

Global Benefits

➤ Optimal mining

➤ Early rehabilitation

**A better social image
of the mining industry !**

➤ Easy adaption to other industrial
sectors
(recycling, nuclear, marine mining)

➤ Knowledge transfer and education
through interdisciplinary industrial
oriented research

**Transferable to EU and
overseas stakeholders !**

Academic & Industrial Partners



ERAMET

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DI TRENTO



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**Sonic Drilling coupled with
Automated Mineralogy & Chemistry**

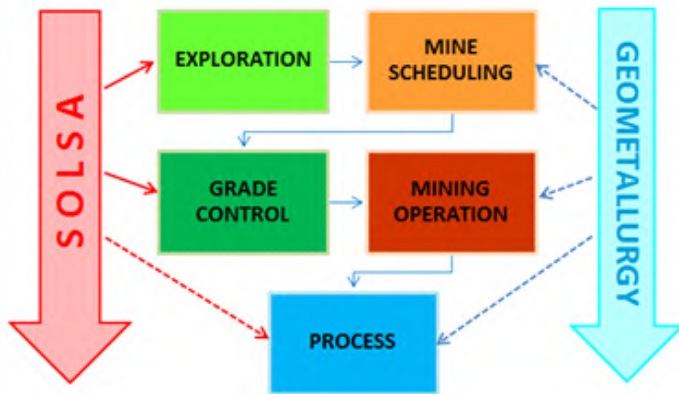
on-line-on-mine-real-time



An innovative project
for sustainable exploration
technologies and geo-models

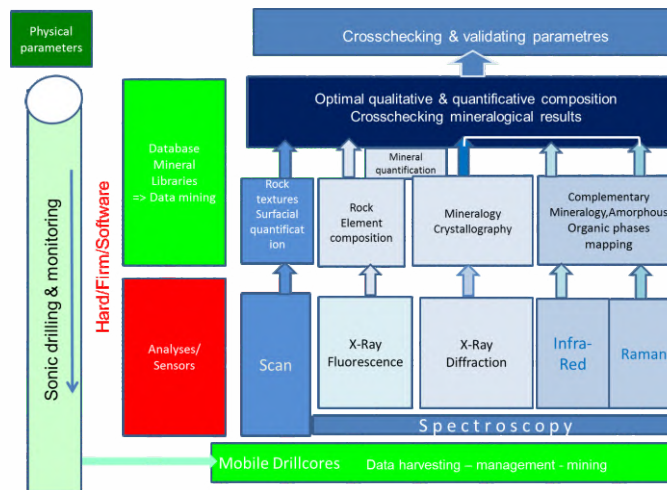
Challenges in Exploration & Mining

Dramatically increasing costs in exploration and mining (rising water, power, reagent and steel prices, less favourable ore characteristics) needs a new breakthrough in automated sampling and analysis to speed up exploration, mining and decision making to anticipate dysfunctions.



SOLSA The Innovative Solution

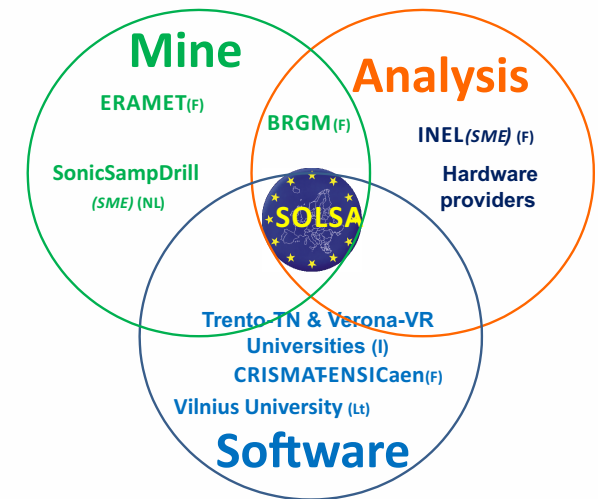
The SOLSA project seeks to develop the first world existing integrated, « on-mine-on-line-real-time » expert system pushing Europe in front in robust combined and automatized analyses on best quality drill cores.



- Optimal recovery and lithological coherence of drillcores
- Reliable semi-quantitative mineralogical textural and chemical analysis
- Intelligent mining of « Big Analog Data » in real time
- Easy-to-use software
- Demonstrating the scientific open data basis necessity for industrial valued edition

Consortium

8 partners from 4 countries pool together their more than 20 years experiences in transdisciplinary cooperation.



Competences

