



AU  **ICO**
RESOURCES

CORPORATE
PRESENTATION
JANUARY 2022



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FORWARD-LOOKING STATEMENTS

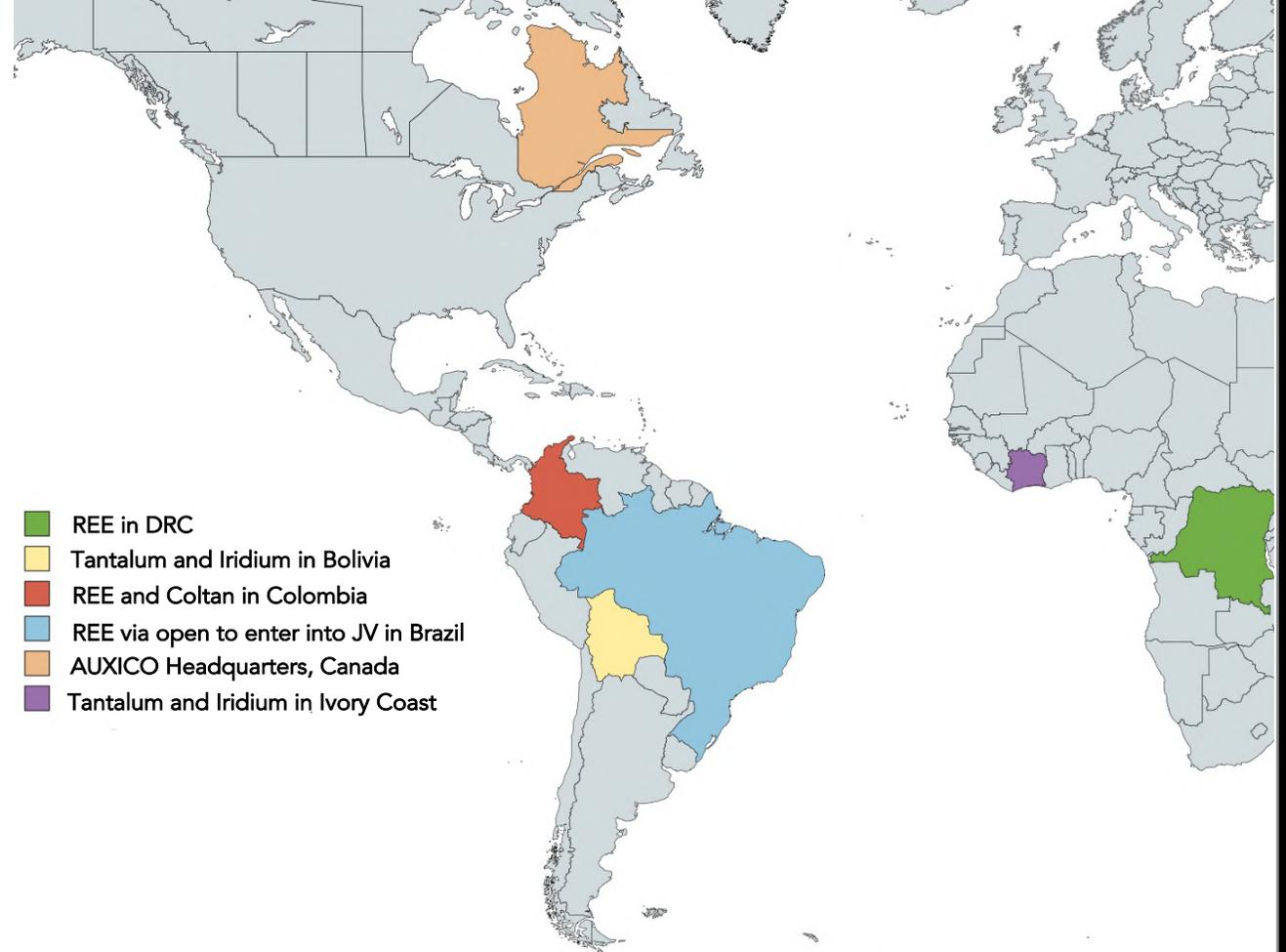
This presentation may contain forward-looking statements, including but not limited to comments regarding predictions and projections. Forward-looking statements address future events and conditions and therefore involve inherent risks and uncertainties. Actual results may differ materially from those currently anticipated in such statements.

THE COMPANY

AUXICO RESOURCES CANADA Inc., CSE: AUAG, ("AUXICO" or the "Company") is a Canadian Company founded in 2014, focused on the production of high-value metals such as tantalum, niobium, iridium and rare earths. The Company owns directly or through joint venture mineral rights in Colombia, Bolivia, Brazil and the Democratic Republic of Congo.

AUXICO is developing a company-owned rare earth project in Colombia, with a total rare earth oxide content exceeding 56% and an option to enter into a joint venture for the development of properties in Brazil with a total rare earth oxide content of 63.49%. The Company is positioning itself to be a major supplier of rare earths to the North American economy.

AUXICO has licensed a patent-pending environmentally friendly extraction technology (UAE_x) for the processing of high-value metals. The UAE_x process is very effective on high-value rare earth samples, achieving +80% recoveries of select rare earth elements over a 2-hour leaching time.



AUXICO
RESOURCES

CORPORATE HIGHLIGHTS

CASH FLOW GENERATION

Rare Earths in Colombia

- AUXICO plans to build a 10,000 square metre rare earth refining facility in the free-trade zone in the city of Santa Marta, Colombia, capable of processing 36,000 tonnes of ore per year.

Coltan in Colombia and Brazil

- Commercial agreement with Minampro Asociados S.A.S. to **supply a min of 25 tonnes of tantalum concentrates**, to be exported from Colombia to Asia.
- Coltan is a black metallic ore from which the elements Niobium (sells for ~US\$40/kg) and Tantalum (sells for ~US\$186/kg) are extracted.

