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## Upscaling– *Realisation of Real Time Mining*



- Idea:
  - Integrated system for real time updating of the resource model to optimise mine planning decisions.
  - Integrates underground positioning, real time material characterisation and monitoring while excavating into an operational package
- Expected synergies and complementarities:
  - Consistent with emerging trends in the global mining industry.
  - Builds upon the use of big data and machine learning concepts for proactive decision making.
  - Builds and exploits the research developed and demonstrated in H 2020 Real Time Mining project (facilitates transition from TRL 6 – TRL 9)
- Outcomes: Outcome is a software package that includes multi-parameter data integration, data interpretation and visualisation/synthesis for resource model updating and enhance decision making in raw material extraction and is developed from research. Software also contains connection with exploration instruments.
- Market & Business opportunities: Mining, more effective operations and costs savings
- Partners already identified: TU Freiberg
- Wanted additional partners: Spectral Industries, Sandvik Mining, DMT.

[Short Title Idea]

[Room for supporting diagram or picture if necessary]