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FORECASTING AND ASSESSING EUROPE'S
STRATEGIC RAW MATERIALS NEEDS

WP7 Historic Mine Sites revisited

Deposit Fact Sheet

Aljustrel Mine

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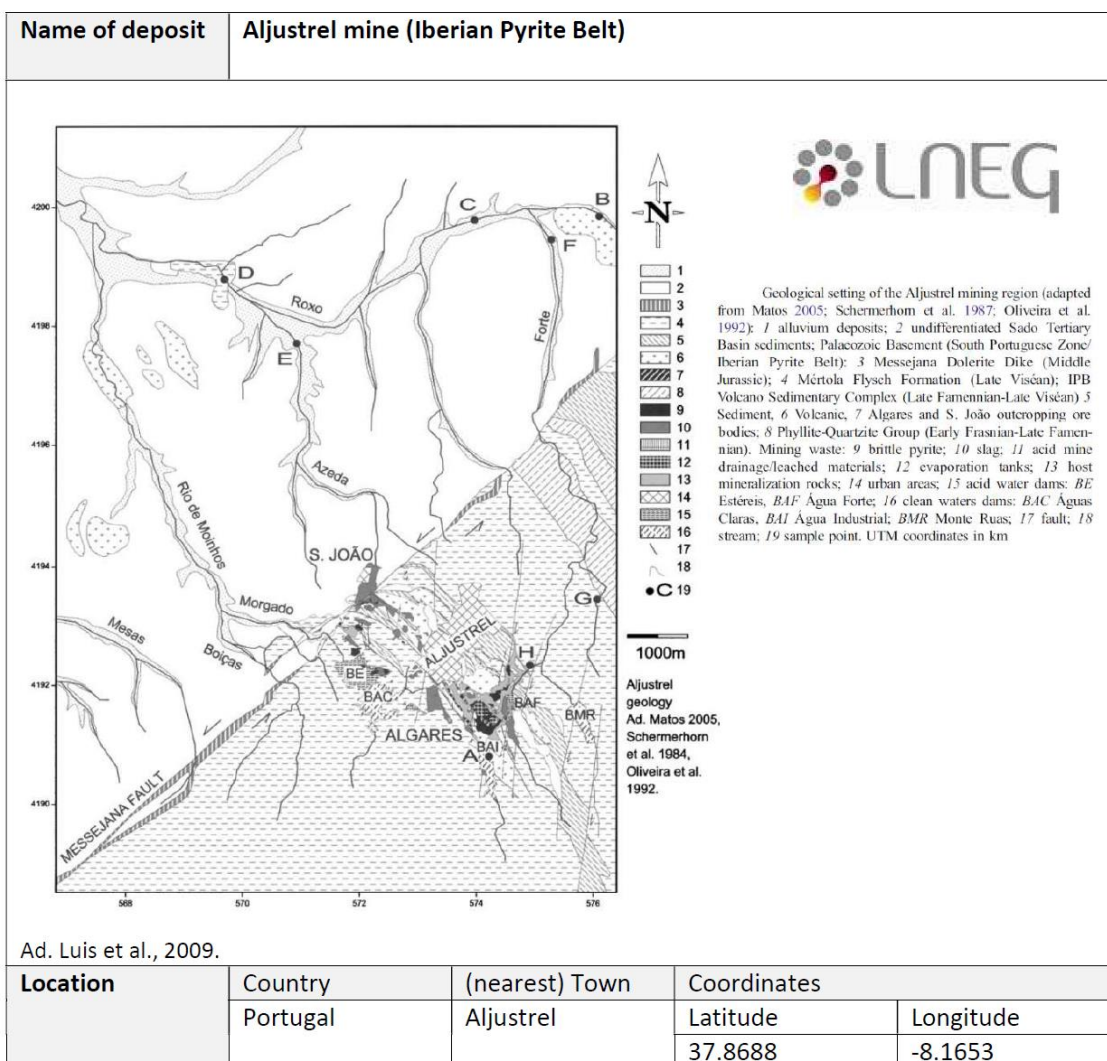
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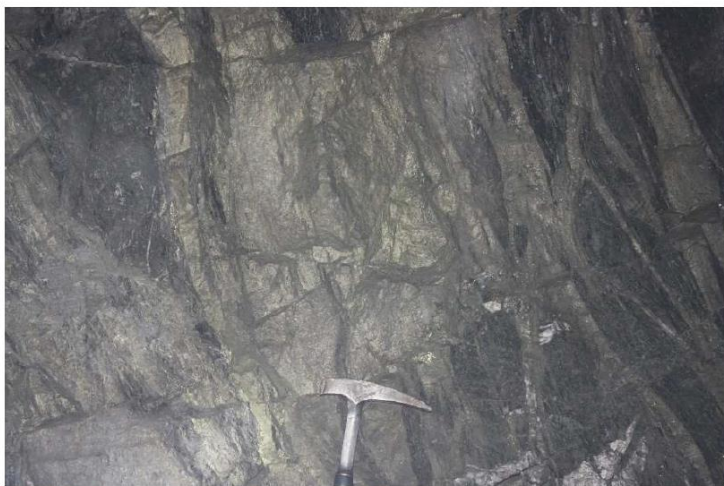
Main Commodity/ies	Cu, Zn	Pb	
By-products			
CRM potential	Ag, Au, Se, Co, In	As, Hg, Sb	