Coltan from DRC

- AUXICO has signed a JV agreement with Kibara Minerals for the concentration and export of tantalum and niobium ores from the DRC.
- Recent reports from Kibara Minerals Bafwasende deposit exhibited **ore up to 55% Nb₂O₅, and up to 30% Ta₂O₅**.

ADVANCED EXPLORATION

Rare Earths in Colombia and Brazil

- AUXICO discovered high-value rare earth metals with total **rare earth oxide content over 56%** at Company controlled property in Colombia.
- AUXICO has an option to enter into a JV for the development of their properties in Brazil with a **total rare earth oxide content of 63.49%**.

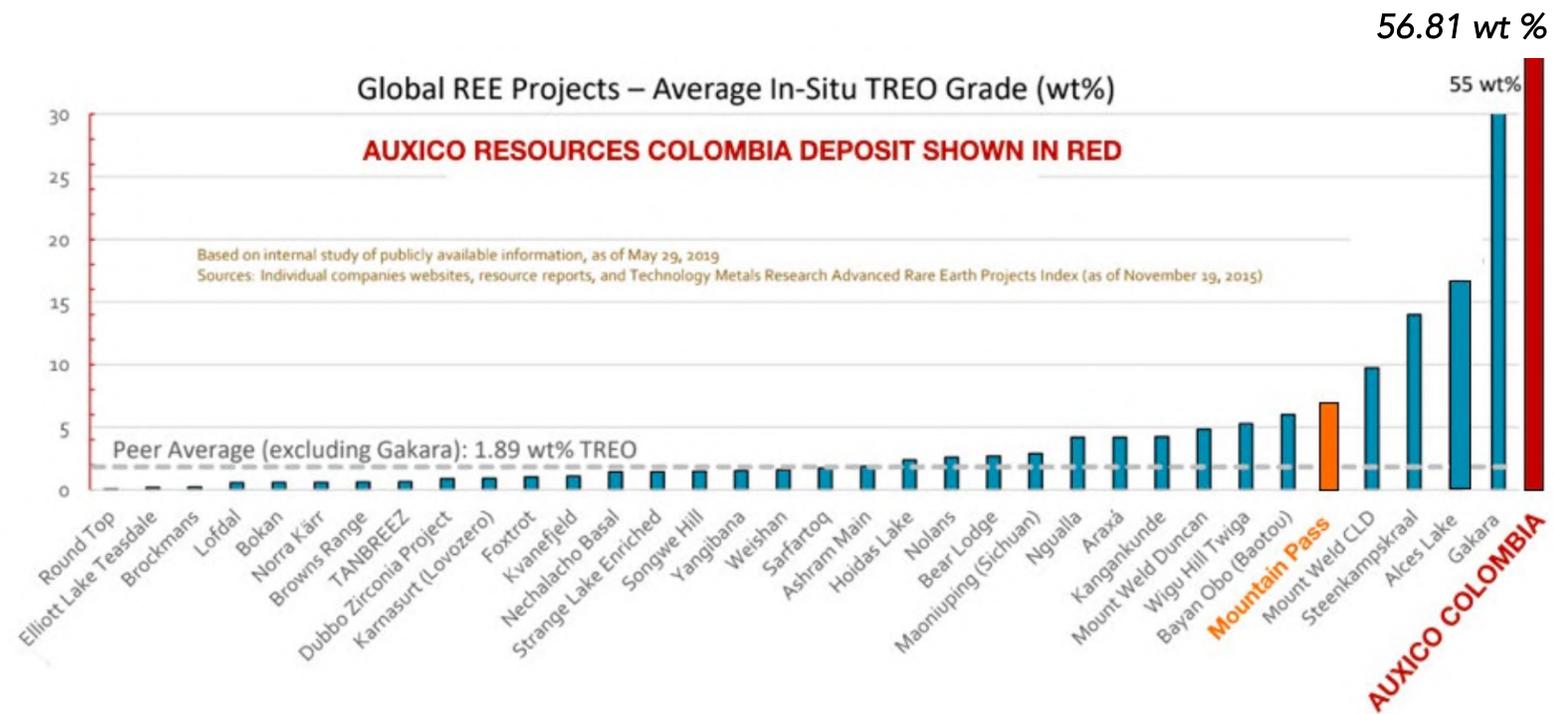
Coltan in Colombia

- The Colombian government has estimated the potential for several millions of tonnes of Coltan reserves.
- MOU agreement with Minampro Asociados S.A.S for exploitation and trading JV of industrial sands (tantalum ore) originating from Vichada, Colombia.
- AUXICO holds mineral and surface rights to a property in Puerto Carreno, Colombia.
- AUXICO has purchased an additional 1,293 hectares of land and has a joint venture for an additional 20,000 hectares in the department of Vichada, in an area which has been set aside by the Colombian Government as strategic for rare earths and other minerals.

HIGH VALUE RARE EARTH ORE IN COLOMBIA

AUXICO has made a significant discovery of high-value rare earth ore in Colombia, with a total rare earth content of 56.81%. Subsequent to a sampling program of 23 pits, samples from the Company-controlled property were sent to Canada and analyzed by Coalia Research Institute in Thetford Mines, Canada. Test results on a sample from a separate pit on the property resulted in 47% tin content, as well as with tantalum, niobium, scandium and rare earth credits. The pitting program was conducted on the property subsequent to a satellite imagery interpretation study which identified in excess of 20 priority exploration targets that are in the process of being sampled.

