai Copper/Molybdenum Deposit, Kazakhstan,
Aktybinsk Ferroalloy Plant, Kazakhstan,
Akyem Gold Deposit, Ghana,
Akzhalsk Lead/Zinc Mine, Kazakhstan,
Al Amar Gold Mine, Saudi Arabia,
Al Hajar Gold Mine, Saudi Arabia,
Al Masane Zinc/Copper Mine, Saudi Arabia,
Alada Halli Chromite Mine, India,
Alamo Dorado Silver Deposit, Mexico,
Alamos Gold Inc, Canada,
Alamoutala Gold Deposit, Mali,
Alaska Copper Refinery, Zimbabwe,
Alaska Copper Smelter, Zimbabwe,
Alaska Gold Co, USA,
Alaska Juneau Gold Mine, USA,
Alaska Mineral Services, USA,
Alaverdsk Pilot Smelter of Nonferrous Metals, Armenia,
Alaverdy GMK, Armenia,
Albaker, Albania,
Albchrome, Albania,
Albino Gold Mine, Venezuela,
Alcan Canadian Aluminium Smelters, Canada,
Alcan Holdings Switzerland AG, Switzerland,
Alcan Inc, Canada,
Alcaravan Gold Deposit, Venezuela,
Alcaston Diamond Exploration AB, Sweden,
Alcaston Mining NL, Australia,
Alcoa Aluminium Smelter, USA,
Alcoa Inc, USA,
Alcoa Inespal, Spain,
Alcoa Italia Spa, Italy,
Alcoa US Alumina Refineries, USA,
Alcoa US Aluminium Smelters, USA,
Alcoa World Alumina & Chemicals, USA,
Aldan Gold Mine, Russia,
Aldanzoloto OAO, Russia,
Aldebaran Gold Deposit Area, Chile,

Aldermine International, Canada,
Alegria Iron Ore/Manganese Mine, Brazil,
Alemao Copper Deposit, Brazil,
Alexandrinsk Copper/Zinc Deposit, Russia,
Alexkor Ltd, South Africa,
Alfa Gold Deposit, Venezuela,
Alhué Gold Mine, Chile,
Alice River Gold Mine, Australia,
Aliken Gold Mine, French Guyana,
Aljustrel Zinc/Pyrite Mine, Portugal,
Alkane Exploration Ltd, Australia,
Allakh-Yun Gold Mine, Russia,
Allan Potash Mines, Canada,
Allard Lake (Lac Tio) Ilmenite Mine, Canada,
Allegiance Mining NL, Australia,
Alliance Energy Ltd, Australia,
Allied Mining & Processing Ltd, Australia,
Allied Queensland Coalfields Ltd, Australia,
Alligator Ridge Gold Mine, USA,
Alloy Silicon Plant, USA,
Allstate Explorations NL, Australia,
Alma Aluminium Smelter, Canada,
Almaden Gold Deposit, USA,
Almaden Resources Corporation, Canada,
Almagrera SA, Spain,
Almahdi Aluminium Corp, Iran,
Almahdi Aluminium Smelter, Iran,
Almalyk Copper Refinery, Uzbekistan,
Almalyk Copper Smelter, Uzbekistan,
Almalyk Mining and Metallurgical Complex, Uzbekistan,
Almas Gold Mine, Brazil,
Almazny Bereg JSC, Russia,
Almazy Rossii Sakha, Russia,
ALMO Aluminium, Bosnia,
Alouette Aluminium Smelter, Canada,
Alpys Gold Mine, Kazakhstan,
Alro (Slatina) Aluminium Smelter, Romania,
Altai Gold Mine (Priisk Altaysky), Russia,
Altai Resources Inc, Canada,
Altair International Inc, USA,
Altamira Copper (SX-EW) Mine, Chile,
Altamira Iron Ore Deposit, Venezuela,
Altaur Gold Explorations Inc, Canada,
Altaypolymetal JSC, Russia,

