

# Recovery of molybdenum as an additional value of steel making dust processing.

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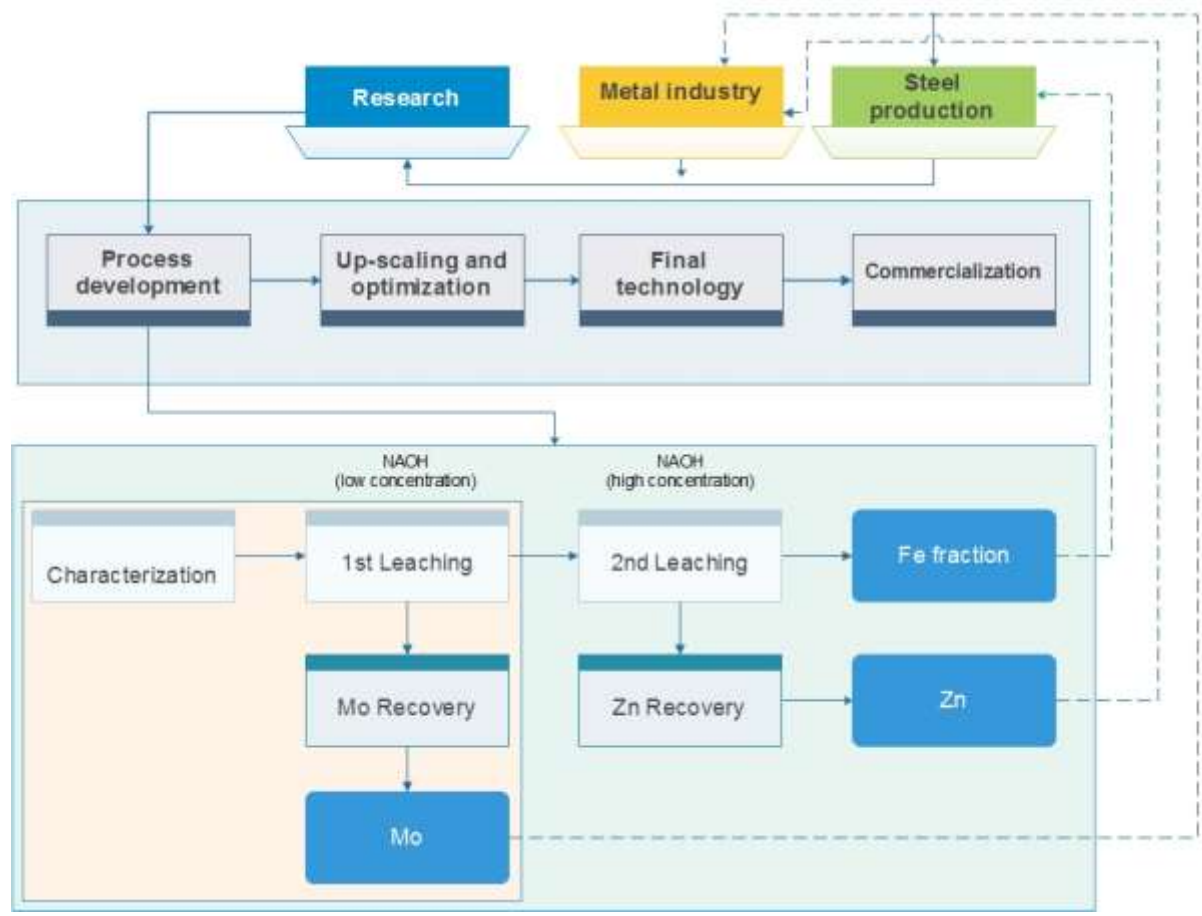


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Sample providers: MEROX AB, Uddeholms AB and Erasteel AB.

# Purpose and goal of the project



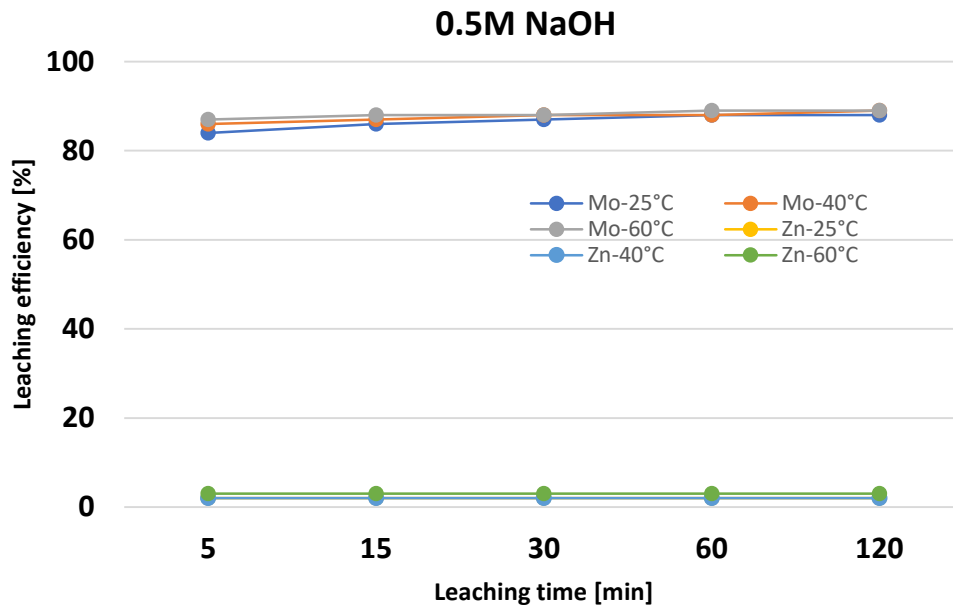


Figure 1: The effect of temperature on Mo leaching using 0.5M NaOH.

