Reuse of mining waste into innovative geopolymeric-based structural panels, precast, ready mixes and insitu applications

Fact Sheet

Project Information

REMINES
Grant agreement ID: 645696

Project website

Funded under H2020-EU.1.3.3.

Status
Closed project

Start date 1 January 2015
End date 31 December 2018

Overall budget € 621 000

EU contribution € 567 000

Coordinator
UNIVERSIDADE DA BEIRA INTERIOR
Portugal

Objective

The construction sector, currently in crises in some countries due to the economic development model adopted during last decades, can again play an important role for the European economy to be more innovative by using fewer resources (raw materials and energy) and reducing environmental impact (emission of greenhouse gases and dust pollution). Access to raw materials and resource efficiency are at the forefront of the EU political debate and recycling is a main part of the solution of many strategic objectives. It addresses resource scarcity and enhances security of material supply, while contributing to higher energy efficiency and lower environmental impacts. Moreover, recycling offers significant investment, innovation and employment opportunities in the EU. In this context, this RISE programme aims to promote international and inter-sector collaboration through research and
innovation staff exchanges, share knowledge and ideas from research to market (and vice-versa) for the advancement of science and the development of innovation within the recycling and valorization of mining and quarrying wastes which represent 27% of the EU total waste generated from economic activities and households, promote utilization of innovative geopolymeric materials in the construction sector, and foster a shared culture of research and innovation that welcomes and rewards creativity and entrepreneurship and helps turn creative ideas into innovative products, services or processes in the materials industry through recycling mining wastes, by taking advantage of the integrated knowledge acquired in the complementary areas of the RISE partners. In this scenario, this RISE action aims at taking advantage of the recent developments in the areas of materials science, processing engineering, structural engineering, infrastructure systems, arts and design and market perspectives, turning mining waste into valuable materials for infrastructure and building products.

Field of science

/Engineering and technology/environmental engineering/waste management/recycling
/Engineering and technology/civil engineering/construction engineering

Programme(s)

Topic(s)

Call for proposal

H2020-MSCA-RISE-2014

Funding Scheme

MSCA-RISE - Marie Skłodowska-Curie Research and Innovation Staff Exchange (RISE)

Coordinator

UNIVERSIDADE DA BEIRA INTERIOR

Address
Convento De Santo Antonio
6201 001 Covilha
Portugal

Activity type
Higher or Secondary Education Establishments

EU contribution
€ 108 000

Website
Contact the organisation
<table>
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<th>Participant</th>
<th>Country</th>
<th>EU Contribution</th>
<th>Address</th>
<th>Activity Type</th>
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<tr>
<td>BRUNEL UNIVERSITY LONDON</td>
<td>United Kingdom</td>
<td>€ 99 000</td>
<td>Kingston Lane, UB8 3PH Uxbridge</td>
<td>Higher or Secondary Education Establishments</td>
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<td>POLITECHNIKA SLASKA</td>
<td>Poland</td>
<td>€ 81 000</td>
<td>Ul. Akademicka 2A, 44-100 Gliwice</td>
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<td>ALMA MATER STUDIORUM - UNIVERSITÀ DI BOLOGNA</td>
<td>Italy</td>
<td>€ 63 000</td>
<td>Via Zamboni 33, 40126 Bologna</td>
<td>Higher or Secondary Education Establishments</td>
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<tr>
<td>UNIVERSIDAD DE GRANADA</td>
<td>Spain</td>
<td>€ 54 000</td>
<td>Cuesta Del Hospicio Sn, 18071 Granada</td>
<td>Higher or Secondary Education Establishments</td>
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</tbody>
</table>
UNIVERSITY OF STRATHCLYDE
United Kingdom
EU contribution
€ 54 000
Address: Richmond Street 16, G1 1XQ Glasgow
Activity type: Higher or Secondary Education Establishments
Website
Contact the organisation

ALSITEK LIMITED
United Kingdom
EU contribution
€ 27 000
Address: Maxwell Road Alfric Square, PE2 7JP Peterborough
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)
Website
Contact the organisation

SOFALCA SOCIEDADE CENTRAL DE PRODUTOS DE CORTICA LIMITADA
Portugal
EU contribution
€ 27 000
Address: Telhado En 2 Km 413.2, 2205 213 Abrantes
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)
Website
Contact the organisation

BEIRA SERRA - ASSOCIACAO PROMOTORADO DESENVOLVIMENTO RURAL INTEGRADO
Portugal
EU contribution
€ 27 000
Address: Urbanizacao Quinta Da Almancada Lote 24 Loja
Activity type: Other
### Refractarios ALFRAN, S.A.

**Country:** Spain  
**EU Contribution:** € 27,000  
**Address:** Polígono Hacienda Dolores, Autovía 92 Km 6, 41500 Alcalá De Guadaira  
**Activity Type:** Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contact the organisation

### ARIZONA BOARD OF REGENTS

**Country:** United States  
**Address:** 660 S Mill Avenue Centerpoint 312, 85281 Tempe  
**Activity Type:** Higher or Secondary Education Establishments

Website  

Contact the organisation

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**Record number:** 194364

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