CHART PROVIDING INFORMATION ON OTHER RARE EARTH PROJECTS



HIGH VALUE RARE EARTH ORE IN VICHADA

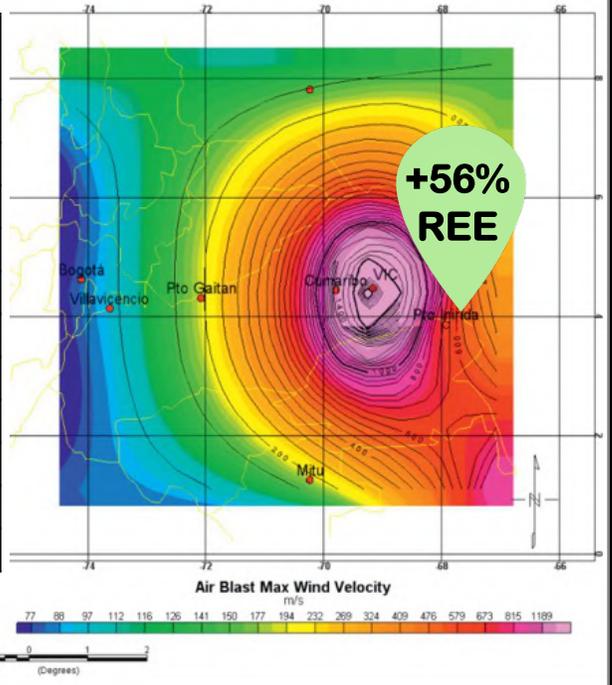
AUXICO previously acquired mineral rights and surface rights to the Minastyc Property located in the municipality of Puerto Carreño where it has made a **rare-earth discovery with over 56% total REE oxide content**, due to a historical asteroid impact point in close proximity ~150 km from the property, with asteroid mineralization rich of REE extending past Puerto Carreño. In December 2021, AUXICO acquired the surface rights to 1,293 hectares of land titled Agualinda, which adjoins the Mynastic property purchased in December 2020. This purchase significantly increases the Company's land position in Colombia, from the 189 to 1,482 hectares, the properties are located within a strategic area designated by the Colombian Government for its potential for tantalum, niobium and rare earths.

An additional discovery was made at a distance of 1.6 km from the initial discovery with **total rare earth content of 55.03% in concentrates**, confirming the presence of a host of rare earth minerals along this mineralized zone.

AUXICO also reported the discovery of high-grade rare earth metals at a distance of 9 km from the Company-controlled property, within the 20,000-hectares permit area held by the Guacamayas-Maipore community, reference Sample 2 with a **total rare earth oxide content of 63.21%**.



Rare Earth Element	Sample #2 Grade (%)
Cerium	38.70
Neodymium	7.73
Lanthanum	7.36
Praseodymium	4.53
Samarium	2.27
Gadolinium	1.38
Dysprosium	0.71
Yttrium	0.05
Ytterbium	0.35
Erbium	0.13
Total Rare Earth Oxide Content	63.21



VICHADA, COLOMBIA: TANTALUM

AUXICO has entered into an MOU agreement with the Colombian company Minampro Asociados S.A.S., to earn a 70% interest in a joint venture for the exploitation and trading of industrial sands (tantalum ore) originating from properties in the department of Vichada, Colombia.

Minampro has the necessary licenses for the buying, selling and exporting of industrial sands containing various metals, including tantalum and niobium. Furthermore, Minampro has an exclusive purchase agreement for industrial sands (tantalum ore) with the indigenous community Guacamayas-Maipore, located in the department of Vichada. The key properties are located within 100 km from an airport and are accessible by road.

AUXICO plans to construct a rare earth refinery in Santa Marta, which can be used to process tantalum as well.

AUXICO
RESOURCES
70% JV NET
PROFITS

73
Ta
Tantalum
180.9479

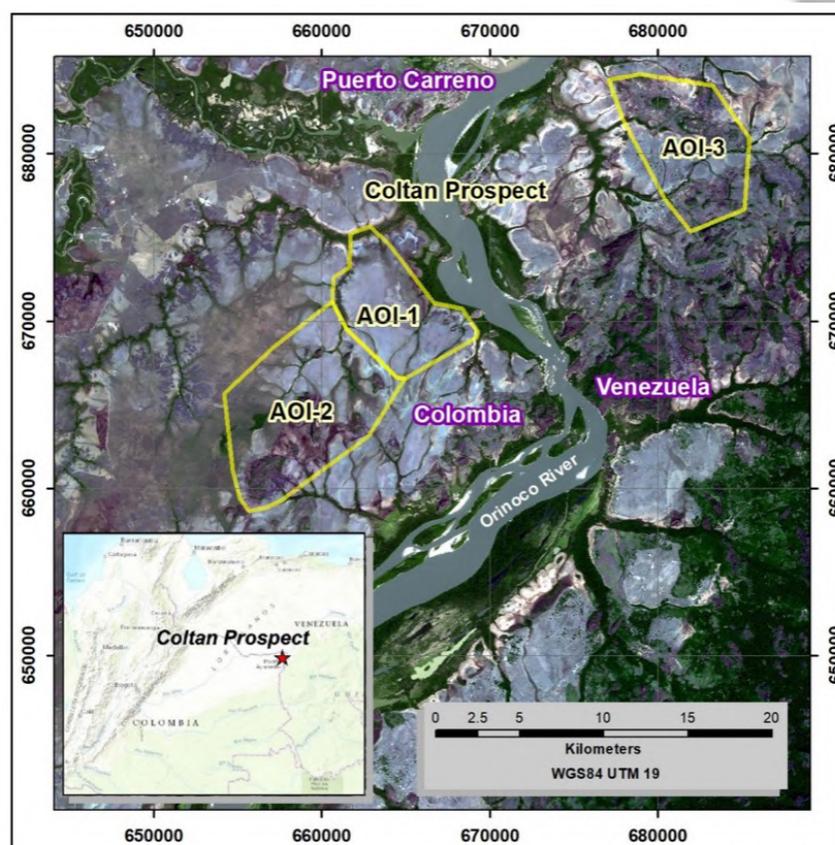


Figure 1. Coltan Prospect location plan, Colombia & Venezuela

HIGH VALUE RARE EARTH PROJECT: PLANT PROPOSAL

AUXICO plans to build a **10,000 square metre rare earth refining facility** in the free-trade zone in the city of Santa Marta, Colombia, capable of **processing 36,000 tonnes of ore per year**. The Company has signed a lease agreement with an option to purchase four lots of land within the Zona Franca Tayrona industrial park. The estimated Capex for the refinery is US\$116.2 million.

