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FORECASTING AND ASSESSING EUROPE'S
STRATEGIC RAW MATERIALS NEEDS

WP7 Historic Mine Sites revisited

Deposit Fact Sheet

St. Litija – Sitarjevec

Author: Klemen Teran



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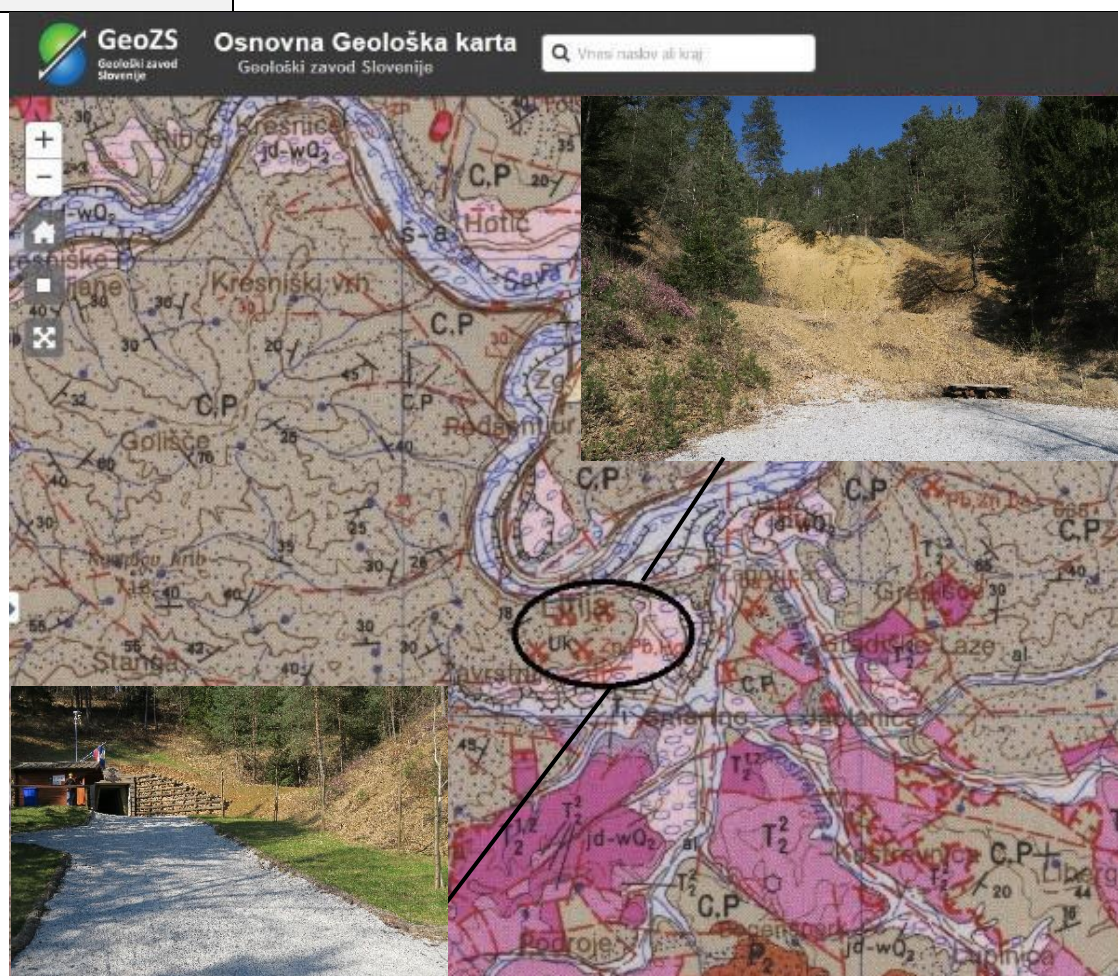


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Name of deposit

Litija – Sitarjevec



(Source: <http://biotit.geo-zs.si/ogk100/#>)

Location	Country	(nearest) Town	Coordinates	
	Slovenia	Litija	Latitude	Longitude
			46.0451	14.8225

Main Commodity/ies	By-products	CRM potential
Pb, baryte	Hg, Zn	baryte



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Type of deposit	Ore, mine waste		
Mine Status	closed		
Period of activity	Start	End	
	16 th century	1966	
Production	Cumulative historic production (period)	Tonnage	Type
	start-1965	50,000 t Pb 30,000 t baryte 42.5 t Hg 1 t Ag	metal content metal content metal content metal content

Regional Geology		
Host rock(s)	Age of host rock	
Sedimentary – quartz sandstones and black shales	Paleozoic – Carboniferous	
Mineralization		
Ore forming minerals	Age of mineralization	Ore grade
Galena, sphalerite, baryte, cinnabar, hematite, chalcopryite, pyrite, tetrahedrite, bournonite, siderite, realgar	Paleozoic – Carboniferous	Dependant on ore body type
Deposit Type	Hydrothermal veins and SEDEX ore body	
		
	Interior of the mine – recent limonite speleothems are visible (Source: https://www.litija.si/objava/108424)	



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Baryte ore veins in quartz sandstone (photo: Klemen Teran)

Mine waste deposits resources (official data from 31.12.1957)	Resources (t ore)	Code	Category/ies
	128,066	1.57 % Pb and 0.47 % Zn	/
Ore resources - ore veins and mine wastes (internal mine data 1965)	Resources (t ore)	Code	Category/ies
	485,280	2.04 % Pb, 29.03% BaSO ₄ and 0.44 % Zn	A+B+C
Reevaluation of the mining waste deposits (FRAME, 2020)	Resources (t ore)	Code	Category/ies
	132,000	0.8 % Pb, 5.1 % BaSO ₄ , 0.025 % Zn	/

Access restrictions	yes	no	unknown
	yes		
	Type of restrictions		
	One part of the mine is transformed into the museum		
Ownership	Type of owner	Name	
	Municipality	Municipality of Litija	



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References	Literature	Links
	Drovenik., M and Pleničar, M., 1980: Nastanek rudišč v SSR Sloveniji = The origin of Slovenian ore deposits, Geologija 23/1 Mlakar, I., 1993 O problematiki Litijskega rudnega polja = On the problems of the Litija ore field, Geologija 36.	http://biotit.geo-zs.si/ogk100/# http://www.geologija-revija.si/dokument.aspx?id=492 https://www.dlib.si/stream/URN:NBN:SI:DOC-COEUB53A/c16db67c-70cf-47dd-82a0-e32fd762633d/PDF https://www.litija.si/objava/108424 https://www.delo.si/novice/slovenija/odpridel-rudnika-sitarjevec-v-litiji.html?iskalnik=Sitarjevec

Remarks
Resources are calculated according to the Russian system of resource categorization and classification. A reassessment of mining waste in 2020 was carried out for the samples taken on the surface (0-30 cm).