Integrated infrastructure for CO2 transport and storage in the west Mediterranean

Fact Sheet

Project Information

COMET
Grant agreement ID: 241400

Funded under
FP7-ENERGY

Status
Closed project

Overall budget
€ 3 125 087

EU contribution
€ 2 343 129

Coordinated by
Laboratorio Nacional de Energia e Geologia I.P.
Portugal

Start date
1 January 2010
End date
31 December 2012

Objective

COMET aims at identifying and assessing the most cost effective CO2 transport and storage infrastructure able to serve the West Mediterranean area, namely Portugal, Spain and Morocco. This is achieved considering the time and spatial aspects of the development of the energy sector and other industrial activities in those countries as well as the location, capacity and availability of potential CO2 storage geological formations. Special attention is given to a balanced decision on transport modes, matching the sources and sinks, addressing safety and lifetime objectives, meeting optimal cost - benefit trade-off, for a CCS network infrastructure as part of an international cooperation policy. The need for a joint CCS infrastructure in the West Mediterranean is related to the geographical proximity, to the increasing connections
between the energy and industrial sectors in the area, to the continuity of sedimentary basins that can act as possible storage reservoirs and to the existing experience in managing a large gas transport infrastructure, such as the natural gas pipeline coming through Morocco, to Spain and Portugal. The consortium is coordinated by INETI (Portugal), and comprises 7 research institutions, 4 Universities, 1 SME and 5 energy companies from 6 European countries and Morocco. COMET aims to optimise the connection between sources and sinks by comparing the several possible transport modes (pipelines, trains, ships and trucks) and existing and to be realized infrastructures and expects to find the least-cost transport mode and routes from clusters to sinks. It is expected that each source cluster will be rigorously matched to the most suitable sink, while minimising the required investment in infrastructures and taking advantage of the effect of scale associated to an integrated infrastructure. COMET will be an important step towards the safe and commercial deployment of large scale near zero emission power plants in SW Europe and North Africa.

Field of science

/ engineering and technology/environmental engineering/energy and fuels/fossil energy/gas
/social sciences/social and economic geography/transport

Programme(s)

Topic(s)

Call for proposal

FP7-ENERGY-2009-1

Funding Scheme

CP - Collaborative project (generic)

Coordinator

Laboratorio Nacional de Energia e Geologia I.P.

<table>
<thead>
<tr>
<th>Address</th>
<th>Activity type</th>
<th>EU contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rua Da Amieira</td>
<td>Research Organisations</td>
<td>€ 283 695,74</td>
</tr>
<tr>
<td>4466-901 S.mamede De</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Participants (17)

UNIVERSIDADE DE EVORA

Portugal

EU contribution

€ 162 000

Address

Largo Dos Colegiais 2
7000 803 Evora

Activity type

Higher or Secondary Education Establishments

Website

Administrative Contact

Ana Cláudia Carvalho (Mrs.)

UNIVERSITEIT UTRECHT

Netherlands

EU contribution

€ 189 500

Address

Heidelberglaan 8
3584 CS Utrecht

Activity type

Higher or Secondary Education Establishments

Website

Administrative Contact

Júlio Carneiro (Prof.)

INSTITUTO GEOLÓGICO Y MINERO DE ESPAÑA

Spain

EU contribution

€ 153 000

Address

Ríos Rosas 23
28003 Madrid

Activity type

Research Organisations

Website
BUREAU DE RECHERCHES GEOLOGIQUES ET MINIERES

France

EU contribution

€ 141 524

Address

3 Av Claude Guillemín
45060 Orleans

Activity type

Research Organisations

Website

Contact the organisation

Administrative Contact

Isabel Suárez (Ms.)

University Mohammed V-Agdal

Morocco

EU contribution

€ 117 600

Address

Avenue Des Nations Unies
Agdal
10000 Rabat

Activity type

Higher or Secondary Education Establishments

Website

Contact the organisation

Administrative Contact

Isabelle Czernichowski-Lauriol (Dr.)

