Investor and Analyst Site Visit



Premier pure-play copper producer in Europe 28 October 2021





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Technical Disclosure

Unless otherwise noted, all scientific and technical information relating to the Proyecto Riotinto is based on and derived from a technical report entitled "Technical Report Update on the Mineral Resources and Reserves of the Riotinto Copper Project" dated July 2018, prepared by Alan C. Noble, P.E. of Ore Reserves Engineering, William L. Rose, P.E. of WLR Consulting, Inc. and Jay T Pickarts, P.E., (the "Technical Report"), each of whom are "Qualified Persons" as defined in the Canadian National Instrument 43-101 – Standards of Disclosure for Mineral Project ("NI 43-101"). The information contained herein is subject to all of the assumptions, qualifications and procedures set out in the Technical Report and reference should be made to the full details of the Technical Report which is filed under the Company's corporate profile on SEDAR at www.sedar.com and on its website.

Market and Industry Data

This Presentation also contains or references certain market, industry and peer group data which is based upon information from independent industry publications, market research, analyst reports and surveys and other publicly available sources. Although the Company believes these sources to be generally reliable, such information is subject to interpretation and cannot be verified with complete certainty due to limits on the availability and reliability of raw data, the voluntary nature of the data gathering process and other inherent limitations and uncertainties. The Company has not independently verified any of the data from third party sources referred to in this presentation and accordingly, the accuracy and completeness of such data is not guaranteed.

Use of Non-IFRS Financial Measures

This Presentation refers to certain non-IFRS measures such as EBITDA, operating cash flows before working capital changes, cash costs, total cash costs, all-in sustaining costs and net debt. However, these performance measures are not measures calculated in accordance with IFRS, do not have any standardized meaning prescribed by IFRS and therefore may not be comparable to similar measures presented by other issuers. These non-IFRS measures are furnished to provide additional information only, have limitations as analytical tools and should not be considered in isolation or as a substitute for measures of performance prepared in accordance with IFRS.



Atalaya Vision

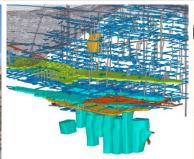
Asset Overview

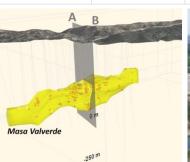


Robust portfolio of growth options that benefit from developed infrastructure

		Proyecto Touro			
	Cerro Colorado (current open pit)	San Dionisio / Planes-San Antonio (adjacent deposits)	Masa Valverde (satellite project)		
Location		Andalucía, Spain	Galicia, Spain		
Ownership	100%	100%	100%		Up to 80%
Stage	Producing (2016 – commercial production)	PEA / FS	Exploration / Permitting		Permitting (Pre-feasibility complete)
Primary Metals	Cu	Cu Zn	Cu Zn Cu Zn		Cu
Reserves	~703 kt Cu ⁽¹⁾	-	-		~392 kt Cu ⁽⁴⁾
M,I&I Resources	~750 kt Cu ⁽¹⁾	Historical (non-43-101) ⁽²⁾ ~800 kt Cu ~1,180 kt Zn	Inferred (4 ~440 kt Cu	3-101) ⁽³⁾ ~1,270 kt Zn	~680 kt Cu ⁽⁴⁾
(Inclusive)	, 55 Kt 64	~56 Moz Ag ~0.75 Moz Au	~72 Moz Ag	~1.3 Moz Au	000 Nt 00









Reserves and resources as at Dec-2020

Historical (non-43-101) resource estimate per Rio Tinto technical report by Behre Dolbear (Feb-2013) as available on SEDAR

Per NI 43-101 Technical Report by CSA Global Canada Geosciences Ltd (Dec-2017)

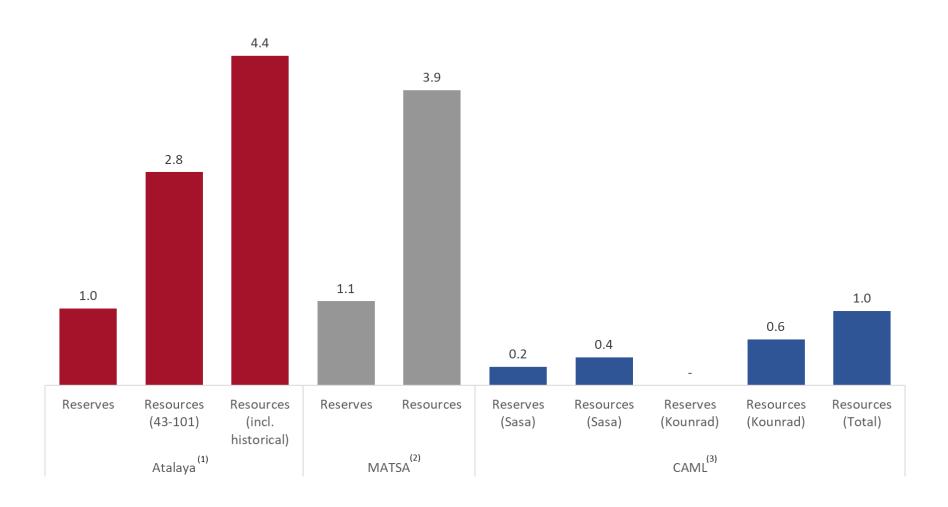
^{4.} As at Sept-2017; shown on a 100% basis

