

## TRANSNATIONAL ACCESS CALL 2021-2022

### INDUSTRY AND SMALL AND MEDIUM SIZE ENTERPRISE ACCESS TO ECCSEL ERIC FACILITIES

The first ECCSELERATE Transnational Access call offering free access to ECCSEL ERIC facilities is dedicated to researchers or research teams from industry and small and medium size enterprises (SMEs). Goal of the call is to extend the ECCSEL ERIC user base to industry and SMEs to meet their needs within CCUS research.

#### Conditions of the call

*Eligible applicants:* Researchers from industrial companies and SMEs covering all industrial sectors relevant for CCUS. Transnational Access projects can be merged with other ongoing activities, if required. Research done in collaboration between industry/SMEs and universities/research institutes will also be eligible.

*Technology Readiness Level (TRL):* All TRL levels are covered in the call.

*ECCSEL facilities accessible:* All ECCSEL ERIC research facilities included in ECCSELERATE are open for application. The full list can be found online and on page 4 of this document.

#### *Eligible cost:*

- The running costs of the installation
- Costs for logistical, technological and scientific support to users' access, including ad-hoc training, preparatory and closing activities necessary to carry out user's work
- Travel and Subsistence funding for one researcher
  - Up to € 500 for travel
  - Up to € 100 for each day at the facility
  - Travel claim with receipts for all claimed expenses must be submitted

Transnational Access offered by the participating research facilities within ECCSEL ERIC also comprises:

- Administrative 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 ERIC research facility

Typically access duration (time needed) for a research project is 'access unit' multiplied by 'unit quantity' (see page 4). This is also listed on the facility fact sheets and must be less than 3 months for this project.

The call opens on the 1<sup>st</sup> October 2021 and will stay open until June 2022 on a first come first served basis. Early applications are therefore advisable.

Applications will be reviewed monthly with the first cut-off date being the 31<sup>st</sup> December 2021.

Research projects must be completed by 15<sup>th</sup> December 2022 and costs reported by 1<sup>st</sup> February 2023.

Services relevant for key industrial sectors (cement, petrochemistry, iron and steel and waste-to-energy) within CCUS research addressed by this call<sup>1</sup>

- Collaborative research
- Knowledge sharing
- Capacity building

#### Examples of R&D targeted challenges

- Costs of CO<sub>2</sub> capture
- Information and validation of the purity of the CO<sub>2</sub>
- Market development for CO<sub>2</sub> utilisation
- Energy use for CCUS
- Legislation regarding CO<sub>2</sub> capture, storage and utilisation
- Social acceptance for CO<sub>2</sub> storage

#### Information on to be provided in application

- Personal (and group) information
- Project description and objectives
- Equipment required & preferred facilities
- Own chemicals, materials and equipment brought
- Ethical considerations & negative environmental impact
- Publication plans

#### General eligibility rules

(a) access which must be provided:

- The access must be free of charge, trans-national access to research infrastructure or installations for selected user-groups or users.
- This access must include the logistical, technological and scientific support and the specific training that is usually provided to external researchers using the infrastructure.

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<sup>1</sup> More information on services offered as part of the Transnational Access call can be found at: <https://www.eccsel.org/abouteu-grants/eccselerate/>

(b) categories of users that may have access:

- Trans-national access must be provided to selected 'users or user-groups', i.e. teams of one or more researchers (users) led by a 'user group leader'.
- The user group leader and the majority of the users must work in a country other than the country(ies) where the installation is located.

Access for user groups with a majority of users not working in a EU or associated country is limited to 20% of the total amount of units of access provided under the grant.

Only User Groups that are entitled to disseminate the results they have generated under the project may benefit from the access, unless the users are working for SMEs. Intellectual Property Rights related to use of ECCSEL facilities may be protected under specific conditions agreed between the User Group and the facility owner.

#### Procedure and Criteria for selecting user groups

The user must request access by submitting (in writing) a description of the work that they wish to carry out and the names, nationalities and home institutions of the users.

The projects must be reviewed, evaluated and selected by a selection panel (Peer Review Panel) set up by the access providers.

The selection panel must be composed of international experts in the field, at least half of them independent from the beneficiaries.

The selection panel must assess all proposals received and recommend a short-list of the user groups that should benefit from access.

The selection panel must base its selection on scientific merit, taking into account that priority should be given to user groups composed of users who:

- have not previously used the installation and
- are working in countries where no equivalent research infrastructure exists.

