

Contact point for this idea: Jan-Henk Welink TU Delft; j.h.welink@tudelft.nl, cc Dr. Deyan Draganov; D.S.Draganov@tudelft.nl

Upscaling– SES: Smart Exploration Software



- Technology: Software for smart exploration for: retrieval of virtual seismic data from existing active seismic data using seismic interferometry (SI); improved statics using refractions retrieved from SI; improved statics estimation using surface and body waves; shallow fault and fracture detection using surface waves and SI
- Expected synergies and complementarities:
 - Fits with new approach for exploration of deeper targets with increased imaging capabilities
 - High-resolution, cost-effective, and lower environmental impact: obtains extra data at no extra field cost
 - Builds on research for Smart Exploration H2020, to run in 2018
 - Test the software with new data from new sites (looking for stakeholders – exploration and service companies)
- Outcomes:
 - A professional software package developed from research to serve stakeholder and service companies. Package will consist of two parts
 - Increased TRL level above the planned level for Smart Exploration
 - New data for new sites
- Market & Business opportunities:
Exploration: deeper targets, cost effective and lower environmental impact
- Partners already identified: Uppsala University, Politecnico di Torino
- Wanted additional partners : Atlantic Copper S.L.U., Atlas Copco Rock Drills AB, DMT GmbH & Co. KG, ERAMET Research