Total Resources



Large resource inventory provides significant optionality

Contained Metal (kt CuEq, attributable)



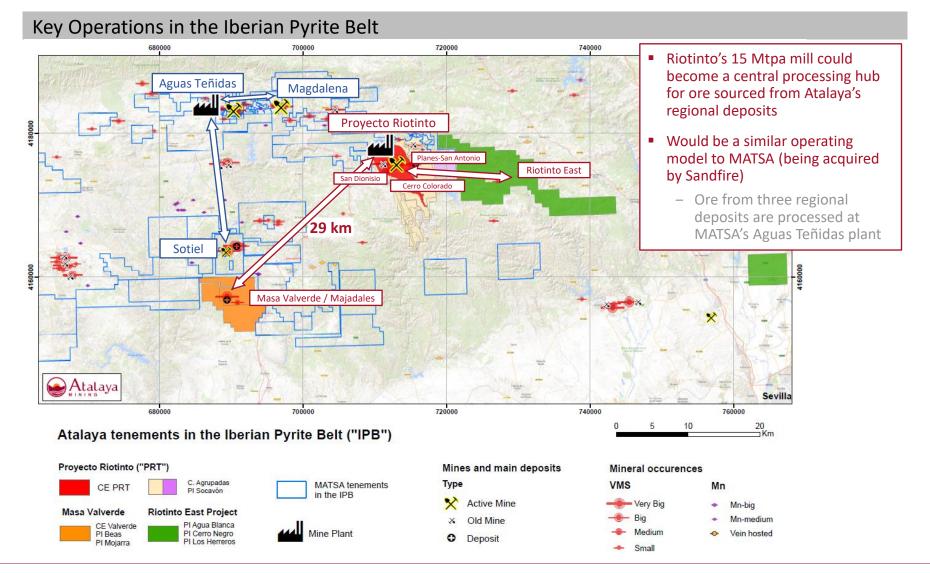
^{1.} CuEq based on consensus long-term prices; historical includes San Dionisio and Planes-San Antonio

^{2.} Based on Sandfire disclosure and metals prices

^{3.} CuEq based on consensus long-term prices; Kounrad resources as at Jun-2017

Potential Future Processing Hub





MATSA Transaction Benchmarking



Sandfire's acquisition of MATSA highlights Atalaya's strategic positioning

- Sandfire Resources (ASX: SFR) recently announced the acquisition of MATSA for ~US\$1.9 billion in cash
 - MATSA is Atalaya's neighbour in the Iberian Pyrite Belt
 - Acquired from joint owners Trafigura and Mubadala Investment Co.
- This transaction highlights the strategic value of:
 - Assets located in tier 1 mining jurisdictions like
 Spain
 - Operations and large land positions in world-class mineral districts like the Iberian Pyrite Belt

Key Metrics



Transaction metrics



Current trading metrics

MATSA premium to ATYM

		Transaction metrics	Current trading metrics	
Enterprise Value	US\$m	1,865	714	
Mill Capacity	Mtpa	4.7	15.0 (nameplate)	
			16.0 (current run-rate)	
Cu Production	kt	66	54-56	
		(FY21A)	(2021E)	
CuEq Production	kt	104		
		(FY21A)		
Cu Reserves	Mt	0.7	1.0	
CuEq Reserves	Mt	1.1	1.0	
Cu Resources	Mt	1.9	2.5(1)	
CuEq Resources	Mt	3.9	4.4 ⁽¹⁾	
Reserve Life	Years	6	>12(2)	
Resource Life	Years	~12	>20(2)	
EBITDA	US\$m	387	240	
		(FY21A)	(H1 2021A, annualised)	
EV / EBITDA		4.8x	3.0x	62%
EV / CuEq Reserves	US\$/lb	0.76	0.32	138%
EV / CuEq Resources	US\$/lb	0.22	0.07	192%

