

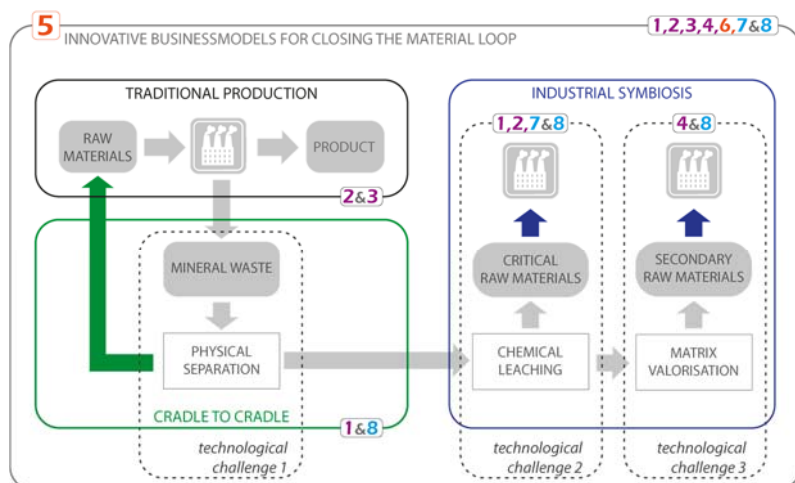


## UPGRADING OF SECONDARY LEAD SMELTING RESIDUE TO SECONDARY IRON ORE

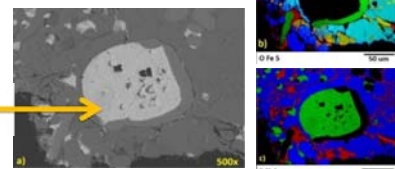
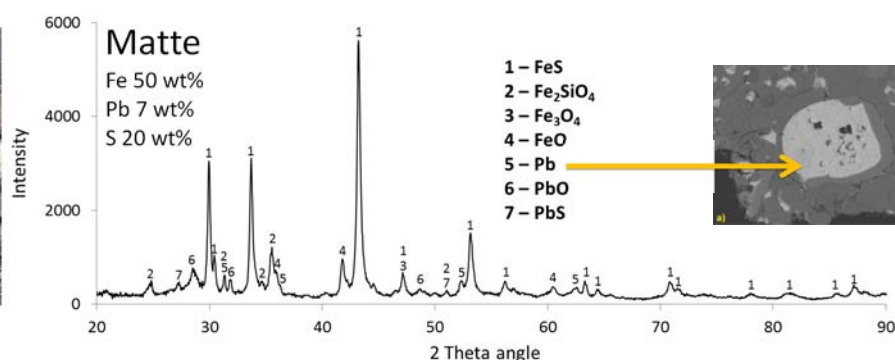
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**LIMS**

Dry

Wet



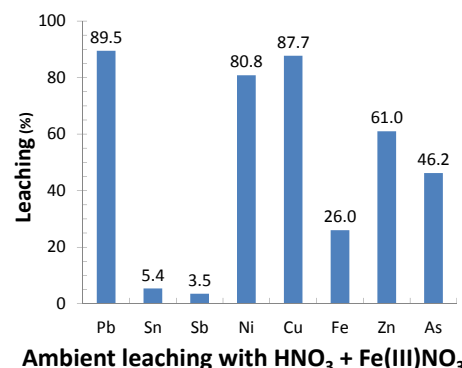
Fe 53 wt%  
Pb 7.3 wt%  
S 27 wt%

**Roasting + WHIMS**

**WHIMS**



Fe 61 wt%  
Pb 5.7 wt%  
S 4.0 wt%



**Result:**

- Combination of LIMS with atmospheric leaching results in final product with more than 60% Fe (secondary Fe ore)
- Further refining possible by oxidative roasting and WHIMS to reach a purity of 97% Fe oxides



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