Altintepe Gold Deposit, Turkey,
Alto Chicama Gold Deposit, Peru,
Alto Mine, USA,
Alto/Ibex Gold Mine, USA,
Alton Copper Smelter/Refinery, USA,
Altonorte Copper Smelter, Chile,
Altoro Gold Corp, Canada,
Altyn Aimak, Kazakhstan,
Altyn Moonstone JV, Kazakhstan,
Altynalmas Precious Metals & Stones Co, Kazakhstan,
Alujain Corp, Saudi Arabia,
Alumina do Norte do Brasil SA, Brazil,
Alumina Espanol, Spain,
Alumina Ltd, Australia,
Alumina Partners of Jamaica, Jamaica,
Aluminerie de Bécancourt Inc, Canada,
Aluminio Argentina SA, Argentina,
Aluminio Brasileiro SA, Brazil,
Aluminio del Caroni SA, Venezuela,
Aluminio do Maranhao Alumina Refinery, Brazil,
Aluminio do Maranhao Aluminium Smelter, Brazil,
Aluminio Espanol SA, Spain,
Aluminio SA de CV, Mexico,
Aluminium Bahrein BSC, Bahrain,
Aluminium Co of Egypt, Egypt,
Aluminium de Grèce SA, Greece,
Aluminium Decin, Czechoslovakia,
Aluminium of Kazakhstan, Kazakhstan,
Aluminium Smelter Co of Nigeria, Nigeria,
Alupuram Aluminium Smelter, India,
Alusaf (Pty) Ltd, South Africa,
Alwin Copper Deposit, Canada,
Amable Gold Deposit, Argentina,
Amalia (Blue Dot) Gold Mine, South Africa,
Amalia Gold Mining & Exploration Co Ltd, South Africa,
Amandelbult Section PGM Mine, South Africa,
Amantaytau OP Gold Mine, Uzbekistan,
Amantaytau UG Gold Deposit, Uzbekistan,
Amapari Gold Mine, Brazil,
Amarillo Copper Refinery, USA,
Amayapampa Gold Mine, Bolivia,
Ambamata Zinc Mine, India,
Ambatovy Nickel Deposit, Madagascar,
Ambia Iron Ore Mine, India,

Ambrosia Lake Uranium Mine, USA,
Amelia Gold Mine, Mexico,
America Gold Mine, USA,
America Mineral Fields Inc, UK,
American Bonanza Gold Mining Corp, Canada,
American Borate Co (s Owens C.Fiberglas), USA,
American Consolidated Mining Co, USA,
American Copper & Nickel Co Inc, USA,
American Eagle Resources Inc, USA,
American Girl Gold Mine, USA,
American Girl Mining JV, USA,
American Nuclear Corp, USA,
Ameridian Ventures Inc., Canada,
Amerigold Inc, USA,
Amesmesssa Gold Mine, Algeria,
Ametistovoe Gold Mine, Russia,
Amolanas Copper Mine, Chile,
Ampalit (Cempaga Buang) Gold Mine, Indonesia,
AMT International Mining Corp, Canada,
Amurzoloto Industrial Gold Mining Association, Russia,
Anabama Copper Deposit, Australia,
Anabella Gold Deposit, Guatemala,
Anaconda Gold Corp, Canada,
Anaconda Nickel Ltd, Australia,
Anarraaq Zinc Deposit, USA,
Anatolia Minerals Development Corp, USA,
Anchor Gold Deposit, Australia,
Anchor Hill Gold Mine, USA,
Andacaba Polymetallic Mine, Bolivia,
Andacollo Copper (SX-EW) Mine, Chile,
Andacollo Gold Mine, Chile,
Andas Altyn Ltd, Kazakhstan,
Andaychagua Zinc Mine, Peru,
Andean American Mining Corporation, Canada,
Andersons Creek Nickel Deposit, Australia,
Andina Copper Mine, Chile,
Andover Resources NL, Australia,
Andrade Iron Ore Mine, Brazil,
Andrew Tungsten Mine, USA,
Andrew Zinc Deposit, Canada,
Anganguao Polymetallic Deposit, Mexico,
Angas Zinc Deposit, Australia,
Angela Polymetallic Mine, Argentina,
Angharan Lead/Zinc Mine, Iran,

Anglefort Silicon Plant, France,
Anglesey Aluminium Ltd, UK,
Anglesey Mining plc, UK,
Anglo American Clays, USA,
Anglo American Platinum Corp Ltd, South Africa,
Anglo American plc, UK,
Anglo American Prospecting Services Ltd, South Africa,
Anglo Australian Resources NL, Australia,
Anglo Base Metals, South Africa,
Anglo Pacific Group plc, UK,
Anglogold Ltd, South Africa,
Anglogold Namibia (Pty) Ltd, Namibia,
Anglovaal Mining Ltd, South Africa,
Angostura Deposit, Colombia,
Angouran Lead/Zinc Mine, Iran,
Angovia Gold Mine, Cote d'Ivoire,
Angra Pequena Diamond Co (Pty) Ltd, Namibia,
Angul Aluminium Smelter, India,
Angwa/Shackleton Copper Mine, Zimbabwe,
Anhui Richer Mines Co Ltd, China,
Anialik Polymetallic Deposit, Canada,
Anjing Hitam Zinv Deposit, Indonesia,
Anketell Gold Deposit, Australia,
Annaka Lead/Zinc Refinery, Japan,
Annex Grootboom Chrome Mine, South Africa,
Annic Nickel/Copper Deposit, Canada,
Anniensk Copper Mine, Kazakhstan,
Anooraq Resources Corporation, Canada,
Ansan Wikfs, Yemen,
Anshan Metallurgical Mine Company, China,
Ansil Copper/Gold Mine, Canada,
Ant Hill Manganese Deposit, Australia,
Antam Nickel Mines, Indonesia,
Antamina Copper/Zinc Mine, Peru,
Antamok Gold Mine, Philippines,
Antapaccay Copper Deposit, Peru,
Antapite Gold Mine, Peru,
Antelope Gold Mine, Zimbabwe,
Anticona Silver Mine, Peru,
Antofagasta plc, UK,
Antucoya Copper Deposit, Chile,
Anvil Mining NL, Australia,
Anwia Gold Deposit, Ghana,
Anzac Gold Mine, Zimbabwe,

