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## Upscaling:

### CROWD SOURCING OF A CORROSION PREDICTION TOOL (CROCOR)

Conditions for the processes related to RAW MATERIALS industry are harsh: extreme pH, presence of oxidants and aggressive ions, high T and P.

For each process and every ore, the chemistry is different and changing.

→ Materials selection for process facilities extremely difficult.

- ***The solution:***

At present, we have a computational tool to estimate pitting corrosion risk in given conditions developed based on experimental data and phenomenological simulations → a successful concept.

- ***The project:***

Extension of the tool: crowd sourcing of empirical data + computational modelling + verification in real processes

- ***Partners already identified:*** Outotec Finland Oy

- ***Wanted additional partners :***

- Research partners: well-equipped corrosion labs, high-level corrosion simulation, software and database engineering
- Industrial partners: process owners (process industry), equipment manufacturers, material suppliers.

# Upscaling:

## CROWD SOURCING OF A CORROSION PREDICTION TOOL (CROCOR)

Existing tool for corrosion risk prediction under evaporative conditions

Up-scaling in: Processes & conditions, tool protocols & operations

