ENabling Onshore CO2 Storage in Europe

Fact Sheet

Project Information

ENOS

Grant agreement ID: 653718

Project website

Status
Closed project

Funded under
H2020-EU.3.3.2.3.

Overall budget
€ 12,485,258.75

EU contribution
€ 12,485,258.75

Coordinated by
BUREAU DE RECHERCHES GEOLOGIQUES ET MINIERES
France

Start date
1 September 2016

End date
31 August 2020

Objective

To meet the ambitious EC target of an 80% reduction in greenhouse gas emissions by 2050, CO2 Capture and Storage (CCS) needs to move rapidly towards full scale implementation with geological storage solutions both on and offshore. Onshore storage offers increased flexibility and reduced infrastructure and monitoring costs. Enabling onshore storage will support management of decarbonisation strategies at territory level while enhancing security of energy supply and local economic activities, and securing jobs across Europe. However, successful onshore storage also requires some unique technical and societal challenges to be overcome. ENOS will provide crucial advances to help foster onshore CO2 storage across Europe through:

1) Developing, testing and demonstrating in the field, under “real-life conditions”, key technologies specifically adapted to onshore storage.

2) Contributing to the creation of a favourable environment for onshore storage across Europe.
The ENOS site portfolio will provide a great opportunity for demonstration of technologies for safe and environmentally sound storage at relevant scale. Best practices will be developed using experience gained from the field experiments with the participation of local stakeholders and the lay public. This will produce improved integrated research outcomes and increase stakeholder understanding and confidence in CO2 storage. In this improved framework, ENOS will catalyse new onshore pilot and demonstration projects in new locations and geological settings across Europe, taking into account the site-specific and local socio-economic context.

By developing technologies from TRL4/5 to TRL6 across the storage lifecycle, feeding the resultant knowledge and experience into training and education and cooperating at the pan-European and global level, ENOS will have a decisive impact on innovation and build the confidence needed for enabling onshore CO2 storage in Europe.

Field of science

/ engineering and technology/environmental engineering/energy and fuels/fossil energy/gas

Programme(s)

Topic(s)

Call for proposal

H2020-LCE-2015-1-two-stage

Funding Scheme

RIA - Research and Innovation action

Coordinator

BUREAU DE RECHERCHES GEOLOGIQUES ET MINIERES

Address

3 Av Claude Guillemin
45060 Orleans

Activity type

Research Organisations

EU contribution

€ 1 312 558,75

Website

Contact the organisation
**Participants (20)**

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**BUNDESANSTALT FUER GEOWISSENSCHAFTEN UND ROHSTOFFE**

Germany

EU contribution

€ 510 352,50

Address

Stilleweg 2
30655 Hannover

Activity type

Research Organisations

Website

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**NATURAL ENVIRONMENT RESEARCH COUNCIL**

United Kingdom

EU contribution

€ 0

Address

Polaris House, North Star Avenue
SN2 1EU Swindon Wiltshire

Activity type

Research Organisations

Website

Contact the organisation

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**UNITED KINGDOM RESEARCH AND INNOVATION**

United Kingdom

EU contribution

€ 833 733,25

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Polaris House North Star Avenue
SN2 1FL Swindon

Activity type

Research Organisations

Contact the organisation

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**CESKA GEOLOGICKA SLUZBA**

Czechia

EU contribution

€ 284 508,75

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Klarov 3/131
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Activity type

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Website

Contact the organisation
CENTRO DE INVESTIGACIONES ENERGETICAS, MEDIOAMBIENTALES Y TECNOLOGICAS-CIEMAT
Spain
EU contribution
€ 44 002,50
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28040 Madrid
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Research Organisations
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FUNDACION CIUDAD DE LA ENERGIA
Spain
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€ 2 709 750
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FLODIM SARL
France
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€ 48 750
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GEOGREEN
France
EU contribution
€ 427 135
Address
Rue Eugene Et Armand
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I.D.I.L. SAS (INGENIERIE-DEVELOPPEMENT-INSTRUMENTATION-LASER)
France
EU contribution
€ 34 375
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21 Rue De Broglie
22300 Lannion
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INTERNATIONAL RESEARCH INSTITUTE OFSTAVANGER AS
Norway
EU contribution
€ 0
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Professor Olav Hanssens Vei 15
4068 Stavanger
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Research Organisations
Website
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NORCE NORWEGIAN RESEARCH CENTRE AS
Norway
EU contribution
€ 773 231,25
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Nygardsgaten 112
5838 Bergen
Activity type
Research Organisations
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NHAZCA SRL
Italy
EU contribution
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<td>Netherlands</td>
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<td>Anna Van Buerenplein 1 2595 DA Den Haag</td>
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<td>UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA</td>
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<td>THE UNIVERSITY OF NOTTINGHAM</td>
<td>United Kingdom</td>
<td>€ 514 182,50</td>
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<td>CO2GEONET - RESEAU D'EXCELLENCE EUROPEEN SUR LE STOCKAGE GEOLOGIQUE DE CO2</td>
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€ 1 593 940

Address

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Activity type

Research Organisations

Website  

Contact the organisation  

Last update: 21 November 2019
Record number: 205169

Permalink: https://cordis.europa.eu/project/id/653718/

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