Decarbonising through carbon capture, utilisation and storage

Carbon capture, utilisation and storage (CCUS) is expected to play a key role in the decarbonising of Europe’s industry and energy supply. The EU-funded STRATEGY CCUS project will design economic evaluations at regional and national scales for CCUS deployment in seven southern and eastern EU Member States. The aim is to elaborate scenarios taking into account the needs and concerns of key regional and national stakeholders, as well as the positive environmental impact of CCUS in the lifecycle of carbon. Currently, advanced CCUS clusters are mainly concentrated in
Objective

The STRATEGY CCUS project aims to elaborate strategic plans for CCUS development in Southern and Eastern Europe at short term (up to 3 years), medium term (3-10 years) and long term (more than 10 years). Specific objectives are to develop:

• Local CCUS development plans, with local business models, within promising start-up regions;
• Connection plans with transport corridors between local CCUS clusters, and with the North Sea infrastructure, in order to improve performance and reduce costs, thus contributing to build a Europe-wide CCUS infrastructure.

As recommended by the SET Plan Action 9, the STRATEGY CCUS project will study options for CCUS clusters in Eastern and Southern Europe, as at present the CCUS clusters being progressed are concentrated in Western Europe around the North Sea. Therefore, the project is timely for the strategic planning for CCUS development in the whole of Europe.

Strategic planning will consider 8 promising regions, within 7 countries (ES, FR, GR, HR, PO, PT, RO) representing 45% of the European CO2 emissions from the industry and energy sectors. These regions satisfy CCUS relevant criteria: presence of an industrial cluster, possibilities for CO2 storage and/or utilization, potential for coupling with hydrogen production and use, existing studies, and political will.

The methodology starts with a detailed mapping of CCUS technical potential of the regions together with a comprehensive mapping of local stakeholders and a process for their engagement. This will pave the ground for CCUS deployment scenarios including assessment of 'bankable' storage capacity, economic and environmental evaluation.

The project strength relies on a highly skilled consortium with experience on the whole CCUS chain as well as key transverse skills. CCUS development plans will be elaborated in close cooperation with stakeholders, through the Regional Stakeholder Committees and the Industry Club, to ensure plans can be implemented, i.e. socially acceptable.
Funding Scheme
CSA - Coordination and support action

Coordinator

BUREAU DE RECHERCHES GEOLOGIQUES ET MINIERES
Address
3 Av Claude Guillemin
45060 Orleans
France
Activity type
Research Organisations
EU contribution
€ 335 927,50

Participants (16)

IFP Energies nouvelles
France
EU contribution
€ 496 190
Address
Avenue De Bois Preau 1 & 4
92500 Rueil Malmaison
Activity type
Research Organisations

TOTAL S.A.
France
EU contribution
€ 0
Address
Place Jean Millier 2
92400 Courbevoie
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

UNIVERSIDADE DE EVORA
<table>
<thead>
<tr>
<th>Country</th>
<th>EU contribution</th>
<th>Address</th>
<th>Activity type</th>
<th>Website</th>
<th>Contact the organisation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portugal</td>
<td>€ 130 631,25</td>
<td>Largo Dos Colegiais 2 7000 803 Evora</td>
<td>Higher or Secondary Education Establishments</td>
<td>[link]</td>
<td>[link]</td>
</tr>
<tr>
<td>Spain</td>
<td>€ 133 076,25</td>
<td>Calle Serrano 117 28006 Madrid</td>
<td>Research Organisations</td>
<td>[link]</td>
<td>[link]</td>
</tr>
<tr>
<td>Spain</td>
<td>€ 172 223,75</td>
<td>Avenida Complutense 40 28040 Madrid</td>
<td>Research Organisations</td>
<td>[link]</td>
<td>[link]</td>
</tr>
<tr>
<td>Croatia</td>
<td>€ 73 650</td>
<td>Pierottijeva 6 10000 Zagreb</td>
<td>Higher or Secondary Education Establishments</td>
<td>[link]</td>
<td>[link]</td>
</tr>
<tr>
<td>Romania</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
GEOECOLOGIE MARINA-GEOECOMAR
Romania
EU contribution
€ 82 737,50
Address
Dimitrie Onciul Street 23-25
024053 Bucharest
Activity type
Research Organisations
Website
Contact the organisation

ETHNIKO KENTRO EREVNAS KAI TECHNOLOGIKIS ANAPTYXIS
Greece
EU contribution
€ 192 050
Address
Charilaou Thermi Road 6 Km
57001 Thermi Thessaloniki
Activity type
Research Organisations
Website
Contact the organisation

GLOWNY INSTYTUT GORNICTWA
Poland
EU contribution
€ 137 550
Address
Plac Gwarkow 1
40 166 Katowice
Activity type
Research Organisations
Website
Contact the organisation

THE UNIVERSITY OF EDINBURGH
United Kingdom
EU contribution
€ 325 000
Address
Old College, South Bridge
EH8 9YL Edinburgh
Activity type
Higher or Secondary
Education Establishments
Website
Contact the organisation

NORCE NORWEGIAN RESEARCH CENTRE AS
Norway
EU contribution

5 of 7
<table>
<thead>
<tr>
<th>Organisation</th>
<th>EU contribution</th>
<th>Address</th>
<th>Activity type</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.</td>
<td>€ 288 978,75</td>
<td>Hansastrasse 27C, 80686 Munchen</td>
<td>Research Organisations</td>
</tr>
<tr>
<td>UNIVERSIDADE NOVA DE LISBOA</td>
<td>€ 108 750</td>
<td>Campus De Campolide, 1099 085 Lisboa</td>
<td>Higher or Secondary Education Establishments</td>
</tr>
<tr>
<td>SCOLA NATIONALA DE STUDII POLITICE SI ADMINISTRATIVE</td>
<td>€ 93 031,25</td>
<td>Strada Povernei 6, Sector 1, 010643 Bucuresti</td>
<td>Higher or Secondary Education Establishments</td>
</tr>
<tr>
<td>CIMPOR-INDUSTRIA DE CIMENTOS SA</td>
<td>€ 97 862,50</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>