



**European  
Copper Institute**  
Copper Alliance

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# Confirmation of the T/DP-E results

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# Confirmation of the T/DP-E results



- Method development by Canmet MINING – Natural Resources Canada
- In parallel, further exploratory work at University of Michigan
  - Confirmation
  - Effect of selected experimental conditions

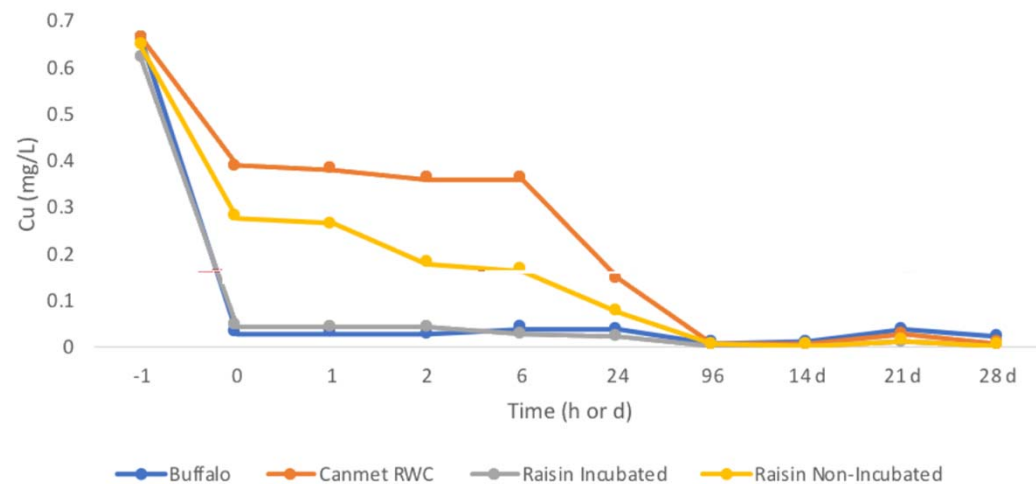


# Metal removal under varying T/DP-E conditions

Cu

## Copper removal at University of Michigan

- Various substrates
- Pre-incubation
- Outcome consistent with results by CANMET

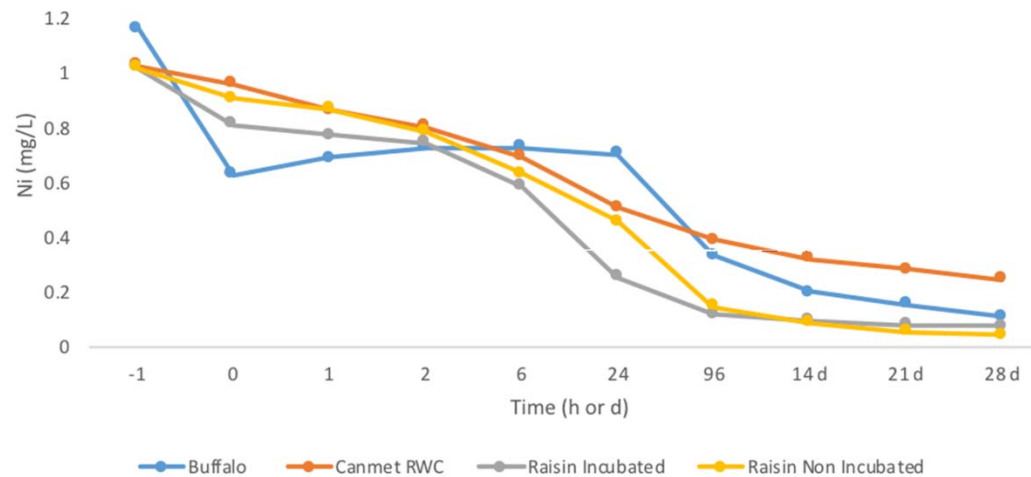


# Metal removal under varying T/DP-E conditions

Cu

## Nickel removal at University of Michigan

- Various substrates
- Pre-incubation
- Outcome consistent with results by CANMET