Source: Sandfire Resources and Atalaya public filings

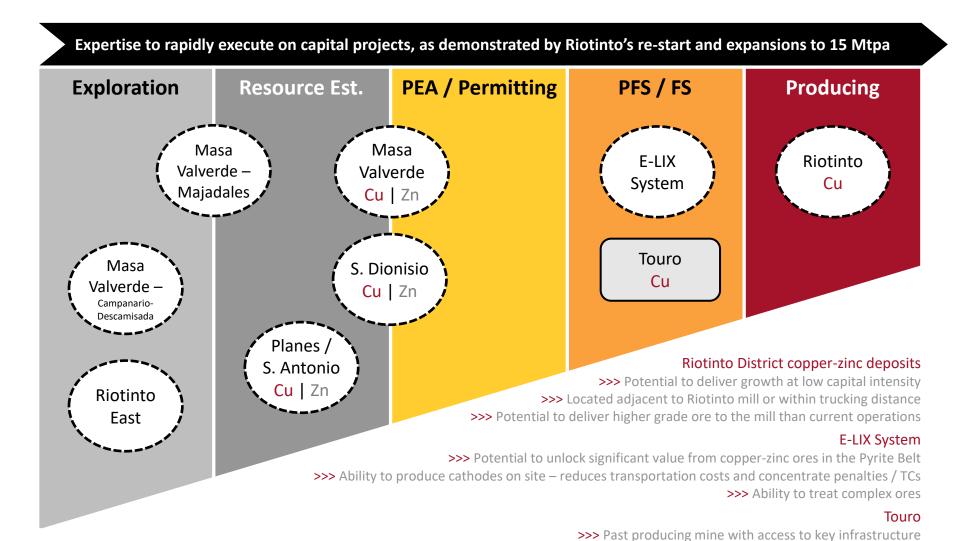
^{1.} Includes San Dionisio and Planes-San Antonio historical resources, plus Touro

^{2.} Based on Riotinto District only and 15 Mtpa throughput; resource life includes San Dionisio and Planes-San Antonio historical resources

Project Pipeline



Diverse portfolio of growth options can leverage common or existing infrastructure

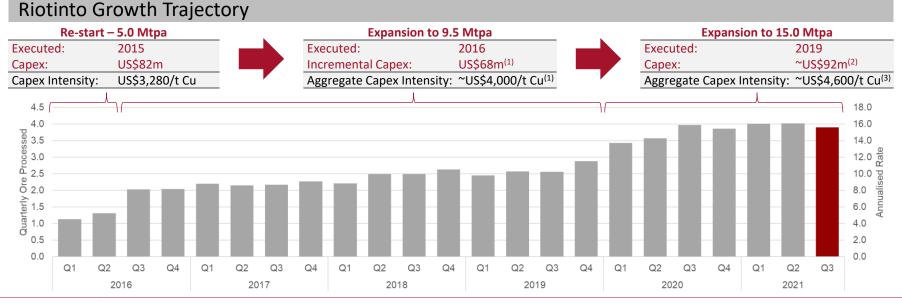


History of Delivering Growth at Riotinto



15M Expansion Project has delivered growth and is operating above nameplate capacity





- Approximately
- 2. Based on €80.4m and 1.15 EUR:USD
- 3. Based on midpoint of stated production range; for expected 15M incremental copper production of 15ktpa, capital intensity is ~US\$6,100/t Cu

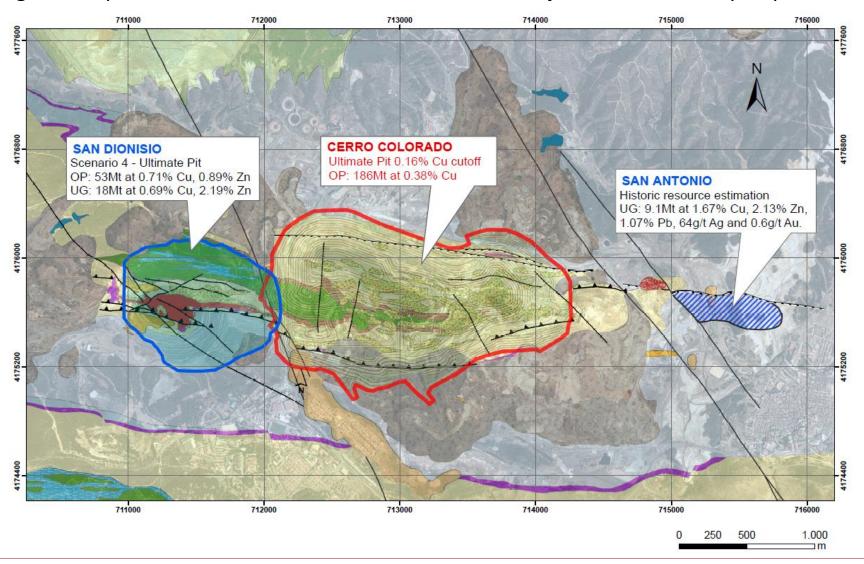


Riotinto District Growth Pipeline

Existing Orebodies at Riotinto



Significant potential from unmined orebodies located adjacent to current open pit