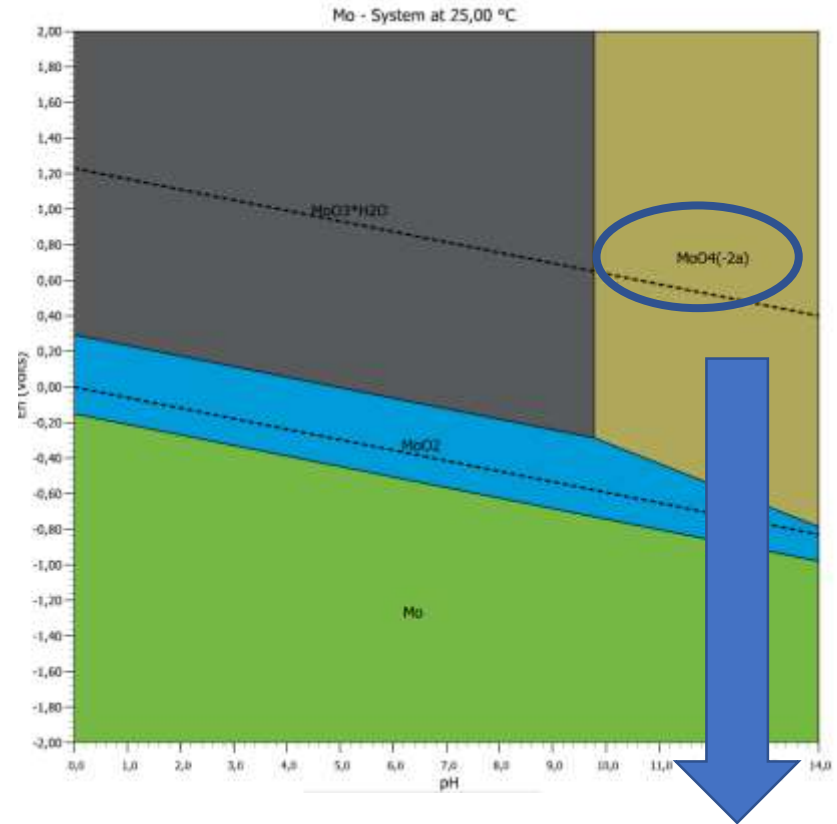
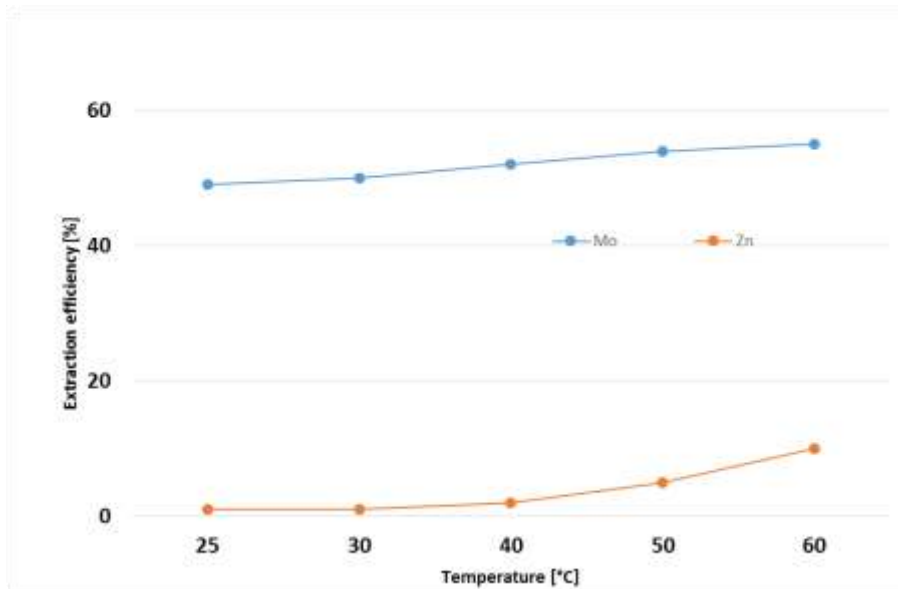


Figure 2: E-pH diagram for system Mo-H<sub>2</sub>O at 25°C.

Aliquat 336 (tricapryl-methyl ammonium nitrate) is a quaternary ammonium salt extracting different species with an anion exchange mechanism.



1<sup>st</sup> separation via selective leaching  
 2<sup>nd</sup> separation via solvent extraction

Mo price: 225 000 SEK/ton (\*LME)  
 Zn price: 26 000 SEK/ton (\*LME)