Anzob Lead/Zinc Mine, Tadjikistan,
Anzon Inc, USA,
Aokam Tin Ltd, Thailand,
Aomori Zinc Refinery, Japan,
AOZT Kamgold, Russia,
Apajalahti Gold Deposit, Finland,
Apatite Pikalyovo Bauxite Mine, Russia,
Apex Gold Mine, USA,
Apex Silver Mines Corp, USA,
Aphrodite Gold Deposit, Australia,
Apocan Inc, Canada,
Apollo Gold Corp, USA,
Apollo Hill Gold Deposit, Australia,
Apolo VII Silver Mine, Mexico,
Aprelevka Gold Mine, Tadjikistan,
Aquarius Gold Mine, Canada,
Aquarius Platinum Ltd, Australia,
Arab Potash Co Ltd, Jordan,
Arafura Mandiri Semangat PT, Indonesia,
Arahura River (Poutini) Alluvial Gold Mine, New Zealand,
Arak Aluminium Smelter, Iran,
Aranjuez Polymetallic Mine, Mexico,
Ararat Gold Mining Plant, Armenia,
Aratu Aluminium Smelter, Brazil,
Araxa SA - Fertilizantes e Productos Quimicos, Brazil,
Arbed Luxembourg Iron Ore Mines, Luxembourg,
Arbed SA, Luxembourg,
Arcata Silver Mine, Peru,
Archaean Gold NL, Australia,
Archangel Diamond Corporation, Canada,
Archipelago Resources Ltd, Australia,
Arcon International Resources plc, Ireland,
Arcourt Resources NL, Australia,
Arctic Platinum Partnership, Finland,
Arcturus Gold Mine, Zimbabwe,
Ardlethan Tin Mine, Australia,
Ardo Diamond Mine, South Africa,
Area C Iron Ore Mine, Australia,
Aredor Diamond Mine, Guinea,
Arequipa M Polymetallic Mine, Peru,
Arex Zinc Deposit, Brazil,
Argentina Gold Corp, Canada,
Argentine Edelweiss Polymetallic Mine, USA,
Argonaut Gold Deposit, South Africa,

Argosy Minerals Inc, Canada,
Argyle Alluvial Diamond Mine, Australia,
Argyle Diamond Mine, Australia,
Ariab Mining Co, Sudan,
Arimagua Iron Ore Deposit, Venezuela,
Arimetco International Inc, USA,
Aripuana Zinc Deposit, Brazil,
Aristantau Gold Deposit, Uzbekistan,
Arizona 1 Mine, USA,
Arizona Resources Inc, USA,
Arizona Star Resource Corp, Canada,
Arlit Uranium Mine, Niger,
Armanist Polymetallic Mine, Armenia,
Armiansk Ilmenite Mine, Ukraine,
Armistice Resources Ltd, Canada,
Armzoloto Industrial Gold Mining Association, Armenia,
Aroaima Bauxite Co, Guyana,
Aros Mineral AB, Sweden,
Arroyo Cascada Mine Gold Deposit, Argentina,
Arroyos Azules Copper/Silver Mine, Mexico,
Artemievsk Copper/Zinc Deposit, Kazakhstan,
Artemovsk (Kuragin) Gold Mine, Russia,
Arthur Lyons River Magnesite Deposit, Australia,
Arthur River/Beryl Hill Tantalite Mine, Australia,
Arumpo Bentonite Mine, Australia,
Aruntani SAC, Peru,
Arvida Aluminium Smelter, Canada,
Aryan Mining & Trading Corp Ltd, India,
Arylach Gold/Silver Deposit, Russia,
As Suq Gold Deposit, Saudi Arabia,
Asacha Gold Deposit, Russia,
Asarco Inc, USA,
Asarel Medet Copper Company, Bulgaria,
Asbestos Mines of Northern Greece SA, Greece,
ASC Industries Ltd, Canada,
Ashanti Goldfields Co Ltd, Ghana,
Ashburton Gold Mine, Australia,
Ashburton Minerals Ltd, Australia,
Ashele Copper Deposit, China,
Ashtabula Ferrosilicon Plant, USA,
Ashton Mining of Canada Inc, Canada,
Asia Iron Ltd, Australia,
Asia Pacific Potash Corp, Thailand,
Asia Pacific Resources Ltd, Canada,