The selection is based on a number of criteria<sup>2</sup> where the scientific quality of the application ranks high.

It will apply the principles of transparency, fairness and impartiality.

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<sup>2</sup> The Peer Review Criteria can be found here: <https://www.eccsel.org/aboutresources/policies/>  
[www.eccsel.org](http://www.eccsel.org)

## User responsibilities

Soon after the access to the infrastructure, to enable the European Commission to evaluate the Research Infrastructure's participation, each User Group Leader of a supported user-project is required to:

- Provide concerning the access of the ECCSEL Research Infrastructure, a Project Summary Report (PSR) highlighting the scientific output of the access received (preferably with one/two images). This PSR includes the names of the concerned Research Infrastructure and Facility and its researchers / technology experts involved. It may be published on the ECCSEL website and will be made available to the European Commission
- Complete the User Group Questionnaire available on-line at <https://ec.europa.eu/eusurvey/runner/RIsurveyUSERS>
- Publish the research results within a reasonable time in the open literature, specifying that the project leading to the publication has received funding from the European Horizon 2020 Programme: **"This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 871143"**

Users should also note that the European Commission has the right to publish a list of users that will contain their names, home institutions and description of the work.

## Facilities included in the call

Access provider	Research Infrastructure			Country location	Access unit	Min. quantity of access provided
		Number	Short name			
ANDRA	ECCSEL	69	FR2.1 URL-Andra	FR	day	2
DICAM-UNIBO	ECCSEL	52	IT4.1 MEMLAB	IT	day	4
ENEA	ECCSEL	53	IT3.1 ZECOMIX	IT	day	5
HWU	ECCSEL	6	UK4.5 PHOTO RIG	UK	day	1
HWU	ECCSEL	7	UK4.4 Carbon Capture Rigs	UK	day	1
HWU	ECCSEL	8	UK4.3 Core Flood Rig	UK	month	1
HWU	ECCSEL	9	UK4.2 X-Ray CT	UK	day	20
HWU	ECCSEL	10	UK4.1 CompModSim	UK	week	1
IFE	ECCSEL	27	NO4.1 GeoChem Lab	NO	day	10
IFPEN	ECCSEL	67	FR5.2 GasGeochem	FR	week	1
IFPEN	ECCSEL	68	FR5.1 ESCORT	FR	month	2
INERIS	ECCSEL	70	FR4.1 SAFETY	FR	month	1
INERIS	ECCSEL	71	FR4.2 CATLAB	FR	month	1

TUV NEL	ECCSEL	2	UK7.1 NEL- CO2STATIC	UK	day	1
UABDN	ECCSEL	4	UK5.2 ACEMAC	UK	week	1
UABDN	ECCSEL	5	UK5.1 X-RAY OMOGRAPH LAB	UK	week	1
USTRATH	ECCSEL	3	UK6.1 AMRL	UK	week	1
USTRATH	ECCSEL	73	UK6.2 SCCS- NYX XCT	UK	week	1
2 - OGS	ECCSEL	59	IT1.8 OGS DeepLab	IT	day	5
2 - OGS	ECCSEL	60	IT1.7 CTMO	IT	day	5
2 - OGS	ECCSEL	61	IT1.6 EXPLORA	IT	day	5
2 - OGS	ECCSEL	62	IT1.5 PITOP	IT	day	5
2 - OGS	ECCSEL	63	IT1.4 Latera Nat Lab	IT	day	3
2 - OGS	ECCSEL	64	IT1.3 Panarea NatLab	IT	day	6.0
2 - OGS	ECCSEL	65	IT1.2 BioMarineLab	IT	day	5
2 - OGS	ECCSEL	66	IT1.1 Research aircraft	IT	day	3
3 - SINTEF ER	ECCSEL	38	NO2.6 VISC-DENS	NO	month	1
3 - SINTEF ER	ECCSEL	39	NO2.5 DEPRESS	NO	month	1
3 - SINTEF ER	ECCSEL	40	NO2.4 SEPPIL	NO	month	1
3 - SINTEF ER	ECCSEL	41	NO2.3 CO2Mix – VLE	NO	week	5
3 - SINTEF ER	ECCSEL	42	NO2.2 COMBLAB (HIPROX)	NO	day	15
3 - SINTEF ER	ECCSEL	43	NO2.1 CLC Hot Rig	NO	week	2
3 - SINTEF ER	ECCSEL	72	NO2.7 HP- C-VLE	NO	month	1
4 – UKRI	ECCSEL	22	UK1.5 Micro Lab (S16)	UK	month	1
4 - UKRI	ECCSEL	23	UK1.4 Gas Mon	UK	week	4
4 - UKRI	ECCSEL	24	UK1.3 HTL	UK	month	1
4 - UKRI	ECCSEL	25	UK1.2 RMPL	UK	week	4
4 - UKRI	ECCSEL	26	UK1.1 TPRL	UK	month	1
5 - BRGM	ECCSEL	1	FR1.1 BIOREP	FR	month	1
6 - TNO	ECCSEL	46	NL1.6 ATCM	NL	week	4
6 - TNO	ECCSEL	47	NL1.5 MobSeis	NL	week	4
6 - TNO	ECCSEL	48	NL1.4 High- P abs&des	NL	week	4
6 - TNO	ECCSEL	49	NL1.3 CLC	NL	week	4
6 - TNO	ECCSEL	50	NL1.2 QSCAN	NL	week	4
6 - TNO	ECCSEL	51	NL1.1 Mini Plant	NL	week	4
7 - USFD	ECCSEL	16	UK2.6 Analytical facilities	UK	day	10
7 - USFD	ECCSEL	17	UK2.5 ICP Lab	UK	day	10
7 - USFD	ECCSEL	18	UK2.4 Gas Turbine(s) GT	UK	day	5
7 - USFD	ECCSEL	19	UK2.3 ACP	UK	day	5
7 - USFD	ECCSEL	20	UK2.2 BGC	UK	day	5
7 - USFD	ECCSEL	21	UK2.1 PCC Plant	UK	day	20
8 - SOTACARBO	ECCSEL	54	IT2.5 Rock Analysis Lab	IT	day	1
8 - SOTACARBO	ECCSEL	55	IT2.4 Sotacarbo Fault Lab	IT	week	1