Cerro Colorado Reserves



New independent reserve estimate confirms status as a long-life copper mine

- New reserve estimate supports mine life of over 12 years at nameplate capacity of 15 Mtpa
- Performance over recent quarters demonstrates ability to operate at ~16 Mtpa
 - Maximises value of Cerro Colorado orebody
 - No low-grade stockpiling at present due to strong copper price environment
 - Mine plan can be modified to support cash flows in low price environment
- Strong mill performance creates opportunity to process ore sourced from regional deposits

Reserves as at Dec-2020						
				Total	Strip	
Classification	Ore	Cu Grade	Waste	Material	Ratio	
	kt					
Proven	138,929	0.38%				
Probable	46,791	0.38%				
Proven + Probable	185,720	0.38%	341,847	527,567	1.84	

Reserves at Various Cut-Offs						
	Cu Price Assumption	Cut-off	Proven + Probable	Cu Grade	Contained Cu	
	US\$/lb		kt		kt	
	\$4.00	0.12%	214,238	0.35%	743	
	\$3.75	0.13%	207,965	0.35%	735	
	\$3.50	0.14%	200,971	0.36%	726	
	\$3.30	0.15%	193,391	0.37%	715	
Base Case	\$3.10	0.16%	185,720	0.38%	703	
	\$2.90	0.17%	177,619	0.39%	689	
	\$2.80	0.18%	169,773	0.40%	676	
	\$2.66	0.19%	161,944	0.41%	661	
	\$2.55	0.20%	154,237	0.42%	646	

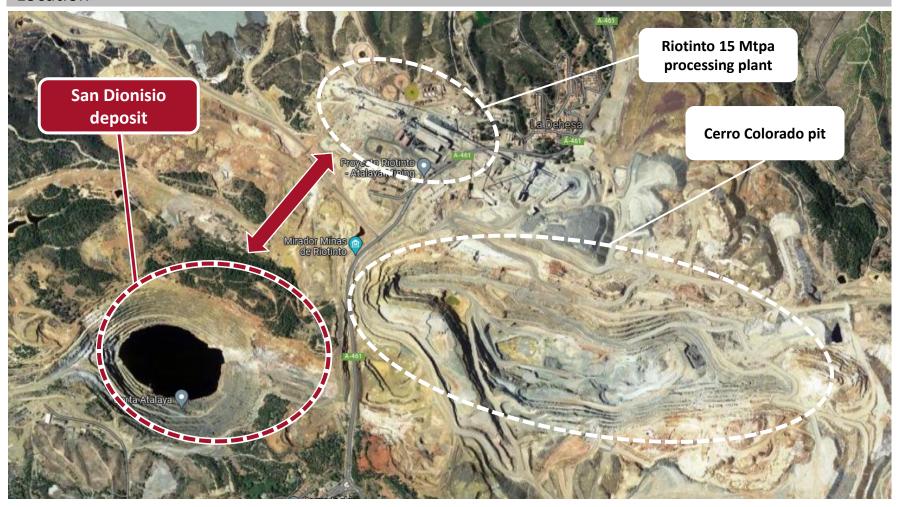
Source: Atalaya 24-Jun-2021 press release

San Dionisio



Orebody sits in close proximity to existing infrastructure and current open pit operations

Location



San Dionisio Deposit

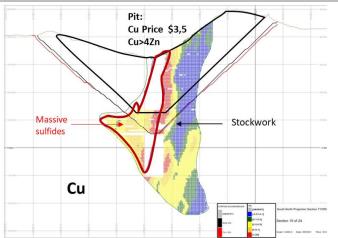


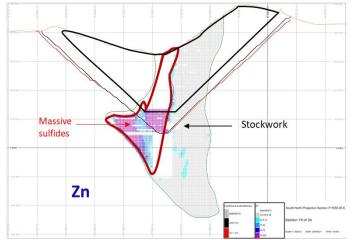
Potential for open pit mining of copper-only ore adjacent to existing infrastructure