Asian Mineral Resources Ltd, New Zealand,
Asientos Lead/Zinc Mine, Bolivia,
Asis East Mine (Teco), Namibia,
Asis West Mine (Teco), Namibia,
Askam, Kazakhstan,
Assarel Copper Mines, Bulgaria,
Asset Management Software Systems Corp, Canada,
Assmang Ltd, South Africa,
Assore Ltd, South Africa,
Astoria Gold Mine, Canada,
Astro Mining NL, Australia,
Astron Ltd, Australia,
Asturiana de Zinc SA, Spain,
Asuli Manganese Mine, India,
Atacama Kozan, Chile,
Atacama Minerals Corp, Canada,
Atacocha Lead/Zinc/Silver Mine, Peru,
Atansor Iron Ore Mine, Kazakhstan,
Atansor JSC, Kazakhstan,
Atasuysk Mining Complex, Kazakhstan,
Athens Gold Mine, Zimbabwe,
Atlanta Gold/Silver Deposit, USA,
Atlantic Copper Holdings SA, Spain,
Atlantic Industrial Minerals Inc, Canada,
Atlas Consolidated Mining & Development Corp, Philippines,
Atlas Minerals Inc, USA,
Atlas Pacific Ltd, Australia,
Atna Resources Ltd, Canada,
Atocha Silver Mine, Bolivia,
ATW Resources Ltd, Canada,
Atzacapotzalco Copper Refinery, Mexico,
Auburn Iron Ore Mine, USA,
Auburn Minerals LLC, USA,
Auby Zinc Refinery, France,
Audax Resources NL, Australia,
Audrey Resources Inc, Canada,
Aughinish Alumina Refinery, Ireland,
Augusta Resource Corp, Canada,
Augyva Mining Resources Inc, Canada,
Aulron Energy Ltd, Australia,
Aur Resources (USA) Inc, USA,
Aur Resources Inc, Canada,
Aurex AB, Sweden,
Auridiam Ltd, Australia,

Auridiam Zimbabwe (Pvt) Ltd, Zimbabwe,
Aurifera Rio Maranon SA, Peru,
Aurizon Mines Ltd, Canada,
Aurora (CNG) Gold Mine, USA,
Aurora (Electra) Gold Mine, USA,
Aurora Gold Ltd, Australia,
Aurora Platinum Corp, Canada,
Aurul SA, Romania,
Aurum Enterprises Inc, USA,
Aurum Gold Mine, USA,
Ausminco Pty Ltd, Australia,
Austin Gold Mine, USA,
Austindo Resources Corp NL, Australia,
Austmin Gold NL, Australia,
Austminex NL, Australia,
Austral Amalgamated Tin Bhd, Malaysia,
Australian Diamond Exploration NL, Australia,
Australian Environmental Resources NL, Australia,
Australian Gold Fields NL, Australia,
Australian Gold Resources Ltd, Australia,
Australian Magnesium Corp Ltd, Australia,
Australian Mineral Processors Ltd, Australia,
Australian Mining Investments Ltd, Australia,
Australian Overseas Resources Ltd, Australia,
Australian Resources Ltd, Australia,
Australian Zirconia Ltd, Australia,
Austria Metall AG, Austria,
AV Sarmalkar, India,
Avalos Lead/Zinc Mine, Mexico,
Avebury Nickel Deposit, Australia,
Avgold Ltd, South Africa,
Avicaya Ltda, Bolivia,
Aviles Aluminium Smelter, Spain,
Aviles Zinc Refinery, Spain,
Avino Silver & Gold Mines Ltd, Canada,
Avino Silver Mine, Mexico,
Avisma JSC, Russia,
Avoca Alluvial Gold Mine, Australia,
Avocet Mining plc, UK,
Avon Resources Ltd, Australia,
Avonmouth Lead/Zinc Complex, UK,
Avontuur Diamond Mine, South Africa,
AWA Australian Alumina Refineries, Australia,
AWA Australian Bauxite Mines, Australia,

Awak Mas Gold Deposit, Indonesia,
Awaso Bauxite Mine, Ghana,
Axehandle Gold Deposit, Australia,
Axili Copper Mine, China,
Axmin Ltd, Canada,
Axpe Zinc Refinery, Spain,
Ayanfuri Gold Mine, Ghana,
Ayer Hitam Tin Dredging Malaysia Bhd, Malaysia,
Ayirak Gold Deposit, Uzbekistan,
Aykhal Diamond Mine, Russia,
Azco Mining Inc, USA,
Aznalcollar Zinc/Copper Mine, Spain,
Aztek Resources Ltd, Australia,
Azul Manganese Mine, Brazil,



Aardal Aluminium Smelter, Norway

Aardal Aluminium Smelter is an operating smelter/refinery in Norway. In Raw Materials Data you will find production data for aluminium for 19 years, between 1984 and 2002. It is controlled/owned by Norsk Hydro ASA

Aardal Aluminium Smelter is just one of over 15 000 entities to be found in Raw Materials Data, the mining industry's most extensive database. Below is an example of what can be pulled out of Raw Materials Data.