Type of deposit	Massive sulphide and stockwork (active mining) + mine wastes					
Mine Status	Active mining (Feitais and Moinho sectors), mine rehabilitation (Algarves and São João sectors)					
Period of activity	Start	End				
	Roman	Active				
Production	Annual production	Tonnage	type	Cumulative historic production (period)	Tonnage	Type



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	2018	1,8 Mt	Ore concentrate			
Regional Geology						
Host rock(s)		Age of host rock				
Acid volcanic rocks		Tournaisian				
Mineralization						
Ore forming minerals		Age of mineralization		Ore grade		
Pyrite, chalcopyrite, sphalerite, galena		Tournaisian		Feitais: 9,707 Mt, 2,18% Cu, Moinho: 4,077 Mt 1,95% Cu,		
Deposit Type		Massive sulphide and stockwork				
						
Feitais deposit banded massive sulphide and stockwork ore						

Feitais deposit banded massive sulphide and stockwork ore

Reserves	Reserves (t metal)	Code	Category/ies
	>20 Mt (sulphides)		
Resources	Resources (t metal)	Code	Category/ies
	> 200 Mt (sulphides)		

Access restrictions	yes	no	unknown
	x		
	Type of restrictions		
	Restrictions in the Almima area. None in the educational trails of Algarès		
Ownership	Type of owner	Name	
	Mining company and municipality	Almina company and Aljustrel Municipality	

References	Literature	Links
	Schermerhorn et al., 1987. Notícia Explicativa da Carta Geológica 42D Aljustrel, SGP, 55p. Barriga & Fyfe, 1988. Giant pyritic base-metal deposits: the example of Feitais, Aljustrel, Portugal. Chemical Geology 69: 331-343.	www.lneg.pt http://www.lneg.pt/download/9167/



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	Leitão, J., 1998. Geologia dos depósitos de sulfuretos maciços de Aljustrel. Liv.-Guia V Cong. Nac. Geologia, IGM, p. 91-100. Silva et al., 1997. Field Trip nº2, Aljustrel and Central Iberian Pyrite Belt. SEG Neves-Corvo Field Conf. Guidebook, V. 27. 73-124. Matos et al., 2010. VIII Cong. Nac. Geologia, e-Terra, 21, 10, www.researchgate.net/publication/295859876	
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Remarks

Active underground mining area at Feitais and Moinho deposits. Algares and São João mine sectors (Roman and 19th and 20th centuries mining) rehabilitated by the EDM public company. Geological and mining heritage projects at Algares including the gossan geosite. Geological and mining heritage Iberian Pyrite Belt site included in the *Pyrite Route*