- Substantial unmined resources, with historical mining concentrated on the high grade polymetallic massive sulphides and deep copper stockwork
- Historical mining records and drilling information was verified by Atalaya through 48 drill holes
- Announced internal resource estimate in Jun-2021
 - NI 43-101 technical report is in progress
- Economic studies are planned, including new mine plan that combines San Dionisio and Cerro Colorado

Internal R	esour	ce Est	timate	(1)و			
Mining	Strip	_	Grade			Contained	
Method	Ratio	Ore	CuEq	Cu	Zn	Cu	Zn
	w:o	Mt				kt	kt
Open Pit	3.8	52.6	0.91%	0.71%	0.89%	373	468
Underground 18.3		18 3	1.17%	0.69%	2 19%	126	401

San Dionisio Open Pit and Underground Mineable Resources

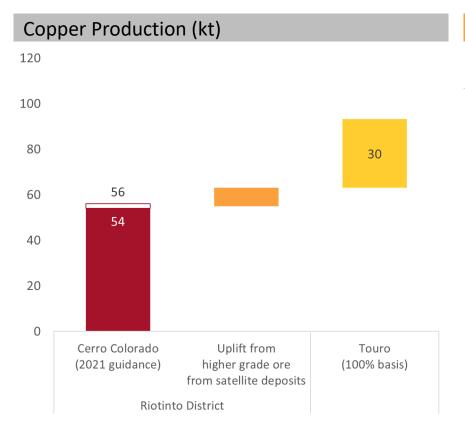




1. See Atalaya 24-Jun-2021 press release for further details

Illustrative Production Potential





		Ore feed from satellite deposits (Mt)					
		0.5	1.0	2.0	3.0	4.0	5.0
	0.50%	1	1	2	3	4	5
	0.55%	1	1	3	4	6	7
	0.60%	1	2	4	6	7	9
	0.65%	1	2	5	7	9	11
	0.71%	1	3	6	8	11	14
	0.75%	2	3	6	9	13	16
	0.80%	2	4	7	11	14	18
Copper	0.90%	2	4	9	13	18	22
grade	1.00%	3	5	11	16	21	26
from	1.10%	3	6	12	18	24	31
satellite	1.20%	3	7	14	21	28	35
deposits	1.30%	4	8	16	23	31	39
	1.40%	4	9	17	26	35	43
	1.50%	5	10	19	29	38	48
	1.60%	5	10	21	31	41	52
	1.70%	6	11	22	34	45	56
	1.80%	6	12	24	36	48	60
	1.90%	6	13	26	39	52	65
	2.00%	7	14	28	41	55	69

San Dionisio internal resource estimate (open pit)

^{1.} Illustrative figures only

Proyecto Masa Valverde



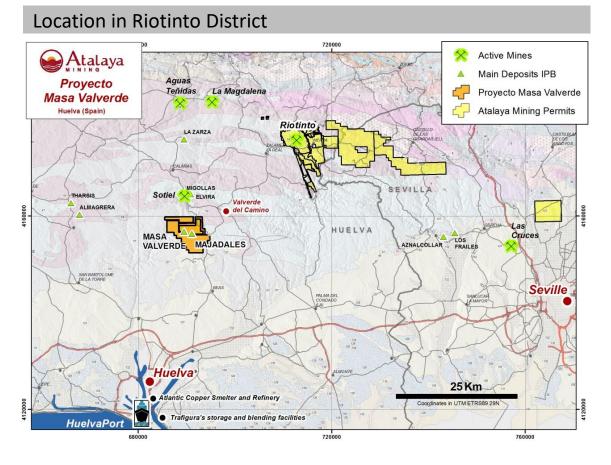
Among the largest undeveloped VMS deposits in the prolific Iberian Pyrite Belt

Background:

- Acquired in October 2020
- Project area includes two exploration permits that cover an area of ~4,000 hectares

Current activities:

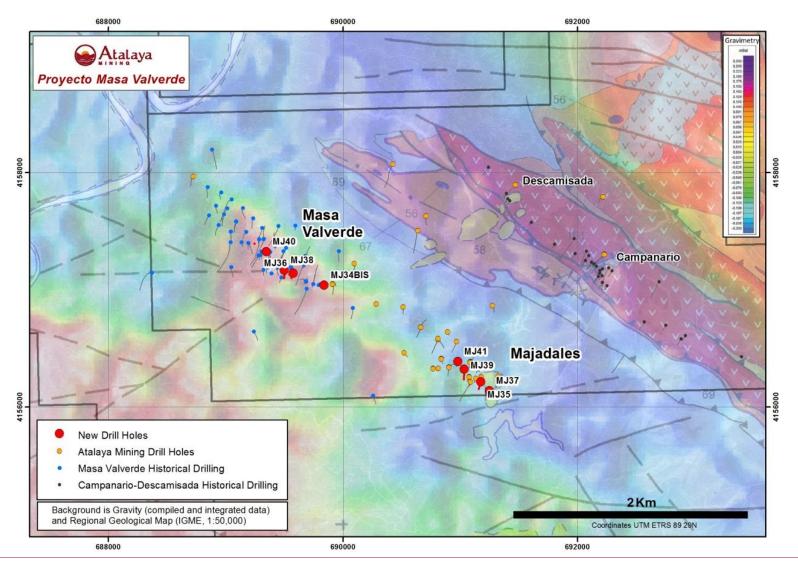
- Exploration campaign underway with 2 rigs
- Focus on the MV (polymetallic), Majadales (recent discovery) and Campanario (unexplored)
- NI 43-101 compliant resource estimate is in progress – expected Q1 2022
- Atalaya has filed for environmental permits



Proyecto Masa Valverde



Aggressive drilling program ongoing

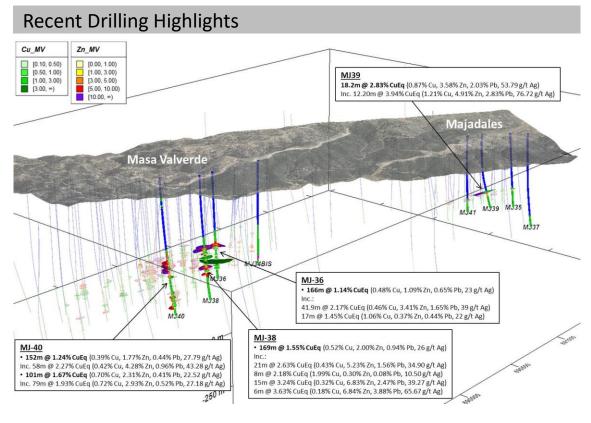


Recent Exploration Update



Approved extension of ongoing drilling programme following encouraging results

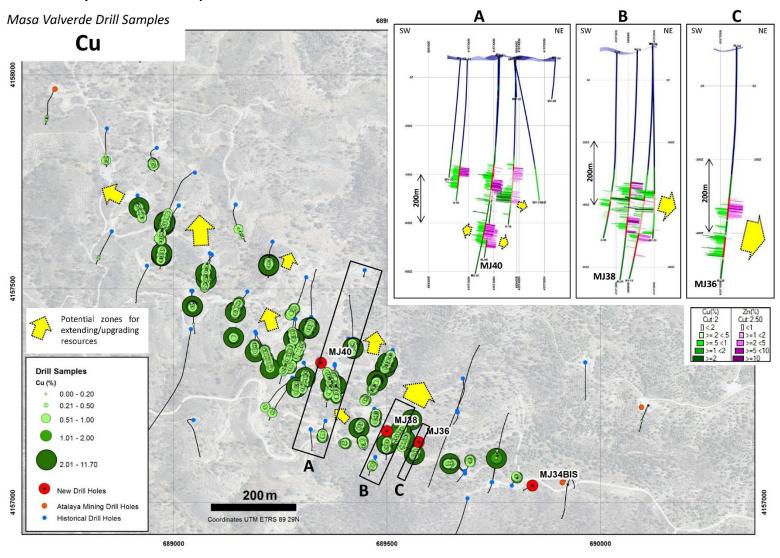
- Recent drilling intersected broad intervals of massive and stockwork type polymetallic sulphide mineralization
 - Including significant high grade intercepts at MV and Majadales
- Goals of ongoing drill campaign:
 - Gain confidence in resource estimate & obtain samples for metallurgical testing
 - Define extensions of known mineralization at MV and Majadales deposits
 - Test main geophysical anomalies generated during the recent FLEM survey
 - Determine ultimate exploration potential of the promising Campanario-Descamisada target zone