Gold mine producers. Sorted by Country+Production 2002

Country	Short name	Type	Prod 2001 (koz)	Prod 2002 (koz)	Controlled by (end-2002)	Grade Au in 2002 ore prod (g/t)	Cash cost 2002 USD/oz
Bulgaria	Chelopech	UG	53.6	49.1	Navan Mining	3.65	
Bulgaria	= total identified		53.6	49.1			
Bulgaria	= total national		54.7	51.4			
Burkina Faso	= total national		64.3	64.3e			
Canada	Red Lake	UG	503.4	525.9	Goldcorp	71.20	65
Canada	Williams Mine	UG	445.8	405.1	Barrick, Teck Cominco	4.40	219
Canada	Eskay Creek	UG	320.8	360.1	Barrick	46.70	40
Canada	Kemess South	OP	277.1	282.3	Northgate	0.72	203
Canada	Golden Giant	UG	258.2	266.9e	Newmont Mining	8.00	196
Canada	LaRonde	UG	234.9	260.2	Agnico Eagle	4.80	182

More samples from Raw Materials Data:

Mine details..... Mergers & acquisitions..... Corporate control..... Ownership diagram..... Maps.....
Production..... Gold/Graphics

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Raw Materials Data: partial list of companies, mines and refineries

Rabak Elektrolitik Bakir ve Mamulleri A S, Turkey,

Rabbit Creek Gold Mine, USA,

Rabbit Lake Uranium Mine, Canada,

Radersburg Gold Mine, USA,

Radio Gold Mine, Australia,

Radio Hill Nickel Mine, Australia,

Radisson Mining Resources Inc, Canada,

Radomiro Tomic Copper (SX-EW) Mine, Chile,

Raeside Gold Mine, Australia,

Ragged Range Mining Pty Ltd, Australia,

Raglan Nickel Mine, Canada,

Rahman Hydraulic Tin Bhd, Malaysia,

Rain Gold Mine, USA,

Rainbow Gold Mine, USA,

Rainbow Hill Gold Deposit, USA,

Rainy River Gold Deposit, Canada,

Rajaram Bandekar (Sirigao) Mines Pte Ltd, India,

Rajhara Iron Ore Mine, India,

Rajpura-Dariba Zinc Mine, India,

Rakah Gold Mine, Oman,

Rakha Copper Mine, India,

Rakkejaur Zinc Mine, Sweden,

Raleigh Gold Mine, Australia,

Ram Cobalt Deposit, USA,

Ram Petroleums Ltd, Canada,

Ramacanta VS Velingkar, M/s, India,

Ramp Gold Deposit, Canada,

Rampart Ventures Ltd, Canada,

Rampura-Agucha Lead/Zinc Mine, India,

Ramu Nickel/Cobalt/Chromite Deposit, Papua New Guinea,

Rana Gruber AS, Norway,

Rana Iron Ore Mines, Norway,

Rand Carbide Ferroalloys Plant, South Africa,

Rand Leases Gold Mine, South Africa,

Rand Mine, USA,
Rand Mines Milling & Mining Co Ltd, South Africa,
Rand Mining NL, Australia,
Randall Well Gold Mine, Australia,
Randex Ltd, South Africa,
Randfontein Estates Ltd, South Africa,
Randfontein OP Gold Mine, South Africa,
Randfontein UG Gold Mine, South Africa,
Randgold and Exploration Co Ltd, South Africa,
Randgold Resources (Senegal) Ltd, Senegal,
Randgold Resources Ltd, South Africa,
Randsburg Gold Mine, USA,
Range Well Chrome Deposit, Australia,
Ranger Minerals NL, Australia,
Ranger Uranium Mine, Australia,
Ranshofen/Berndorf Aluminium Smelters, Austria,
Raposos Gold Mine, Brazil,
Rapu Rapu Polymetallic Deposit, Philippines,
Rare Resources NL, Australia,
Raub Australian Gold Mining Sdn Bhd, Malaysia,
Rauhala Zinc Deposit, Finland,
Raul Copper Mine, Peru,
Raura Lead/Zinc/Silver Mine, Peru,
Rautaruukki Oy, Finland,
Rav 8 Nickel Mine, Australia,
Ravanj Lead/Zinc Mine, Iran,
Raven Hill Mining Inc, USA,
Ravensthorpe Nickel Deposit, Australia,
Ravensthorpe Nickel/Gold Deposit, Australia,
Ravenswood Aluminium Corp, USA,
Ravenswood Gold Mine, Australia,
Rawas Gold Mine, Indonesia,
Ray Copper (SX-EW) Mine, USA,
Ray Copper Mine, USA,
Rayong Copper Smelter/Refinery, Thailand,
Razoare Iron Ore Mine, Romania,
RD Jesenik, Czech Republ,
Reading Copper Refinery, USA,
Real del Monte Mining Corp, USA,
Real del Monte Silver Mine, Mexico,
Recsk Copper/Gold Mine, Hungary,
Recuperada Silver Mine, Peru,
Recursos Escala de Oro SA, Mexico,
Recursos Metalicos SL, Spain,

