



Emerson Partners with Smart Exploration Project to Address the Challenges of Mineral Exploration in EU

Access to Emerson's SKUA-GOCAD E&P software will support development of cost-effective, environmentally-friendly methods that greatly reduce time between exploration and production.

The Smart Exploration Project is working with global engineering and technology leader, Emerson, to support the project's mission of developing cost-effective tools and methods for mineral exploration by providing SKUA-GOCAD™ licenses to project partners for the duration of the project. The software will allow partners to create highly accurate models of the subsurface for mineral exploration and extraction.

[GOCAD™](#), an industry-leading solution for seismic, geological and reservoir modeling for over 20 years, was significantly enhanced in 2010 with the addition of SKUA™ geologic grids, creating the most technologically advanced modeling application on the market. With the SKUA-GOCAD integrated product suite, geoscientists and mineral explorationists can create accurate subsurface models by incorporating surface, near surface, and subsurface geologic data without unwarranted simplifications.

"We are grateful to Emerson for becoming our first Smart Exploration *Project Friend*. This partnership brings significant added value to our work. It grants us full usage of the SKUA-GOCAD solution suite, ensuring the smooth transmission and deployment of data. This will result in a more time-efficient delivery of results among the partners and to the outside world," said Alireza Malehmir, Project Coordinator for Smart Exploration.

Emerson partners with organizations to drive innovation and promote the development of new solutions to problems affecting the industry. In addition, Emerson's commitment to STEM includes supporting over 350 academic institutions globally.

"Emerson is excited to be a part of the Smart Exploration project in its endeavors to develop new technologies for mining and mineral exploration. In collaborative projects like Smart Exploration, we can develop new methods that reduce time and support sustainable economic growth in the EU and beyond. This is in addition to the Smart Exploration objectives of procuring a greater yield from raw material operations while drastically reducing environmental impact," said Aymen Haouesse, Director of Modeling at Emerson's E&P software business.

The Smart Exploration project is an ambitious undertaking funded by EU's Horizon 2020 Programme (project number 775971) that began in December 2017. The Project involves 27 partners from research and academic institutes, Subject Matter Experts, mining companies, and civil society organisations. Their joint goal is to bring 47 deliverables in the mineral

exploration field. Smart Exploration seeks not only to develop and disseminate new solutions for the sustainable production of raw materials for the EU, but to also create results that will allow improved exploration in the EU and beyond.

Emerson's Exploration & Production (E&P) Software group is the largest independent developer of software-enabled solutions to the global oil and gas industry. Together with its leading position in the market, SKUA-GOCAD is also widely used in the mineral exploration industry. Today, as part of Emerson, the E&P Software group continues to invest in short and global long-term development projects. Locally, it offers support in all the major energy centers around the world. For more information on Emerson E&P Software solutions, see www.Emerson.com/epsoftware.

The beneficiaries and partners of Smart Exploration are:

Stakeholders: Yara, Somincor/Lundin Mining

SME's: Geopartner, GeoVista

Research Institutes: IGPAS, LNEG, NIO, NTUA, Polito, SGU, TUBAF, TUDelft, University of Helsinki, University of Turku, Uppsala University



Research	
Innovation	Action