



Sustainable Low Impact Mining solution for exploitation of small mineral deposits based on advanced rock blasting and environmental technologies

## CLUSTERING WORKSHOP

### SUSTAINABLE LOW IMPACT MINING (SLIM)

### BEST PRACTICES IN RAW MATERIALS IN EUROPE

**DATE:** SEPTEMBER 14, 2019, 2 PM  
**VENUE:** SCANDIC MARINA CONGRESS CENTER, KATAJANOKANLAITURI 6, HELSINKI, FINLAND

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#### PROGRAM

Time		Project
14:00-14:15	1. Welcome <i>Jari Honkanen</i> President, European Federation of Explosives Engineers	
14:15-14:40	2. SLIM: Technology for blasting to improve mining <i>José A. Sanchidrián</i> Universidad Politécnica de Madrid	SLIM
14:40-15:30	3. Quantification in surface mining: measurements as the key to improvements <i>Andreas Gaich, Peter Schimek &amp; Philipp Hartlieb</i> 3GSM, VA Erzberg & Montanuniversität Leoben	SLIM
15:30-16:00	4. A Novel approach to the rockburst hazard prevention methods based on blasting <i>Piotr Mertuszka</i> KGHM CUPRUM	SIMS
16:00-16.30	<i>Coffe break</i>	
16:30-17:00	5. On-line sampling & analysis in grade control on blast benches and bulk ore sorting <i>Jukka Raatikainen</i> IMA Engineering Ltd Oy	ITERAMS
17:00-17:30	6. Sustainable explosive and blast design developments <i>Paulo Couceiro</i> MAXAM	SLIM
17:30-18:00	7. Real-Time Mineral X-Ray Analysis for Efficient and Sustainable Mining <i>Janne Paaso</i> VTT Technical Research Centre of Finland	X-MINE
18:00-18:30	8. Social License to Operate: Due Diligence for a Sustainable Mining Approach <i>Juan Capeáns</i> Zabala Innovation Consulting	SLIM
18:30-18:45	9. Discussion and conclusions	
18:45	<i>Workshop ends</i>	

The SLIM Clustering Workshop is sponsored by



SLIM project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement n° 730294.