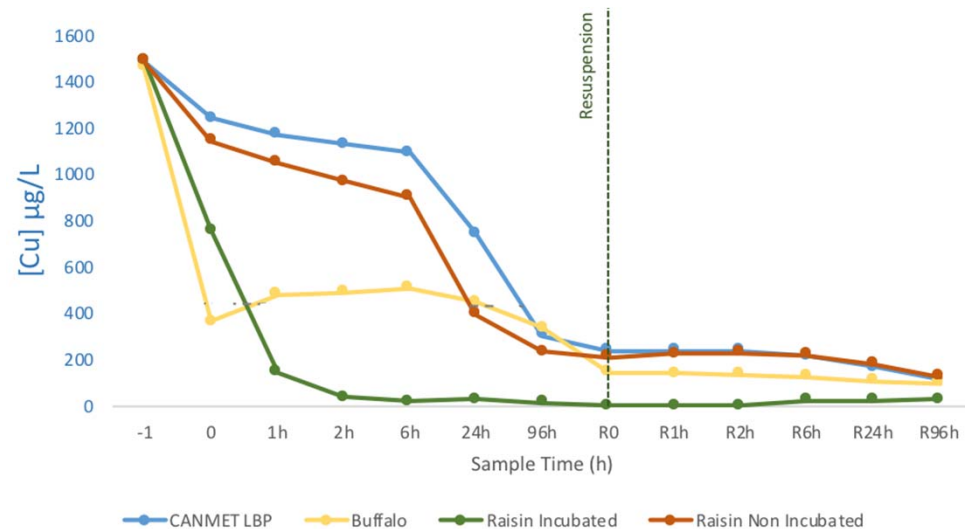


# Metal removal under varying T/DP-E conditions

Cu

## Copper removal at University of Michigan

- Effect of resuspension on various substrates
- Resuspension triggered a pH change in some of the substrates tested
- To be considered for substrate selection

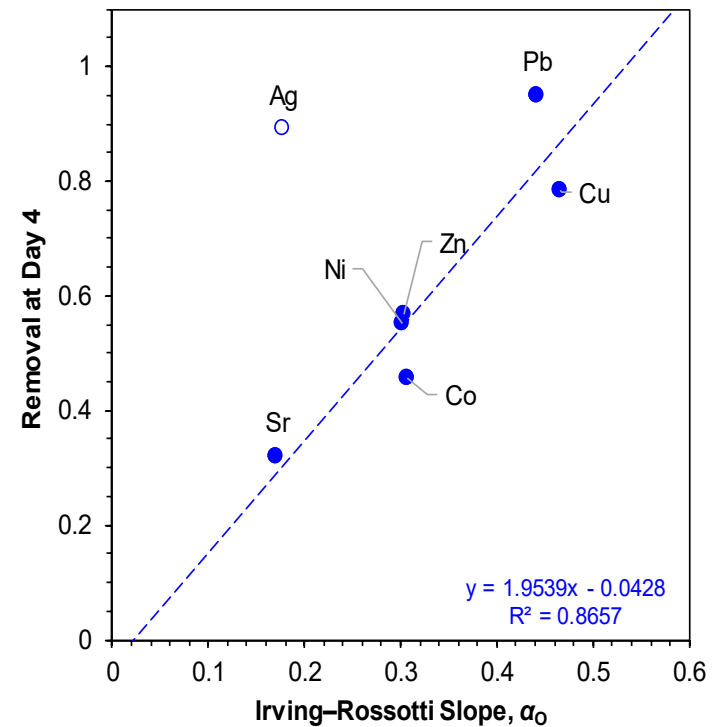


# Linking T/DP-E results to the properties of metals



## Contrasting T/DP-E results between metals

These differences can be related to the intrinsic properties of metals



# Conclusions

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- Results from different laboratories confirm **robustness** of T/DP-E
- The effect of **varying experimental conditions** was explored
- T/DP-E results allow to **discriminate between metals**

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# Thank you

For more information please contact  
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