



European Carbon Dioxide Capture and Storage Laboratory Infrastructure

ENABLING LOW TO ZERO CO₂ EMISSIONS FROM INDUSTRY AND POWER GENERATION...
TO HELP COMBATING GLOBAL CLIMATE CHANGE

FLASHNEWS

Third Transnational Access programme

The 3rd call for proposals for free access, financed by the European H2020 programme, is open.

The call will stay open until June 2017 (or until TA budget has been used up). Applications will be reviewed monthly with the first cut-off date being the 31st January 2017. Research projects must be completed by mid-August 2017 and costs reported by end of August.

More info about ECCSEL TA programme in in page 2.



Operation at one of the ECCSEL Research Infrastructures.
CO₂ Storage Development Plant located in Hontomin (Spain).

Warm welcome for 1st and 2nd TA call

Successful and encouraging results have been initially received from the 1st and 2nd calls of the ECCSEL TA programme. Being first launched in January 2016, impressive figures have been achieved by the calls especially taking into account that this is a new initiative.

A quick overview of the two first TA calls shows that **16 of the ECCSEL facilities** have received applications for researchers from 10 different countries to take advantage of the diverse possibilities of collaboration opened with this TA programme.

Let's see what the 3rd TA call shows us!

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ECCSEL TA programme Take the chance!

The ECCSEL H2020 Infradev-3 project provides funding for a Transnational Access (TA) programme that offers access to **44 research facilities** which are part of the ECCSEL CCS Research Infrastructure in Europe.

Transnational Access offered by the participating research facilities within ECCSEL includes:

- **Free access** for eligible users/user groups to research facilities.
- Support for **travel, logistics and accommodation** for one user per research project.
- **Free access to information and data** in the public domain held at the ECCSEL Research Infrastructure's facility.

For each research project up to 500€ is granted for travel and up to 100€ is available for one researcher per day spent at the visited facility for accommodation and food (receipts need to be provided).

Access is free for users from European member states, European associated states or

developing countries with proposal(s) approved for funding as long as the results can be made public. User Groups can apply for transnational access if they meet following conditions:

- User groups with a majority of users not working in a European or associated country is limited to 20% of the total amount of units of access provided under the grant (the User Group Leader and the majority of the User Group members work in an institution/SME established in a member state of the European Union or an European associated state).
- The User Group Leader and the majority of the User Group members work in an institution/SME located in a country other than the country where the legal entity operating the infrastructure is established.

- Only User Groups that are entitled to disseminate the results they have generated under the project are eligible to benefit from access free of charge to the infrastructure.



More info about TA programme at www.eccsel.org

3rd call is now open!

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European Carbon Dioxide Capture and Storage Laboratory Infrastructure

ECCSEL research facilities for developing TA programme

ECCSEL has established and provides access to a world class research infrastructure (RI) in Europe for CO₂ capture, transport and storage (CCS) technologies research. The consortium teams up selected Centres of Excellence from 9 countries across Europe where it is possible to develop the TA Programme.

Find below a brief summary of the available facilities. Further information and a detailed list over the offered installations can be found at [ECCSEL website](http://eccsel.org).

Infradev-3 Transnational Access - CAPTURE

Institution	Country	Long name	Access unit	Unit quantity	Users	Projects
CERTH	Greece	Chemical looping combustion facility	week	3	1	1
ETH Zürich	Switzerland	Adsorption equilibrium measurement balance	month	1	1	1
ETH Zürich	Switzerland	Two column lab PSA setup	month	1	1	1
GIG	Poland	Fixed bed reactor	week	3	1	1
GIG	Poland	High pressure thermogravimetric analyzer	week	3	1	1
GIG	Poland	Pilot-scale moving bed reactor	week	1	1	1
NTNU	Norway	Thermodynamic studies package	week	4	1	1
NTNU	Norway	Facilities to fabricate polymer-based membranes. Those can be tested on the MEM-PERM facilities to test membrane gas permeation performance	week	4	1	1
SINTEF (MC)	Norway	Powder processing laboratories for CCS	day	5	1	1
SINTEF (MC)	Norway	Solvent degradation rig	day	30	1	1
SINTEF (MC)	Norway	Tiller CO ₂ capture pilot plant	day	20	1	1
SINTEF ER	Norway	Chemical looping combustion rig	week	2	1	1
SOTACARBO	Italy	COHYGEN (coal to hydrogen generation) pilot plant	day	20	1	1
TNO	Netherlands	CLC fixed bed facility	week	4	1	1
TNO	Netherlands	High pressure absorption and desorption pilot	week	4	1	1
TNO	Netherlands	Mini plant for solvent preparation & testing	week	4	1	1
TNO	Netherlands	QSCAN solvent test street	week	4	1	1

Infradev-3 Transnational Access - TRANSPORT

Institution	Country	Long name	Access unit	Unit quantity	Users	Projects
CIUDEN	Spain	Transport test rig at CIUDEN Technology Development Centre	day	10	1	1

AGENDA

April / May 2017
**ECCSEL Training Course
 on research infrastructure
 for CO₂ capture R&D**
 Trondheim (Norway)
 eccsel.org

29 March 2017
**ECCSEL Training Course
 on research
 infrastructures for CO₂
 storage: specific
 focus on monitoring and
 natural laboratories**
 Rome (Italy)
 eccsel.org

12 - 14 June 2017
**9th Trondheim
 Conference on CO₂
 Capture, Transport and
 Storage (TCCS9)**
 Trondheim (Norway)
 www.sintef.no/projectweb/tccs-9/

12 June 2017
**ECCSEL Industrial
 Community Meeting**
 Trondheim (Norway)
 eccsel.org

ECCSEL research facilities for developing TA programme

Infradev-3 Transnational Access - STORAGE

Institution	Country	Long name	Access unit	Unit quantity	Users	Projects
CERTH	Greece	Chemical looping combustion facility	week	3	1	1
BGS / NERC	United Kingdom	Hydrothermal laboratory	month	1	1	1
BGS / NERC	United Kingdom	Rock mechanics and physics laboratory	week	4	1	1
BGS / NERC	United Kingdom	Transport properties research laboratory	month	1	1	1
CERTH	Greece	CO ₂ storage facilities	week	3	1	1
CIUDEN	Spain	Pilot for injection of CO ₂ in	week	3	1	1
ETH Zürich	Switzerland	High pressure hydrostatic flow cell	month	1	1	1
OGS	Italy	DeepLab sea floor landers for meteoceanographic physical and geochemical data collection	day	5	1	1
OGS	Italy	Study the impact of CO ₂ on benthic organisms and marine ecosystems	day	5	1	1
PGI-NRI	Poland	GEOPH-Lab	week	2	1	1
SINTEF PETROLEUM AS	Norway	Core flood (SCAL) laboratory	day	30	1	1

The TA Programme reflects perfectly the **ECCSEL mission**: “opening access for researchers to a top quality European Research Infrastructure, devoted to next generation CCS technologies in an efficient and structured way, to help enable low to zero CO₂ emissions from industry and power generation to combat global climate change”.

ASK ECCSEL

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ECCSEL partners