The rare earth refinery, the first of its kind in the western hemisphere, will incorporate standard metallurgical processes with innovative extraction technologies, resulting in lower energy consumption, significantly shorter and cost-effective processing cycles, and an overall lower environmental impact. The concentrates of rare earths will be sourced from the properties the Company is currently developing in Colombia and the Democratic Republic of the Congo. Additional concentrates will be sourced from properties in Brazil and Bolivia, for which the Company is finalizing supply agreements.

AUXICO has completed a series of metallurgical tests using the ultrasound assisted extraction process ("UAEx") for mineral extraction, licensed technology from Central America Nickel. The tests demonstrated that the UAEx process is very effective on high-value rare earth samples, achieving +80% recoveries of selected rare earth elements over a 2-hour long leaching time.



Element	Symbol	Brazil Grade (%)	DR Congo Grade (%)	Colombia Grade (%)	Bolivia Grade (%)	Average Recovery (%)
Cerium	CeO2	35.90	31.61	31.09	20.86	85.72
Dysprosium	Dy2O3	0.28	0.09	0.72	0.49	86.63
Gadolinium	Gd2O3	0.17	0.73	0.75	4.68	87.47
Lanthanum	La2O3	15.17	9.41	9.40	5.49	85.41
Neodymium	Nd2O3	9.04	12.34	9.49	10.77	84.74
Praseodymium	Pr6O11	0.89	2.58	2.44	1.57	85.94
Samarium	Sm2O3	0.90	1.99	1.81	8.66	86.02
Yttrium	Y2O3	1.14	0.49	0.50	1.63	76.26
Total RE (%)		63.49	59.24	56.20	54.15	

RARE EARTH ELEMENTS FROM BRAZIL

AUXICO has entered into a Memorandum Of Understanding (“MOU”) with the Brazilian mining cooperative Cooperativa Estanifera de Mineradores da Amazonia Legal Ltda (“CEMAL”), with regard to the exploitation and commercialization of rare earths from the tin tailings originating from deposits located over an estimated area of 18,000 hectares in Masangana, counties of Ariquemes and Monte Negro, in the state of Rondonia, Brazil.

The properties are estimated to contain 30,000,000 tonnes of tin tailings. However, the data for this estimate has yet to be reviewed and verified by AUXICO’s Qualified Person. The deposits are located within the Rondonia Tin Province, which hosts one of the world’s largest cassiterite (tin ore) reserves.

Samples of concentrates were taken by the owners from the property were recently analyzed by Coalia Research Institute in Thetford Mines, Quebec (with the use of XRF X-ray fluorescence). The results of selected concentrate samples are presented in the table below, indicating a **total rare earth oxide content of 63.49%**.

Under the terms of the MOU, AUXICO has an exclusive 180-day period to conduct due diligence. Once completed and to AUXICO’s satisfaction, the parties will then sign a definitive contract and enter into a joint venture for the development of the properties in Brazil, whereby AUXICO will have a minimum of 51% of the net profits of the JV and will have the option to purchase or lease the properties, at a price to be agreed upon with CEMAL.



HIGH VALUE RARE EARTH PROJECT: CAPEX AND P&L

Total Project Cost breakdown	
CAPEX	2022-23, 2 t/h
Equipment base cost (2 t/h) 3 lines +REE	33 537 285
Contingency	2 635 432
Delivered	1 808 636
Installation	7 234 543
INST&CONT	5 425 908
Piping	7 234 543
Electrical	9 043 179
	66 919 526
Manpower	
EPCM	7 528 136
Work Subcontractor	25 490 771
Shipping	1 593 174
Electricity	145 861
Manpower by Owner Option	3 342 587
Consultant	754 737
Travelling and Expenses	75 473
	38 930 738
Reagents (during ramp up only)	
Exchange Resin	1 009
Extractant for SX	362 877
Versatic Acid	211 678
Cyanex 272	362 877
H2SO4	497 093
NaOH	19 059
Oxalic acid	928
Diluent Escaid	503 998
Miscellaneous	38 279
	1 997 798
Land and building (Harold doit me revenir)	5 000 000
Utilities connections	3 400 000
TOTAL	116 248 062

Columbia Industrial Sands			
Vichada and Guacamaya-Maipore			
Overview - POLYGON PHASE 1			
The program consists in the following:		Concentrates only Includes TI, REEs	Concentrates, TI and REEs processed
Phase 1: First 2 years 1- to extract 12,000 t/y of minerals 2- Build the refinery plant		Minerals extracted from Vichada, Guacamaya-Maipore	Extracted minerals are refined in an industrial port in Colombia
Phase 2: Following 17 years To extract and process 12,000 t/y of minerals			
		Phase 1	Phase 2
		2022-23	2024-40
		2 years	17 years
Revenues		USD\$	USD\$
Ta - Tantalum		68 214 933	68 214 933
Nb - Niobium		11 752 589	11 752 589
Sn - Tin		7 741 100	7 741 100
V - Vanadium		27 703	27 703
Zr - Zircon		22 546	22 546
Ti - Titanium		23 985 560	23 985 560
REEs (untransformed)		35 978 340	-
REEs (processed)		-	239 855 600
Total Revenue		147 722 771	351 600 031
Transformation, operating, transportation, royalties			
Refining cost	4 205,53	-	50 436 040
Transportation (aerial cargo)	1 051,38	12 609 010	12 609 010
Operating	31,02	372 063	372 063
		12 981 073	63 417 113
Royalties	3%	4 431 683	10 548 001
Profit and cash flow			
Gross profit	capex	130 310 015	277 634 917
Depreciation	465 264	46 526	46 526
Taxable profit		130 263 488	277 588 391
Income tax (Free trade zone rate)	20%	26 052 698	55 517 678
Net profit		104 210 791	222 070 712
Plus: Depreciation		46 526	46 526
Cash flow		104 257 317	222 117 239
Project life		2	17
Total income taxes paid over project life		52 105 395	943 800 528
Total cash flow generated		208 514 634	3 775 993 060
			1 104 053 064
			188 179 382
			TOTAL PROJECT
			19
			995 905 923
			3 984 507 693

EXPORT OF TANTALUM AND NIOBIUM FROM DR CONGO

AUXICO has signed a joint venture agreement with Kibara Minerals for the export of tantalum and niobium ores from the Democratic Republic of the Congo ("DRC").

