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Geologic Carbon Storage

Fact Sheet

Project Information

CO2-REACT

Grant agreement ID: 317235

[Project website](#) 

Project closed

Start date

1 March 2013

End date

28 February 2017

Funded under

Specific programme "People" implementing the Seventh Framework Programme of the European Community for research, technological development and demonstration activities (2007 to 2013)

Total cost

€ 3 900 802,18

EU contribution

€ 3 900 802,18

Coordinated by

CENTRE NATIONAL DE LA
RECHERCHE SCIENTIFIQUE
CNRS

 France

This project is featured in...



Objective

The CO₂-REACT ITN has been created to address twin objectives: (1) to provide urgently needed training in CO₂ storage preparing candidates for critical roles in the coming years and (2) to significantly advance our understanding of the fate and consequences of CO₂ injection into the subsurface during carbon storage efforts. The CO₂-REACT ITN addresses these objectives through a balanced combination of 6 academic and 6 industrial teams. The academic partners have been selected for their unique and diverse expertise in the reactivity of carbonate phases at scales ranging from the atomic to the field scale. The six industry partners were selected to represent a spectrum of the largest stakeholders in CO₂ storage. By formally joining these teams, we are creating a training/research platform that is unique in the world in its ability to understand the fate and consequences of CO₂ injected into subsurface reservoirs using an impressive array of experimental and modeling techniques.

CO₂-REACT aims to train 13 ESRs and 1 ER, through an integrated and coherent set of research and training activities that will significantly improve our understanding of the consequences of injecting CO₂ into the subsurface. We chose this technical focus because: (1) new knowledge is essential for solving a critical societal problem, (2) the problem is interdisciplinary, requiring input from chemistry, geology, physics, chemistry, hydrology and engineering, (3) producing solutions that industry can implement will promote tight academia-industry collaboration, a true plus for the trainees and and 4) by focusing on a single theme, close interaction and collaboration among the CO₂-REACT teams is fostered. An additional societal objective of CO₂-REACT is help to raise public awareness to the needs, challenges and safety issues in subsurface CO₂ storage through public outreach efforts.

Fields of science (EuroSciVoc)

[natural sciences](#) > [chemical sciences](#) > [inorganic chemistry](#) > [inorganic compounds](#)

[natural sciences](#) > [earth and related environmental sciences](#) > [hydrology](#).

[natural sciences](#) > [earth and related environmental sciences](#) > [geology](#).



Programme(s)

[FP7-PEOPLE - Specific programme "People" implementing the Seventh Framework Programme of the European Community for research, technological development and demonstration activities \(2007 to 2013\).](#)

Topic(s)

[FP7-PEOPLE-2012-ITN - Marie-Curie Action: "Initial Training Networks"](#)

Call for proposal

FP7-PEOPLE-2012-ITN

[See other projects for this call](#)

Funding Scheme

[MC-ITN - Networks for Initial Training_\(ITN\).](#)

Coordinator



CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS

EU contribution

€ 835 349,02

Total cost

No data

Address

RUE MICHEL ANGE 3

75794 Paris

 **France** 

Region

Activity type

Research Organisations

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Participants (10)



UNIVERSITY OF LEEDS

United Kingdom

EU contribution

€ 626 213,28

Address

WOODHOUSE LANE
LS2 9JT Leeds

Region

Yorkshire and the Humber > West Yorkshire > Leeds

Activity type

Higher or Secondary Education Establishments

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

No data



KOBENHAVNS UNIVERSITET

Denmark

EU contribution

€ 574 658,92

Address

NORREGADE 10
1165 Kobenhavn 

Region

Danmark > Hovedstaden > Byen København

Activity type

Higher or Secondary Education Establishments

Links

- [Contact the organisation](#) 
- [Website](#) 
- [Participation in EU R&I programmes](#) 
- [HORIZON collaboration network](#) 

Total cost

No data



Westfälische Wilhelms-Universität Münster

 Germany

EU contribution

€ 227 568,88

Address

SCHLOSSPLATZ 2
48149 MUENSTER 

Region

Nordrhein-Westfalen > Münster > Münster, Kreisfreie Stadt

Activity type

Higher or Secondary Education Establishments

Links

- [Contact the organisation](#) 
- [Website](#) 
- [Participation in EU R&I programmes](#) 
- [HORIZON collaboration network](#) 

Total cost

No data



HASKOLI ISLANDS

 Iceland

EU contribution

€ 203 868,94

Address

SAEMUNDARGOTU 2
101 Reykjavik 

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 
[Participation in EU R&I programmes](#) 
[HORIZON collaboration network](#) 

Total cost

No data



UNIVERSIDAD DE OVIEDO

 Spain

EU contribution

€ 232 181,62

Address

CALLE SAN FRANCISCO 3
33003 OVIEDO 

Region

Noroeste > Principado de Asturias > Asturias

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 
[Participation in EU R&I programmes](#) 
[HORIZON collaboration network](#) 

Total cost

No data



WEST SYSTEMS SRL

 Italy

EU contribution

€ 246 337,96

Address

VIALE DONATO GIANNOTTI 24
50126 Firenze 

Region

Centro (IT) > Toscana > Firenze

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#)  [Website](#) 
[Participation in EU R&I programmes](#) 
[HORIZON collaboration network](#) 

Total cost

No data



HOLCIM INNOVATION CENTER SAS

 France

EU contribution

€ 228 493,54

Address

95 RUE DU MONTMURIER
38070 Saint Quentin Fallavier 

Region

Auvergne-Rhône-Alpes > Rhône-Alpes > Isère

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#)  [Participation in EU R&I programmes](#) 
[HORIZON collaboration network](#) 

Total cost

No data



ORKUVEITA REYKJAVIKUR SF

 Iceland

EU contribution

€ 203 868,94

Address

BAEJARHALS 1

110 Reykjavik 

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



MAERSK OLIE OG GAS AS

 Denmark

EU contribution

€ 290 079,46

Address

ESPLANADEN 50

1263 KOBENHAVN 

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



AMPHOS 21 CONSULTING SL

 Spain

EU contribution

€ 232 181,62

Address

CALLE VENEZUELA 103 PLANTA 2 PUERTA 1
08019 Barcelona 

Region

Este > Cataluña > Barcelona

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data

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Permalink: <https://cordis.europa.eu/project/id/317235>

European Union, 2025