Recursos Tyler SA de CV, Mexico,
Red Back Mining NL, Australia,
Red Chris Gold Mine, Canada,
Red Dog Zinc/Lead Mine, USA,
Red Dome Gold Mine, Australia,
Red Hill Gold Deposit, Australia,
Red Lake (New) Gold Mine, Canada,
Red Lake Gold Mine, Canada,
Red Mountain Gold/Silver Deposit, Canada,
Red October Gold Mine, Australia,
Red Project (Vermelho de Vale) Gold Deposit, Brazil,
Red Rock Mining Corp, Australia,
Red Zinc Manto Zinc Deposit, Mexico,
Redaurum Ltd, Canada,
Redbank Copper Mine, Australia,
Redbank Copper Pty Ltd, Australia,
Redev Inc, USA,
Redfern Resources Ltd, Canada,
Redline Gold Deposit, USA,
Redross Nickel Mine, Australia,
Redstone Nickel Mine, Canada,
Redwing Gold Mine, Zimbabwe,
Reedy (QL) Gold Deposit, Australia,
Reedy Gold Mine, Australia,
Reefton Gold Mine, New Zealand,
Refugio Gold Mine, Chile,
Regar Aluminium Smelter, Tadjikistan,
Regarsk (Tajik) Aluminium Enterprise, Tadjikistan,
Rehova Copper Mine, Albania,
Rekodiq Copper Deposit, Pakistan,
Relief Canyon Gold Mine, USA,
Relincho Copper Deposit, Chile,
Remance Gold Mine, Panama,
Rembrandt Gold Mines Ltd, Canada,
Remin SA, Romania,
Remnor Mine, Canada,
Ren Gold Deposit, USA,
Renabie Gold Mine, Canada,
Renco Gold Mine, Zimbabwe,
Renewable Energy Corporation Ltd, Australia,
Renison Consolidated Mines NL, Australia,
Renison Tailings Tin Mine, Australia,
Renison Tin Mine, Australia,
Reno Creek Uranium Mine, USA,

Renström Polymetallic Mine, Sweden,
Renukoot Alumina Refinery, India,
Renukoot Aluminium Smelter, India,
Reocin Zinc Mine, Spain,
Reparticion Gold Deposit, Peru,
Republic (Knob Hill) Gold Mine, USA,
Republic Goldfields Inc, Canada,
Research Engineering Co for Non-Ferrous Metals, Iran,
Resolute Mining Ltd, Australia,
Resource Exploration Ltd, Australia,
Resource Finance & Investment Ltd, Canada,
Resources Management Group Pty Ltd, Australia,
Resources Supply Services Pty Ltd, Australia,
Reuning Diamond Mine, South Africa,
Reunion Mining PLC, UK,
Revemin Gold Mill, Venezuela,
Revesco Group Ltd, Australia,
Reward (Mount Windsor) Copper Mine, Australia,
Rex Diamond Mine, South Africa,
Rex Diamond Mining Corp, Canada,
Rex Gold Deposit, Ghana,
Rex Mining Company N.V., Belgium,
Rey de Plata Lead/Zinc Mine, Mexico,
Reydarfjordur Aluminium Smelter, Iceland,
Reymert Silver Mine, USA,
Rezhsk Nickel JSC, Russia,
Rhein Iron Ore Mine, Mauritania,
Rheinwerk (Norf) Aluminium Smelter, Germany,
Rhode Ranch Uranium Mine, USA,
Rhodes Ridge Iron Ore Deposit, Australia,
Rhoex (Pty) Ltd, South Africa,
Rhombus Vanadium (Pty) Ltd, South Africa,
Riacho dos Machados Gold Mine, Brazil,
RIB-Rutilo e Ilmenita do Brasil SA, Brazil,
Rich Gulch Gold Mine, USA,
Richard Read & Associates Pty Ltd, Australia,
Richards Bay Minerals, South Africa,
Richardson Gold Mine, USA,
Richfield Resources NL, Australia,
Richmond Hill Gold Mine, USA,
Richmont Mines Inc, Canada,
Riddarhyttan Resources AB, Sweden,
Ridgeway (Aus) Gold Mine, Australia,
Ridgeway Gold Mine, USA,