Kibara has access to high-grade tantalite mineral deposits in the DRC and an exclusive supply agreement with a cooperative for the purchase of tantalite ore from the Bafwasende artisanal deposit located 200 km from the city of Kisangani in the north-central part of the DRC.

Tantalite ore has been tested by Impact Global Solutions, based in Delson, Quebec, who performed laboratory tests on samples from the Bafwasende deposit, which produced the following grades: 46% Ta₂O₅ (tantalum pentoxide) and 22% Nb₂O₅ (niobium pentoxide).

One of the Company's potential buyers of this tantalite ore performed its own tests, which resulted in 42.04% Ta₂O₅ and 22.93% Nb₂O₅. Recent reports from Kibara Minerals Bafwasende deposit exhibited ore up to 55% Nb₂O₅, and up to 30% Ta₂O₅.

AUXICO and Kibara will collaborate on the launch of a trading operation of tantalum and niobium-bearing ores from the Bafwasende deposit. AUXICO and its partner Covemin, which is a commodities trading firm in Europe with an expertise in tantalum and niobium, have established relationships with the buyers of tantalite ore worldwide.

The DRC has the largest known reserves of tantalite ore in the world. The ore from the Bafwasende deposit is extracted from a traceable non-conflict artisanal site. Both tantalum and niobium are on the list of critical minerals of the United States government. Tantalum is used specifically in electrolytic capacitors for the electronics industry. Niobium is used in steel superalloys. Recently, the price of tantalum was US\$165,000 per metric tonne and the price of niobium was US\$40,000 per MT.



BOARD OF DIRECTORS AND MANAGEMENT



PIERRE GAUTHIER

CEO AND CHAIRMAN OF BOARD

Mr. Gauthier holds a Bachelor of Commerce from the University of Ottawa and a M.B.A. from Concordia University. He was the Founder, President and CEO of Dundee Sustainable Technologies Inc. until December 2014. Involved in the mining industry for over 20 years, he has been involved in raising over \$500 million dollars of financing in various projects.



MARK BILLINGS

PRESIDENT

Mr. Billings is a former investment banker, having raised hundreds of millions of dollars for small-cap companies, including several junior mining companies. He has an MBA from Harvard Business School and he is a Chartered Financial Analyst. He founded and managed companies in the junior resource sector, in addition to being CEO, CFO or a director of a number of publicly traded resource companies in Canada and abroad.

RICHARD BOUDREULT

DIRECTOR

Mr. Boudreault has held top corporate executive positions in organizations of all sizes in both the private, public and governmental sector. He is recognised for his Governance, Regulations and ESG issues. He has led organizations across a variety of sectors including advanced materials, natural resources and metallurgy, clean technology, and on energy (hydrocarbon and nuclear). From 2005 to 2014, Mr. Boudreault was CEO of the cleantech metallurgical process and mining Orbite Aluminae, where he raised over \$140M in financing from institutional and government sources and grew the firm from start-up to publicly traded company with a valuation of \$500M at exit. He has developed REE processes and specialise in heavy elements extraction, separation and purification. Mr. Boudreault holds a bachelor's in applied physics, an MBA and a professional master's degree in engineering, which he earned at Cornell.

JOSEPH LAU

DIRECTOR

Joseph Lau holds a BSc. (Chem) from Concordia University and an MBA from University of Ottawa. Mr. Lau is the Founder and Chairman of Rockhound Limited in Hong Kong. Since his return to Hong Kong in 1994, he served in Senior Executive positions across various industries, including financial services, RE, telecom and retail jewelry. Mr. Lau is a member of the Chemical Institute of Canada and the Canadian Institute of Mining Metallurgy & Petroleum.

SHELDON INWENTASH

DIRECTOR

Sheldon Inwentash is a serial entrepreneur, Chairman and CEO of ThreeD Capital Inc., Toronto-based venture capital firm specializing in investments in the junior resource, blockchain and AI sectors. Mr. Inwentash has more than 30 years of investing experience and has been instrumental in raising \$15B for his portfolio companies over the last 15 years. Mr. Inwentash led Pinetree Capital and created significant shareholder value through early investments in Queenston Mining (acquired by Osisko Mining Corp. for \$550M), Aurelian Resources (acquired by Kinross for \$1.2B) and Gold Eagle Mines (acquired by Goldcorp for \$1.5B).

BUZZ WEST

DIRECTOR

A former soldier and head of Reuters, Middle East and Africa, Mr. West has spent the last 25 years as an entrepreneur in the fields of natural resources, high technology and security. He has recently retired as the group chairman at Kingswood Holdings Ltd., the owner of KW-Wealth, having assets under management of approximately £7 billion. Highly experienced in the financial services arena, Mr. West was the founder and chairman of Ashcourt Rowan plc, which had assets under management of approximately £6 billion. Mr. West was also the chairman of the leading loss adjuster GAB Robins, taking them from management buyout to trade sale to the US group Crawford. He was the senior non-executive director to the Norwegian telecom company, Norcon plc.

