



ACT Third Call

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ACT joining forces for implementation of CCUS

Introduction

Accelerating CCUS Technologies (ACT) is an initiative to facilitate the emergence of CO₂ Capture, Utilisation and Storage (CCUS) via transnational funding of projects aimed at accelerating and maturing CCUS technology through targeted innovation and research activities. This document establishes the terms of the third ACT call for proposals.

To date there have been two ACT calls, the first (in 2016) was an ERA-Net Cofund which mobilised funds from participating partners and the European Commission and the second call (in 2018) was funded by participating national funding agencies only.

ACT1 - The First Call for ERA-Net Cofund Proposals

The first ACT call (ACT1), saw a total of ten partners from nine European countries join forces and together with top-up funding from the European Commission they made available €37 million for research and innovation actions related to CCUS. There were eight projects funded under the first call.

The following countries participated in the first ACT call: Norway (coordinator), Germany, Romania, Spain, Switzerland, the Netherlands, Turkey and the United Kingdom. In addition, Greece was a founding member of ACT without taking part in the first ACT call. The national funding bodies participating in the first ACT call were supported by funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 691712. The ERA-Net Cofund established the transnational initiative, and eight projects were funded under the first call.

ACT2 – The Second Call for Proposals

All nine countries from the previous ACT call invited further Mission Innovation countries to join the second call (Germany, Norway, the Netherlands and the United Kingdom were already part of the Mission Innovation community). France and the United States decided to join the second call. A total of €31.5 million for research and innovation were available, and 12 projects were funded under this call.

ACT3 – The Third Call for Proposals

Following the success of ACT's first and second calls, the Canadian province of Alberta, Denmark, and Europe's Nordic Countries via Nordic Energy Research decided to participate in this third call, joining forces with France, Germany, Greece, Norway, Romania, Switzerland, The Netherlands, Turkey, the United Kingdom, and the United States.

All funds will be allocated from national and regional budgets that support research and development as well as pilot and demonstration projects. National and regional funds will support entities from that funding body's country or region as noted in the specific funding bodies' rules (Annex 1). In general, however, ACT's funding bodies do not envisage a transfer of funds between participating countries and regions.

Further information can be found on the ACT web-site: www.act-ccs.eu.

Note: the term CCUS is used to refer to all areas of the CCS/CCUS chain.

Table of Contents

ACT JOINING FORCES FOR IMPLEMENTATION OF CCUS	1
1. INTRODUCTION	4
2. NATIONAL/REGIONAL FUNDING BODIES, LEVEL OF FUNDING	5
3. SCOPE	6
4. OBJECTIVE OF THE THIRD ACT JOINT CALL	6
5. RULES FOR PARTICIPATION (TRANSNATIONAL ELIGIBILITY CRITERIA)	7
5.1. TYPES OF RESEARCH, DEVELOPMENT AND INNOVATION ACTIVITIES	7
5.2. WHO CAN PARTICIPATE AND APPLY?	8
5.2.1. <i>Lead Applicant's Role</i>	8
5.2.2. <i>Co-Applicant's Role</i>	8
5.2.3. <i>Cooperation Partners</i>	8
5.2.4. <i>Project Consortium</i>	8
5.3. PROJECT DURATION AND BUDGET	9
5.4. FUNDING BODIES' RULES AND ELIGIBILITY CRITERIA	9
6. SUBMISSION	9
6.1. SUBMISSION OF PRE-PROPOSALS (STAGE 1)	9
6.2. SUBMISSION OF FULL PROPOSALS (STAGE 2).....	10
6.3. GENERAL CONDITIONS	10
7. EVALUATION PROCEDURE	10
7.1. EVALUATION CRITERIA	11
7.2. SCORING AND THRESHOLDS	11
8. CONSORTIUM AGREEMENT (CA)	12
9. DOCUMENTATION AND FORMS	12
10. PROJECT MONITORING AND REPORTING	12
11. CONTACTS AND FURTHER INFORMATION	13
11.1. GENERAL INFORMATION ON THE JOINT CALL	13
11.2. CONTACT PERSONS OF PARTICIPATING FUNDING BODIES.....	14
ANNEX 1: SPECIFIC FUNDING AGENCIES' RULES	15
CANADA/ALBERTA REGION	15
DENMARK	17
FRANCE	19
GERMANY	20
GREECE	22
THE NETHERLANDS	25
NORDIC ENERGY RESEARCH	27
NORWAY	29
ROMANIA.....	32
SWITZERLAND	33
TURKEY.....	35
UNITED KINGDOM	36
UNITED STATES OF AMERICA.....	38

ANNEX 2: TEMPLATE FOR PRE-PROPOSAL40
ANNEX 3: TEMPLATE FOR FULL PROPOSAL41
ANNEX 4: TABLES FOR PARTNER INFORMATION AND BUDGETING43
ANNEX 5: CONSORTIUM AGREEMENT (CA)44

1. Introduction

This document describes the objectives, scope, and topics of the call, rules for participation and procedures from proposal to implementation of the projects. Further information on ACT can be found on the ACT website: <http://www.act-ccs.eu>.

On the ACT website a matchmaking section is provided in order to support consortium building. Applicants looking for project partners can find potential partners listed in this section. If they wish to be listed themselves, they should contact their national/regional contact person.

ACT strives to be complementary to calls for proposals issued by the EC under its current and subsequent Horizon 2020 and Horizon Europe Work Programme, or other available instruments, including the national research programmes planned by the countries involved in ACT.