Rift Resources (PNG) Ltd, Papua New Guinea,
Rift Resources Ltd, Canada,
Rim Shaft Uranium Mine, USA,
Rim Uranium Mine, USA,
Rio Algom Ltd, Canada,
Rio Blanco Copper Deposit, Peru,
Rio Branco Tin Mine, Brazil,
Rio Chiquito Gold Mine, Costa Rica,
Rio Chuta Gold Mine, Mexico,
Rio Doce Geologico e Mineracao SA, Brazil,
Rio Frio Gold Deposit, Argentina,
Rio Grande Resources Corporation, USA,
Rio Narcea Gold Mines Ltd, Canada,
Rio Salitre Mineracao, Brazil,
Rio Tinto Borax Inc, USA,
Rio Tinto Ltd, Australia,
Rio Tinto plc, UK,
Rio Tinto Zimbabwe Chrome Mines, Zimbabwe,
Rio Tuba Nickel Mine, Philippines,
Rio Tuba Nickel Mining Corp, Philippines,
Riouperoux Aluminium Smelter, France,
Ripple Creek Iron Ore Mine, Zimbabwe,
Ririway Mines Ltd, Nigeria,
Ririway Zinc/Tin Deposit, Nigeria,
Risdon (Hobart) Zinc Refinery, Australia,
Rishton Gold Mine, Australia,
Riska-Effendi Gold Deposit, Indonesia,
River Gold Mines Ltd, Canada,
River Ranch Diamond Mine, Zimbabwe,
River Valley PGM Deposit, Canada,
Riverina Gold Deposit, Australia,
Riviera Tungsten Deposit, South Africa,
Rivona Codli Iron Ore Mine, India,
Riyadh Gold Deposit, Ghana,
RMHK Trepca, Yugoslavia,
Roan Antelope Mining Corp, Zambia,
Robb Lake Zinc Deposit, Canada,
Robbers Roost Gold Mine, USA,
Robe River Iron Associates, Australia,
Robex Resources Inc, Canada,
Robinson Copper (SX-EW) Mine, USA,
Robinson Copper/Gold Mine, USA,
Rocanville Potash Mines, Canada,
Rock Creek Copper/Silver Deposit, USA,

Rock Creek Gold Deposit, USA,
Rockdale Aluminium Smelter, USA,
Rod Mine, Canada,
Rodeo Creek Gold Deposit, USA,
Rodeo Gold Deposit, USA,
Rodnikovoye, Russia,
Roebourne Gold Deposit, Australia,
Roida-Bhadraasi Manganese Mine, India,
Roma Gold Mine, Zimbabwe,
Romanex International Ltd, Canada,
Romarco Minerals Inc, Canada,
Rome Resources Ltd, Canada,
Romplumb Lead Smelter, Romania,
Romulus Resources Ltd, Canada,
Rooiberg Tin Ltd, South Africa,
Ropes Gold Mine, USA,
Roros Kobberverk, AS, Norway,
Rosario (Santa Fe) Zinc Refinery, Argentina,
Rosario Dominicana, Dominican Republ,
Rosario Polymetallic Mine, Mexico,
Rose Hill Gold Deposit, Australia,
Rosebery Base Metal Mine, Australia,
Rosebud Gold Mine, USA,
Roseby Copper Deposit, Australia,
Rosehall Gold Deposit, Australia,
Rosemont Gold Deposit, Australia,
Rosh Pinah Zinc Co, Namibia,
Rosh Pinah Zinc/Lead Mine, Namibia,
Rosia Montana Corporation SA, Romania,
Rosia Montana Mines, Romania,
Rosia Poieni Mines, Romania,
Rosita Uranium Mine, USA,
Ross Atkins Mining Pty Ltd, Australia,
Ross Birchfield Placer Gold Mine, New Zealand,
Ross Mining NL, Australia,
Ross-Finlay Ltd, Canada,
Rossi Gold Deposit, USA,
Rosswolfram Co, Russia,
Rotem Amfert Negev Ltd, Israel,
Rotglden Project, Austria,
Rothsay Gold Mine, Australia,
Rouez Gold Mine, France,
Round Mountain Gold Mine, USA,
Rovic Diamond Mine, South Africa,