8 - SOTACARBO	ECCSEL	56	IT2.3 XtL Pilot Plant	IT	week	1
8 - SOTACARBO	ECCSEL	57	IT2.2 PEC Lab	IT	day	1
8 - SOTACARBO	ECCSEL	58	IT2.1 COHYGEN	IT	day	1
9 - NTNU	ECCSEL	44	NO1.2 AbsLab	NO	week	6
9 - NTNU	ECCSEL	45	NO1.1 MemLab	NO	week	6
10 - SINTEF	ECCSEL	28	NO3.11 FP-Lab	NO	day	5
10 - SINTEF	ECCSEL	29	NO3.10 WILab	NO	day	10
10 - SINTEF	ECCSEL	30	NO3.8 pVT	NO	day	4
10 - SINTEF	ECCSEL	31	NO3.7 SCAL	NO	day	4
10 - SINTEF	ECCSEL	32	NO3.5 Tiller Pilot	NO	day	20
10 - SINTEF	ECCSEL	33	NO3.4 SDR	NO	day	30
10 - SINTEF	ECCSEL	34	NO3.3 Mlab	NO	day	5
10 - SINTEF	ECCSEL	35	NO3.2 PPLab	NO	day	5
10 - SINTEF	ECCSEL	36	NO3.1b S/ChLab – CHLab	NO	day	10
10 - SINTEF	ECCSEL	37	NO3.1a S/ChLab – Slab	NO	day	12
11 - UEDIN	ECCSEL	11	UK3.5 CySim	UK	day	1
11 - UEDIN	ECCSEL	12	UK3.4 MFPCS	UK	week	1
11 - UEDIN	ECCSEL	13	UK3.3 MICROWAVE SWING	UK	week	1
11 - UEDIN	ECCSEL	14	UK3.2 SCCS-AGL	UK	month	1
11 - UEDIN	ECCSEL	15	UK3.1 SCCS-PSA	UK	day	10

## Glossary

**Access provider:** The ECCSEL participant in charge of providing access to the infrastructure/s or installation/s.

**Infrastructure:** A facility, a resource (or a coherent set of them) together with the related services, that are used by the scientific community to conduct research.

**Installation:** A part of a (research) infrastructure that could be used independently from the rest.

**User:** A researcher within a User Group, including the User Group Leader.

**User Group:** A research team of one or more researchers given access to the infrastructure under the project. A User Group is led by a user User Group Leader.

## Application submission

Please apply using the following link: <https://www.eccsel.org/ar/proposals/new>  
[www.eccsel.org](http://www.eccsel.org)

## Contact

For questions on the Transnational Access call, please contact: [info@eccsel.org](mailto:info@eccsel.org)



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