Office National des Hydrocarbures et des mines

Morocco

EU contribution

€ 80 000

Address

Avenue Moulay Hassan 5
10050 Rabat

Activity type

Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Website

Contact the organisation

Administrative Contact

Abdelkrim Rimi (Prof.)
**UNIVERSITE MOHAMMED PREMIER 1 - UMP**

Morocco  
EU contribution  
€ 101 400  

<table>
<thead>
<tr>
<th>Address</th>
<th>Activity type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boulevard Mohammed Vi 6000 Oujda</td>
<td>Higher or Secondary Education Establishments</td>
</tr>
</tbody>
</table>

Website [Contact the organisation](#)

Administrative Contact  
Yassine Zarhloule (Prof.)

---

**ASATREM SRL - APPLIED SYSTEMS ANALYSES, TECHNOLOGY AND RESEARCH, ENERGY MODELS**

Italy  
EU contribution  
€ 328 400  

<table>
<thead>
<tr>
<th>Address</th>
<th>Activity type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Piazza Corvetto 1/8 - C/o Studio Segalerba Solano 16122 Genova</td>
<td>Private for-profit entities (excluding Higher or Secondary Education Establishments)</td>
</tr>
</tbody>
</table>

Website [Contact the organisation](#)

Administrative Contact  
Giancarlo Tosato (Dr.)

---

**CENTRO DE INVESTIGACIONES ENERGETICAS, MEDIOAMBIENTALES Y TECNOLOGICAS-CIEMAT**

Spain  
EU contribution  
€ 183 500  

<table>
<thead>
<tr>
<th>Address</th>
<th>Activity type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Avenida Complutense 40 28040 Madrid</td>
<td>Research Organisations</td>
</tr>
</tbody>
</table>

Website [Contact the organisation](#)

Administrative Contact  
Ana Collados (Ms.)
FUNDACAO DA FACULDADE DE CIENCIAS E TECNOLOGIA DA UNIVERSIDADE NOVA DE LISBOA.

- **Portugal**
- **EU contribution**: € 138 010
- **Address**: Campus De Caparica, Quinta Da Torre S/n, 2829516 Caparica
- **Activity type**: Research Organisations
- **Website**: Contact the organisation

Administrative Contact

Júlia Seixas (Prof.)

FORSCHUNGSZENTRUM JULICH GMBH

- **Germany**
- **EU contribution**: € 154 732
- **Address**: Wilhelm Johnen Strasse 52428 Julich
- **Activity type**: Research Organisations
- **Website**: Contact the organisation

Administrative Contact

Petra Insberg (Ms.)

EDP - GESTAO DA PRODUCAO DE ENERGIASA

- **Portugal**
- **EU contribution**: € 59 542
- **Address**: Avenida 24 De Julho N 12, 1249 300 Lisbon
- **Activity type**: Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contact the organisation

Administrative Contact

José Manuel Moreira Ascensão (Mr.)
ENDESA GENERACION SA
Spain
EU contribution
€ 36 534
Address
Av De La Borbolla 5
41004 Sevilla
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Website
Administrative Contact
Juan Carlos Ballesteros Aparicio (Dr.)
Contact the organisation

Galp Energia SA
Portugal
EU contribution
€ 44 421
Address
Rua Tomas Da Fonseca Torre C 1
1600 209 Lisboa
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Contact the organisation
Administrative Contact
Susana L. Madeira Carvalho (Ms.)

Office National de l'Electricité
Morocco
EU contribution
€ 60 600
Address
Rue Othman Ben Affan 65
2000 Casablanca
Activity type
Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)
Website
Administrative Contact
Azzeddine Khatami (Dr.)
Contact the organisation
<table>
<thead>
<tr>
<th>Organisation</th>
<th>EU contribution</th>
<th>Address</th>
<th>Activity type</th>
<th>Contact the organisation</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEJO ENERGIA S.A.</td>
<td>€ 37 200</td>
<td>Est Nacional 118Km 142,1 - Pego 2205-380 Abrantes</td>
<td>Private for-profit entities (excluding Higher or Secondary Education Establishments)</td>
<td></td>
</tr>
<tr>
<td>INSTITUTO NACIONAL DE ENGENHARIA, TECNOLOGIA E INOVACAO</td>
<td>€ 71 470,26</td>
<td>Estrada Do Paco Do Lumiar 22 1649-038 Lisboa</td>
<td>Research Organisations</td>
<td></td>
</tr>
</tbody>
</table>

**Last update:** 1 August 2019  
**Record number:** 93469

**Permalink:** [https://cordis.europa.eu/project/id/241400](https://cordis.europa.eu/project/id/241400)