Rowghat Iron Ore Deposit, India,
Royal Bafokeng Nation, South Africa,
Royal Family Gold Mine, Zimbabwe,
Royal Gold Inc, USA,
Royal Mountain King Gold Mine, USA,
Royal Standard Minerals Inc, USA,
Royal Victoria Minerals Ltd, Canada,
RTB Bor, Yugoslavia,
Ruashi/Etoile Copper Deposit, Congo (Dem Rep),
Rubicon Minerals Corp, Canada,
Rubik Copper Mine, Albania,
Rubik Copper Smelter, Albania,
Rubtsovsk Poly Mine, Russia,
Ruby Gold Mine, USA,
Ruby Hill Gold Mine, USA,
Ruby Tuesday Gold/Base Metal Deposit, USA,
Rudabanya Iron ore Mine, Hungary,
Ruddock Creek Zinc Deposit, Canada,
Rudna Copper Mine, Poland,
Rudnany Copper Mines, Slovakia,
Rudozem Lead/Zinc Mine, Bulgaria,
Ruga e Rinise Copper Mine, Albania,
Ruhr Zink GmbH, Germany,
Ruighoek Chrome Mine, South Africa,
Rumble Creek Gold Deposit, USA,
Runruno Gold Deposit, Philippines,
Rupert Resources Ltd, Canada,
Rusky Aluminii, Russia,
Rustenburg Base Metals Refiners (Pty) Ltd, South Africa,
Rustenburg Base Metals Refinery, South Africa,
Rustenburg Minerals Development Chrome Mine, South Africa,
Rustenburg Platinum Mines, South Africa,
Rustenburg Section PGM Mine, South Africa,
Rustenburg UG2 Phase I PGM Mine, South Africa,
Rustlers Roost Gold Mine, Australia,
Ruth Copper Mine, USA,
Rutherfords Reward Gold Deposit, Australia,
Rutjebäcken Zinc Mine, Sweden,
Ruttan Copper/Zinc Mine, Canada,
Rwamagaza Gold Deposit, Tanzania,
Ryan Lode Gold Mine, USA,
Ryaztsvetmet Association JSC, Russia,
Ryedale Manganese Mine, South Africa,
RZM Pty Ltd, Australia,

Rämeपुरo Gold Deposit, Finland,
Rävlidenfältet Copper/Lead/Zinc Mines, Sweden,
Rönnskär Refinery, Sweden,
Rörmyrberget Nickel Deposit, Sweden,
Röros Zinc/Copper Deposit, Norway,
Rössing Uranium Ltd, Namibia,
Rössing Uranium Mine, Namibia,



Rabak Elektrolitik Bakir ve Mamulleri A S, Turkey

Rabak Elektrolitik Bakir ve Mamulleri A S is a company in Turkey.

Rabak Elektrolitik Bakir ve Mamulleri A S is just one of over 15 000 entities to be found in Raw Materials Data, the mining industry's most extensive database. Below is an example of what can be pulled out of Raw Materials Data.

Gold mine producers. Sorted by Country+Production 2002

Country	Short name	Type	Prod 2001 (koz)	Prod 2002 (koz)	Controlled by (end-2002)	Grade Au in 2002 ore prod (g/t)	Cash cost 2002 USD/oz
Bulgaria	Chelopech	UG	53.6	49.1	Navan Mining	3.65	
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More samples from Raw Materials Data:

[Mine details](#)..... [Mergers & acquisitions](#)..... [Corporate control](#)..... [Ownership diagram](#)..... [Maps](#).....
[Production](#)..... [Gold/Graphics](#)

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Do you want to know the control of production of copper? How many new zinc projects are coming

on-stream? What is the average cash cost of gold producers? Who are the ultimate owners of a mine? The information is only clicks away.

Our database contains more than 15 000 entities (mines, smelters, refineries, companies), a wealth of mine details (principal metal, grade, type, capacity, cash costs, past and present yearly production and more), and covers 25 commodities. Country and mine data can be displayed quickly on a map; tables can be exported to spreadsheets. The database also has unique and extensive information on ownership and control, providing an excellent picture of the industry's structure and its evolution.

Recently, a mergers and acquisitions database has been developed, with transactional details from 1994 onward, including details on purchaser, seller, target, purchase price and principal metal. Another new feature is the powerful "What if?" function, which allows the user to merge companies and alter production figures and can be used to forecast the change in control of production of various producers. These special add-on features are available at an extra charge.

A partial list of entities in Raw Materials Data

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Abore Gold Mine, Ghana

Abore Gold Mine is an open pit deposit in Ghana. It mainly contains gold. It is controlled/owned by Resolute Mining Ltd

Abore Gold Mine is just one of over 16 000 entities to be found in Raw Materials Data, the mining industry's most extensive database. Below is an example of what can be pulled out of Raw Materials Data.

Gold mine producers. Sorted by Country+Production 2003							
Country	Short name	Type	Prod 2002 (koz)	Prod 2003 (koz)	Controlled by (end-2003)	Grade Au in 2003 ore prod (g/t)	Cash cost 2003 USD/oz
Papua New Guinea	Porgera	OP	641.8	852.0	Placer Dome	5.30	167
Papua New Guinea	Lihir Mine	OP	603.2	550.8	Lihir Gold Ltd	4.95	283
Papua New Guinea	Ok Tedi	OP	515.1	503.5	SDPL, State of Papua New G	0.80	
Papua New Guinea	Misima	OP	144.5	118.5	Placer Dome	0.70	276
Papua New Guinea	Tolukuma	UG	63.8	80.7	DRD	15.00	262
Papua New Guinea	= total identified		1968.3	2105.5			
Papua New Guinea	= total national		2030.5	2121.9			
Peru	Yanacocha Mines	OP	2285.6	2851.1	Newmont Mining, Buenaven	0.93	129
Peru	Pierina	OP	898.2	911.7	Barrick	2.54	83

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Production..... Gold/Graphics

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