ADVISORY BOARD

RICHARD BOUDREAU

P. Phys., B.Sc., M. Eng., MBA, FRSC, HFRCGS, FCMOS, FInstP, FCASI, FWAAS, FCAE, FIAA, AFAIAA, SMIEEE

CTO & TECHNOLOGY ADVISORY BOARD MEMBER

Mr. Boudreault has led organizations across a variety of sectors including advanced materials, natural resources and metallurgy, and clean technology. From 2005 to 2014, Mr. Boudreault was CEO of the cleantech metallurgical process and mining Orbite Aluminae, where he raised over \$140M in financing from institutional and government sources and grew the firm from start-up to publicly traded company with a valuation of \$500M at exit. He has developed REE processes and specializes in heavy elements extraction, separation and purification. Mr. Boudreault holds a bachelor's in applied physics, an MBA and a professional master's degree in engineering, which he earned at Cornell. He is an adjunct professor at École Polytechnique in Montreal where he teaches and performs applied research on environmental chemical engineering, green chemistry and clean tech innovation.

AHMED BOUJILA

P. Eng

TECHNOLOGY ADVISORY BOARD MEMBER

Mr. Bouajila is a senior engineer with more than 30 years of extensive and cross-disciplinary background and experience in mineral processing and extractive metallurgy R&D, technical services and engineering. Mr. Bouajila served at CRM/COREM for nearly 20 years at all levels of project, technical, scientific, management and direction lead. He also acted as VP metallurgy and ore processing at G Mining Services Inc. Since 2016, Mr. Bouajila, is leading IGS Impact Global Solutions Inc., an emerging R&D laboratory that he founded with the commitment to contribute to solving the most challenging problems of the extractive metallurgy. Mr. Bouajila graduated from Laval University in 1986 with a degree in mining engineering and holds a master's degree in mineral processing received in 1988.

DARIA CAMILLA BOFFITO

B.Sc., M.Sc., PhD

TECHNOLOGY ADVISORY BOARD MEMBER

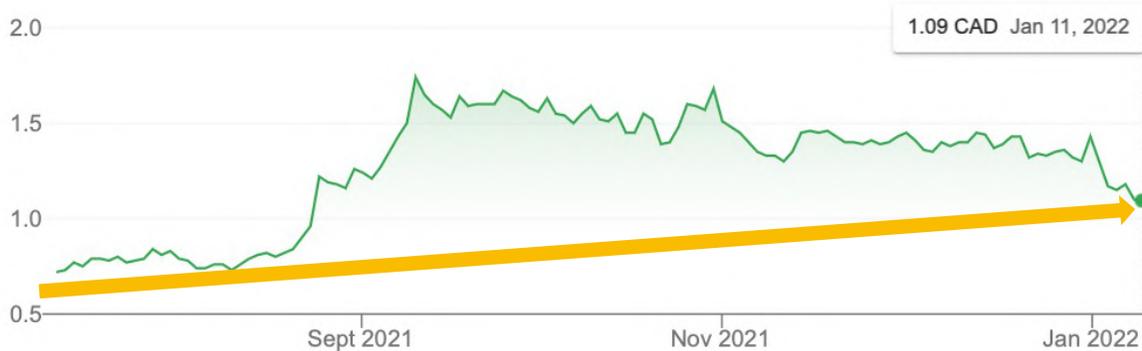
Ms. Boffito is a Associate Professor of Chemical Engineering at Polytechnique Montréal. She finished post-doctorate studies in Chemical Engineering at Polytechnique Montréal, and holds a doctorate degree in Industrial Chemistry from the University of Milan. Ms. Boffito completed the bachelor and masters studies in Industrial Chemistry at the University of Milan. Fields of research and competence Ms. Boffito is experienced in include: extraction processes with ultrasound and microwave; process intensification by alternative energy methods; biofuels and biochemicals synthesis with ultrasound and microwaves; ultrasound-assisted synthesis of catalysts; deposition and coating processes with ultrasound; ultrasound emulsification; ultrasound and microwaves; ultrasound water treatment; and ultrasound-assisted synthesis.

CAPITAL STRUCTURE

*As of 2021.06.17

Category

Shares Outstanding – Basic	60,974,000
Warrants	6,688,600
Options	4,655,000
Convertible Participating Debentures	60,280,000
Shares Outstanding - Fully Diluted	130,997,600



CONTACT



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High Value Asteroid Materials

ASTEROID ELEMENTAL ABUNDANCE RELATIVE TO EARTH'S CRUST



VOLATILES AND H₂O
to fuel the growth of humanity into new frontiers

- Potable Water Radiation Shielding
- Fuel
- Refrigerant
- Agriculture Metallurgy



INDUSTRIAL METALS
to construct and sustainably service space platforms



PLATINUM GROUP METALS
to support demand growth on Earth

- Catalytic Converters
- LCDs
- Advanced materials
- Cancer treatments



Despite desire to reduce dependency, one-in-four manufactured goods require PGMs.



