

- Tools for sustainable gold mining in EU

NEEDS

- Gold mining has challenges in eco-efficiency and extraction methods (e.g. cyanide)
- Novel sustainable methods and technologies for mineral processing, water treatment and management of environmental and social impacts are needed

APPROACH

- New geophysical techniques for gold exploration
- Eco-efficient ore beneficiation methods and alternatives to cyanide leaching
- Novel water treatment solutions by advanced adsorbents
- Solutions for monitoring, characterising, predicting and preventing environmental effects of mining
- Tools for enhancing the corporate social responsibility, community engagement and management of the stakeholder relations
- Case studies in Finnish, Swedish, Portuguese and Romanian mines

BENEFITS

- Supports environmentally, socially and economically sustainable gold production in EU
- Technologies and solutions to manage economical and environmental risks related to gold mining

USERS & COMPETITION

- Global mining industry, technology companies, equipment suppliers, consults and authorities in EU
- Direct and significant economic benefits

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More info: <http://projects.gtk.fi/susmin/>