



FRAME

FORECASTING AND ASSESSING EUROPE'S
STRATEGIC RAW MATERIALS NEEDS

WP7 Historic Mine Sites revisited

Deposit Fact Sheet

Lousal Mine

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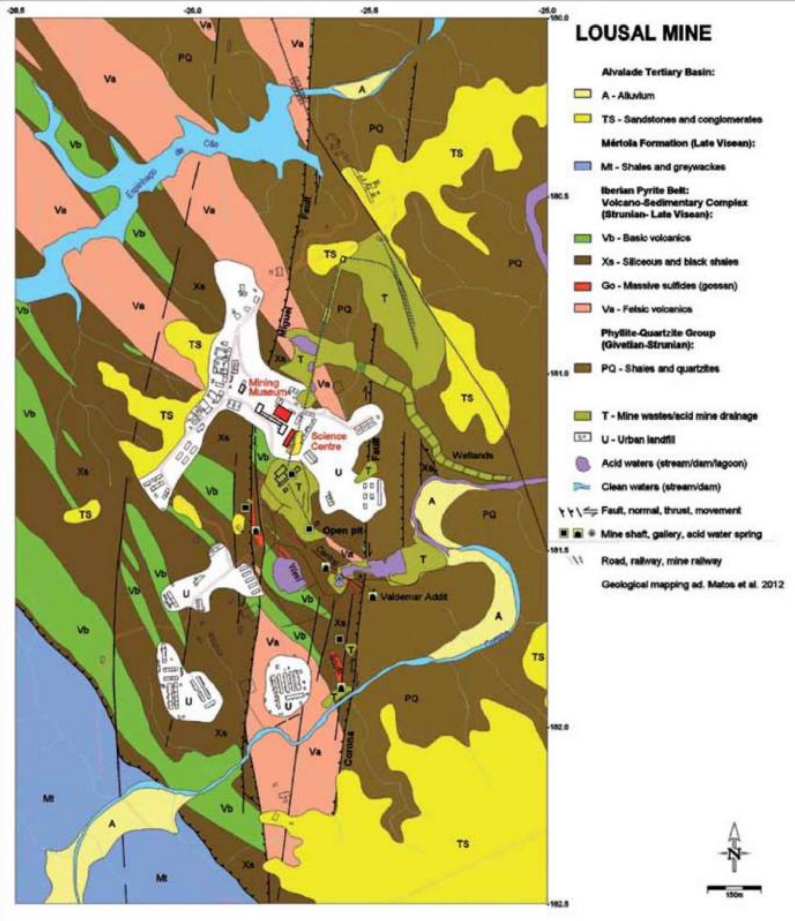
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Name of deposit		Lousal mine (Iberian Pyrite Belt)														
																
Ad. Matos et al., in Relvas et al. 2012		<table border="1"> <thead> <tr> <th rowspan="2">Location</th><th rowspan="2">Country</th><th rowspan="2">(nearest) Town</th><th colspan="2">Coordinates</th></tr> <tr> <th>Latitude</th><th>Longitude</th></tr> </thead> <tbody> <tr> <td></td><td>Portugal</td><td>Lousal</td><td>38.0308</td><td>-8.4258</td></tr> </tbody> </table>			Location	Country	(nearest) Town	Coordinates		Latitude	Longitude		Portugal	Lousal	38.0308	-8.4258
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Main Commodity/ies	Cu	Pyrite	
By-products	Zn, Pb		
CRM potential	Au, Se, Co, In, Ag	As, Hg, Sb	

Type of deposit	Mine waste					
Mine Status	Closed, rehabilitated. Lousal Science Project - Ciência Viva Centre					
Period of activity	Start	End				
	1900	1988				
Production	Annual production	Tonnage	type	Cumulative historic production (period)	Tonnage	Type
	1960's and 1970's	230000-250000	Ore concentrate			
Regional Geology						
Host rock(s)		Age of host rock				
Acid volcanic rocks and black shales		Strunian (Upper Famennian)				
Mineralization						
Ore forming minerals		Age of mineralization			Ore grade	
Pyrite, chalcopyrite, sphalerite, galena		Strunian			45% S e 0,7% Cu	
Deposit Type		Massive sulphide and stockwork				
						
		Lousal massive and stockwork ore, exploration drill hole LS08001-2 (De Oliveira et al., 2013).				

Reserves	Reserves (t metal)	Code	Category/ies
Resources	Resources (t metal)	Code	Category/ies
	< 50Mt (sulphides)		



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Access restrictions	yes	no	unknown
		x	
	Type of restrictions		
	None. Educational open pit visits by the CCV Lousal, www.lousal.cienciaviva.pt		
Ownership	Type of owner	Name	
	Foundation	Frederic Veldge Foundation	

References	Literature	Links
	Relvas et al. 2012 SGA News, Nº 31, June 2012, p. 1-16. Matos et al., 2014, ISSN: 0873-948X, e-ISSN: 1647-581X. De Oliveira et al., 2013, SGA Meeting, V. 2, 564-567.	www.lneg.pt www.lneg.pt/download/9169/

Remarks
Old massive sulphide mine rehabilitated by the EDM public company Geological and mining heritage Iberian Pyrite Belt site included in the <i>Pyrite Route</i>