SATELLITE INTERPRETATION STUDIES PERFORMED ON THE PROPERTIES IN COLOMBIA AND BOLIVIA

Images showing potential interest areas and proposed sampling targets

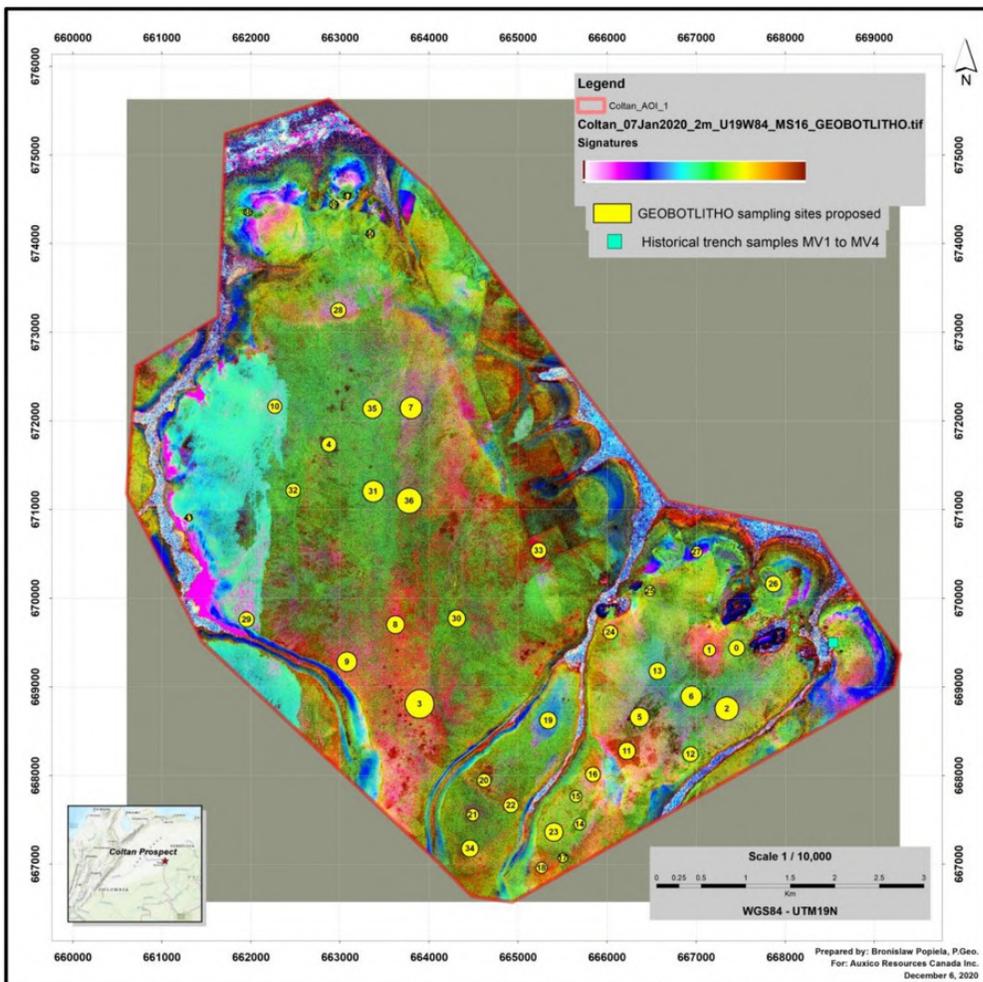


Figure 17. Sampling GeoBotLitho AOI 1

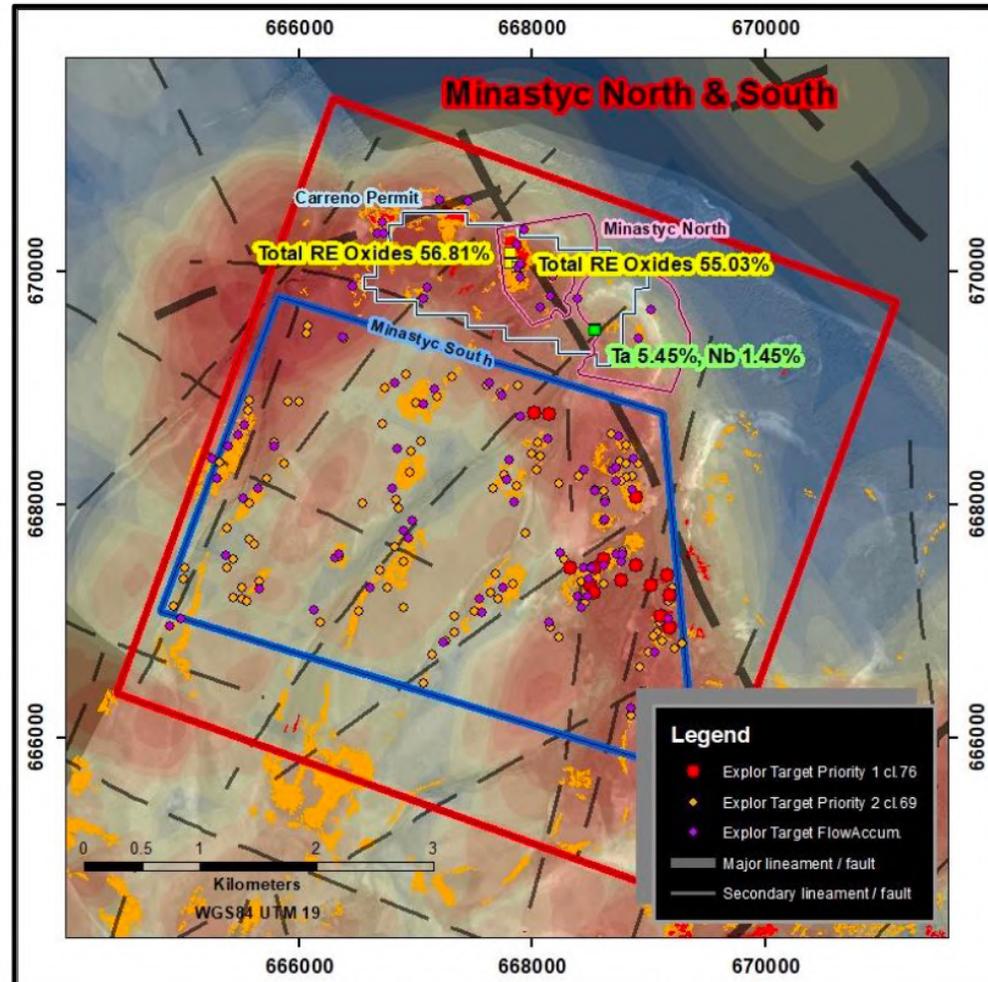
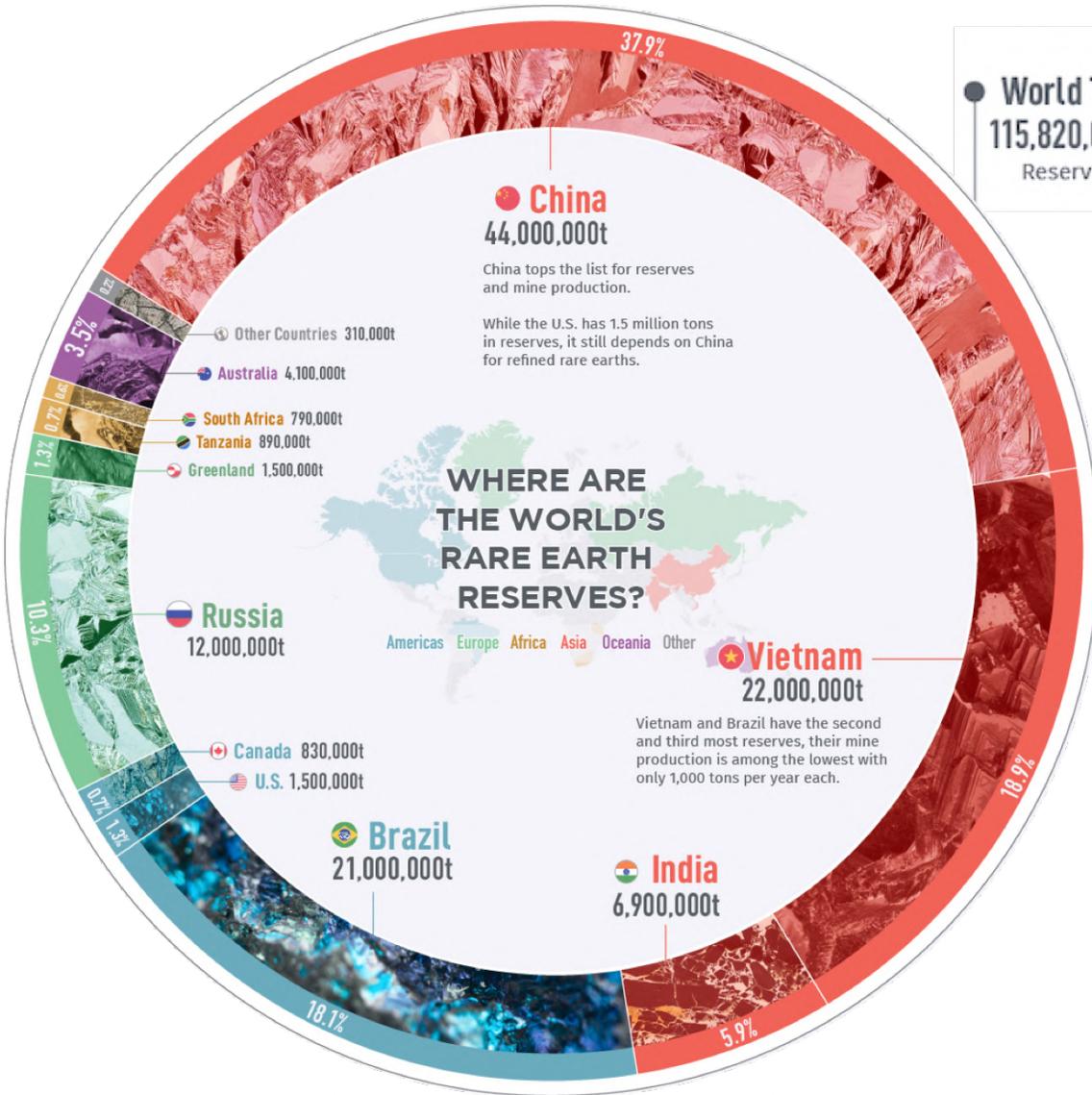
