



PARTNER SEARCH FORM

DATE: 13/12/2010
PROJECT INFORMATION
<p>TITLE: Development of an expert system for efficient dust emission control in mining and quarrying industry.</p> <p>ACRONYM: EXDUSTCON</p>
<p>SUMMARY: Especially nowadays, environmental impact and mainly dust emission due to mining and quarrying activities (including transportation of industrial rocks and minerals ores) has become a major social and environmental issue demanding more advanced technological solutions. Main idea of this project is to develop and propose an innovative expert system in order to control efficiently and thus minimize dust emissions among mining and quarrying industries.</p> <p>During this project, all dust measuring and dust suspension methodologies will be evaluated among participating countries. Also a network of monitoring stations of selected mining sites will be established. All data will be evaluated and a decision making expert system will be developed in order to provide the best dust-emission control solutions for minimizing environmental impacts in mining sites as well as the nearby areas.</p>
<p>KEYWORDS*: Mining, Environmental Monitoring & Assessment</p>
<p>CALL: BS-ERA.NET 2010</p>
<p>NAME(S) of the PARTNER(S) INVOLVED:</p> <ol style="list-style-type: none"> 1. Technical University of Crete, Department of Mineral Resources Engineering, Hania, GREECE, Director: Assistant Professor M. Galetakis 2. ErgoProlipsis Partnership, OH&S and Environmental Experts, Director: I. Aspirtakis
<p>SCIENTIFIC AND TECHNOLOGICAL EXPERTISE OFFERED*:</p> <p>Research group has a great experience in environmental assessment in mining industries and is contributed by experts in the field of dust measurements and emission control. Some relevant recent researchers' publications are listed below:</p> <ul style="list-style-type: none"> Risk assessment and risk management in quarry industries, Aspirtakis, Galetakis, 2008, Quarry magazine, vol-8, 44-50 Dust emission control and silica risk, Aspirtakis, Vrodakis, Galetakis, 2008, Quarry magazine, vol-10, 58-63 Crystalline silica dust determination in limestone aggregate quarries in Greece, AMIREG 2009, Galetakis, Alevizos, Aspirtakis F. Pavloudakis, M. Galetakis & C. Roumpos, 'A spatial decision support system for the optimal environmental reclamation of open-pit coal mines in Greece', Int. Journal of Mining, Reclamation and Environment, 23(4), 291 – 303.
PARTNER SOUGHT
<p>SCIENTIFIC AND TECHNOLOGICAL EXPERTISE REQUESTED:</p>

Universities and research institutes expertise on environmental management, environmental parameters measurement, as well as companies from mining industry.
EXPECTED CONTRIBUTION TO THE PROJECT: Partners are mainly expected to provide dust measurements and existing control techniques from local mining and quarrying industries, and lesser to contribute to the development of the expert system.
ORGANISATION TYPE*: <div style="display: flex; justify-content: space-between;"> <div><input checked="" type="checkbox"/> Higher Education</div> <div><input checked="" type="checkbox"/> Research Institute</div> </div> <div style="display: flex; justify-content: space-between;"> <div><input checked="" type="checkbox"/> R&D Company</div> <div><input checked="" type="checkbox"/> SME</div> <div><input checked="" type="checkbox"/> Other</div> </div>
HOW MANY PARTNERS ARE REQUIRED? 2-3
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* **mandatory fields**