Masa Valverde Deposit



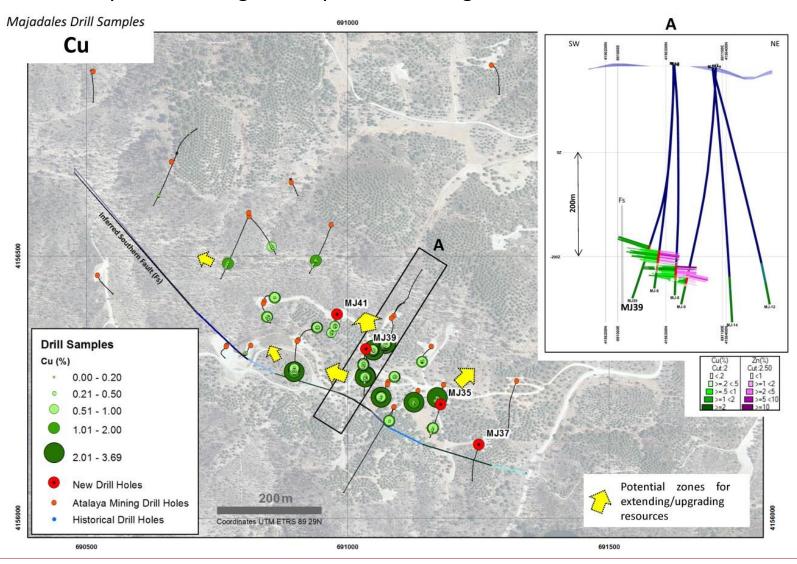
Mineralized system still open in several directions



Majadales Discovery



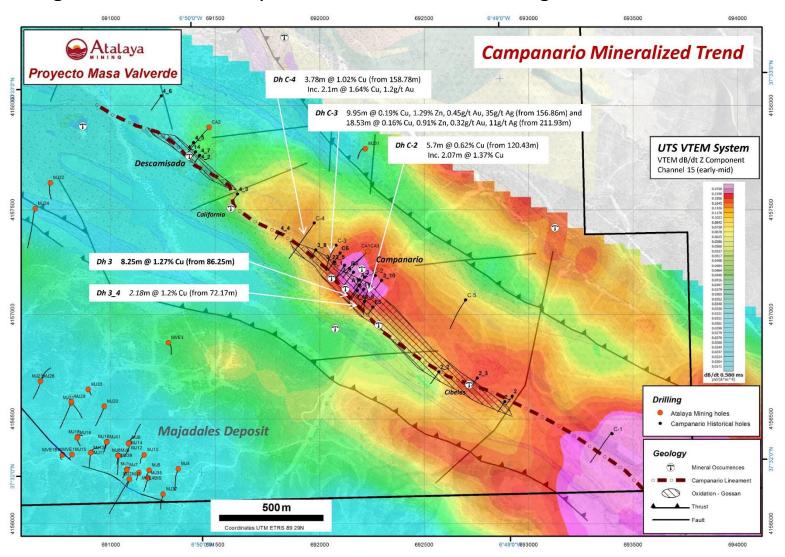
Good continuity, favourable geometry for UG mining and shallower than Masa Valverde



Campanario Area



Promising new area defined by numerous historical workings

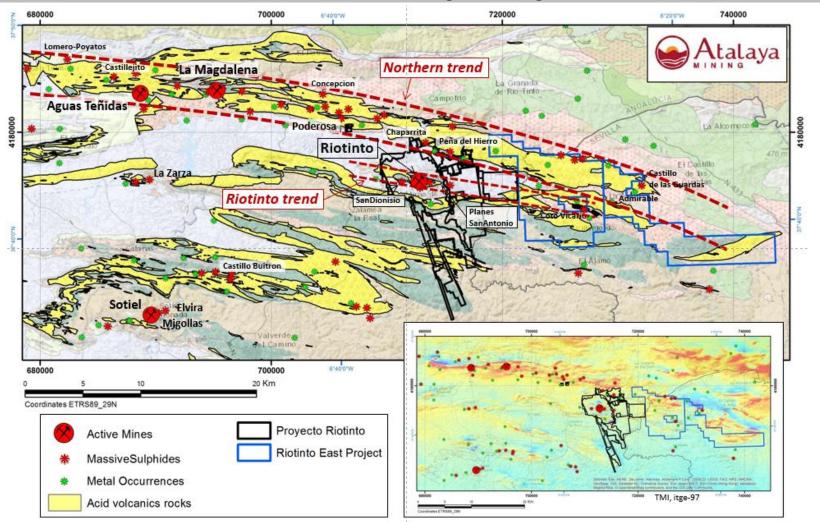


Proyecto Riotinto East



Atalaya continues to expand its regional footprint in the highly prospective Iberian Pyrite Belt

Location in Riotinto District – Peñas Blancas / Cerro Negro Investigation Permits





E-LIX System Update

E-LIX System



Potential to unlock additional value from Atalaya's existing orebodies and beyond



Highlights

Potential to unlock value from complex ores

including Atalaya's Cu-Zn deposits, elsewhere in the Iberian Pyrite Belt, and beyond

Cost savings potential

via reduced charges associated with concentrate transportation, treatment / refining and penalties

Environmentally friendly:

Reduces carbon emissions associated with concentrate transport and smelting

Overview

- Newly developed electrochemical extraction process developed and patented by Lain Technologies
 - Involves the application of singular catalysts and physicochemical conditions
 - Atalaya has an exclusive licence in Spain / Portugal
- Atalaya built and operates a 5tpd pilot plant at Riotinto
 - Delivered consistent production of copper cathodes on site
 - Proven efficiency at pilot plant scale with continuous feed
 - Optimal results proven for global concentrates including Cu/Zn
- Given this success, Atalaya commissioned a feasibility study to evaluate the development of an industrial scale plant
 - Results have been very encouraging







Proyecto Touro

Proyecto Touro Overview



Past producing mine with well understood orebodies and excellent infrastructure



Rey ligures 2010 lie i	casibility Stady		
30 kt Cu annual production	US\$1.85/lb AISC		
90 Mt ore reserves ~170 Mt ore resources ⁽²⁾	~390 kt Cu contained reserves		

80% ownership, post earn-in⁽³⁾

Key Figures – 2018 Pre-Feasibility Study⁽¹⁾

20.5% IRR

(at US\$3.00/lb Cu)

US\$185m

upfront capex

Overview

History

- Past-producing open-pit mine, which was operated by Riotinto Patiño from 1973-1986 using conventional flotation
- In 2017, Atalaya Mining entered into a phased earn-in agreement to acquire up to 80% ownership⁽²⁾

Location

- Located in the Galicia Autonomous Region in north-western Spain and ~20 km east of Santiago de Compostela
- Strong infrastructure in place, including high voltage power and a road network that provides access to an international airport and a number of deep-water ports

Permitting Process

- In January 2020, Atalaya announced that a negative Environmental Impact Statement (Declaración de Impacto Ambiental) had been signed by the Xunta de Galicia
- Atalaya, with its independent experts, is preparing a new project approach that is designed with a "zero risk" philosophy with respect to the environment and downstream water systems



2. M,I&I resources, inclusive of reserves

>12 years

initial mine life

Shown on 100% basis; see Atalaya Mining announcement dated 23-Apr-2018

Proyecto Touro Update



Permitting Process

- Following receipt of formal communications from the Xunta de Galicia in relation to the Environmental Impact Statement, Atalaya continues to evaluate its options to address the feedback
- Atalaya continues to be confident with its world class approach to Proyecto Touro and is designing a new project that will:
 - Use a "zero risk" philosophy with respect to the environment and downstream water systems
 - Eliminate water over tailings to avoid any "perceived" risk of potential downstream impacts
 - Include a first phase "fully plastic-lined TMF" contained within an overdesigned downstream compacted rock embankment, with a second phase TMF within a mined out pit with plastic lining
 - Address and provide definitive solutions for historical environmental liabilities
 - Include simultaneous backfill and restoration of mined out areas from day one of the project
 - Include ESG initiatives such as reduction of carbon footprint (solar and hydro power), agreements with neighbour agri-business and zero water discharge
 - Replicate in Touro the success story of Proyecto Riotinto, including the use of local workforce and service companies, social community programs, engagement with municipalities and operational excellence

Ongoing Engagement

- Regular meetings with local stakeholders
- Information office open to the public
- Support of community initiatives

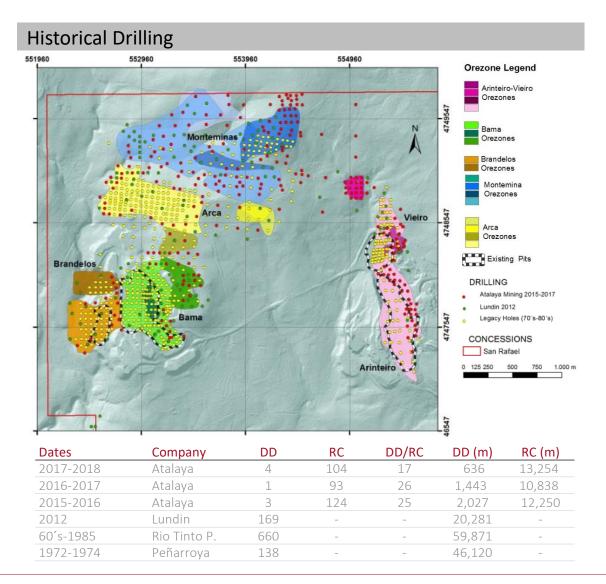




Proyecto Touro Exploration



- Previous mining combined with more recent exploration work provides Atalaya with a good understanding of the deposit
 - Mineralisation is found in shallow, sub-horizonal sheets
- Mineralisation remains open to the north, west and south





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