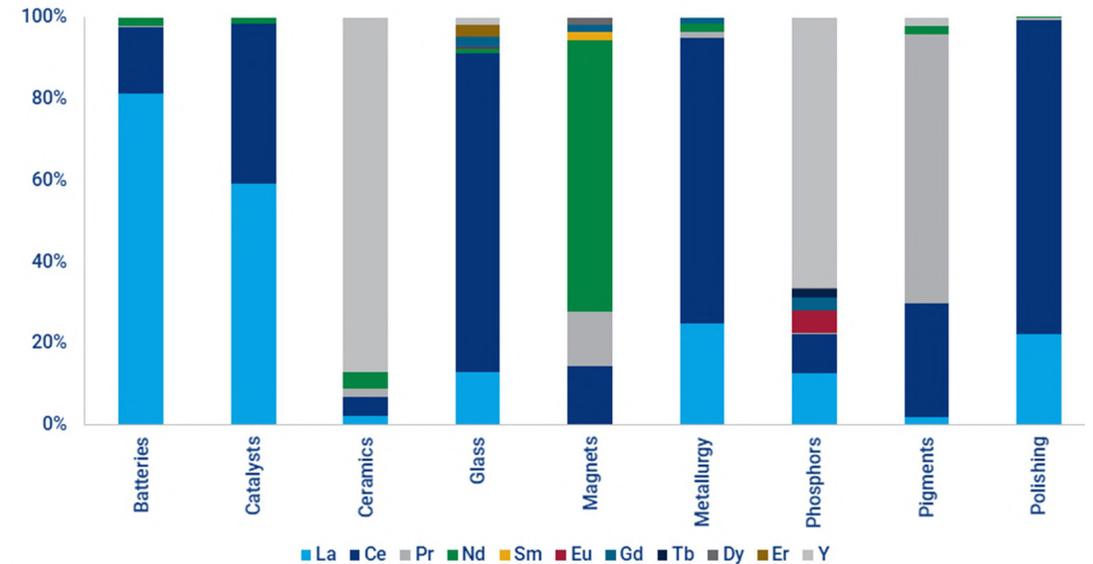


Figure 13. Exploration Targets, Linea Stress Image

RARE EARTH ELEMENTS



Distribution of rare earth demand in end-use applications, 2021 (%)



Source: Roskill, a Wood Mackenzie business. Note: rare earth distribution in terms of volume by application