The ACT call is a two-stage process. Stage 1 asks for pre-proposals, and Stage 2 asks for full project proposals.

**The call for pre-proposals is open until 10 November 2020
(13:00 CET).**

By or on 10 December 2020 applicants that are successful in Stage 1 will be invited to enter Stage 2 of the procedure.

**The call for full proposals will close on 15 March 2021
(13:00 CET).**

The targeted start date for projects is end September 2021

2. National/Regional Funding Bodies, Level of Funding

The budget that is available for this Call from each funding body is shown in Table 1.

Each national/regional funding body will provide funding for national/regional entities only. For example, in a project involving Germany, the Netherlands and the United Kingdom, Germany will fund the German based organisations, the Netherlands will fund the Dutch organisations and so on. As such, in addition to the rules for participation set in this call, national/regional eligibility criteria will apply for each country/region participating in the call (see Annex 1 for details).

Table 1. National/regional funding bodies and budget

Participating country/region	Funding organisation	Available / indicative budget (€ million)
Canada, Province of Alberta	Emissions Reduction Alberta (ERA) (indicative at current exchange rate €3.3 million)	\$5 million CAD
Denmark	The Danish Energy Agency – Energy technology development and demonstration program (EUDP)	3
France	The French Agency for the Environment and Energy Management (ADEME)	1 Subject to approval
Germany	Forschungszentrum Jülich GmbH, Projektträger Jülich (FZJ/PtJ)	3
Greece	General Secretariat for Research and Technology (GSRT)	1
The Netherlands	Rijksdienst voor Ondernemend Nederland (RVO)	4
Nordic Countries (Denmark, Finland, Iceland, Norway, Sweden, including the autonomous areas of Åland, Faroe Islands and Greenland)	Nordic Energy Research (NER) (indicative at current exchange rate €0.3 million)	NOK 3.0 million
Norway	The Research Council of Norway (RCN) (indicative at current exchange rate €5.5 million)	NOK 60 million
Romania	Executive Agency for Higher Education, Research and Innovation Funding (UEFISCDI)	0.5
Switzerland	Swiss Federal Department for the Environment, Transport, Energy and Communications (DETEC) (indicative at current exchange rate €2.7 million)	CHF 3 million
Turkey	The Scientific and Technological Research Council of Turkey (TUBITAK)	0.4
United Kingdom	Department for Business, Energy and Industrial Strategy (BEIS) “The UK, under the ACT3 Call wishes to remain a key member of the ACT Consortium, however future UK spending decisions do not allow us to commit to a specific amount of funding for ACT3 at this stage. The level of funding will be determined at a later stage once the availability of funds are known”.	Subject to approval
United States	Department of Energy (DoE) (indicative at current exchange rate €1.8 million)	US\$ 2 million

3. Scope

The intention of ACT is to facilitate the emergence of CCUS by accelerating and maturing CCUS technology through targeted financing of innovation and research activities.

ACT will address the technological, environmental, social and economic challenges required to accelerate CCUS. Projects that incorporate or address the Priority Research Directions (PRDs, [link](#)) identified at the Mission Innovation CCUS Challenge Workshop (Houston 2017) will be particularly welcome.

Projects are also encouraged to address one or several of the research and innovations activities in the SET-Plan CCS and CCU Implementation Plan endorsed by the SET-Plan Steering Group in September 2017 ([download](#)).

4. Objective of the Third ACT joint call

Successful projects will facilitate the emergence of CCUS in the energy and industrial sectors. The ACT ambition of accelerating the time to market for CCUS technology will require industrial involvement in research and innovation activities. Therefore, project proposals that are led by industrial partners are particularly welcome.

The call does not include specific targets for Technology Readiness Level (TRL, see Figure 1), but large projects should include higher TRL levels and all projects must aim to advance the TRL as a result of the project. More information on TRLs eligible for support can be found in the national/regional annexes. ACT recognizes that the acceleration of the deployment of CCUS technologies needs to consider not only TRLs but also costs, markets and supporting frameworks. The Australian Renewable Energy Agency (ARENA) has developed and applied the concept of a Commercial Readiness Index, CRI. The CRI casts technologies on the one hand in terms of a commercial status (its commercial value proposition and the ability to obtain financing for deployment). On the other hand, technologies are characterized by a set that describes the regulatory environment, stakeholder acceptance, technical performance, techno-economic assessments and revenue generation potential, state of the supply chain, pathways to market and maturity of the sector where a technology might be deployed. This approach enables the consideration of a complementary set of indicators that are largely governed by location-specific factors that lends itself to transnational research and innovation projects where both, TRL and CRI need advances to accelerate deployment.

CRIs do not have to be addressed directly in the submitted proposals. However, project proposals must illustrate how their projects may help accelerate the time to market of affordable, cost-effective, low environmental impact and resource efficient CCUS technology.

Access to top class research infrastructure is key for reaching ACT objectives. Project proposals should, if relevant, seek to maximise synergies with existing infrastructures, such as, for example ECCSEL¹, members of the International Test Centre Network² and the Alberta Carbon Conversion Centre³ (ACCTC). Projects should have a significant bearing on accelerating CCUS technology.

¹ Details available at www.eccsel.org

² Details available at <https://www.nationalcarboncapturecenter.com/itcn/>

³ <https://innotechalberta.ca/research-facilities/alberta-carbon-conversion-technology-centre-acctc/>

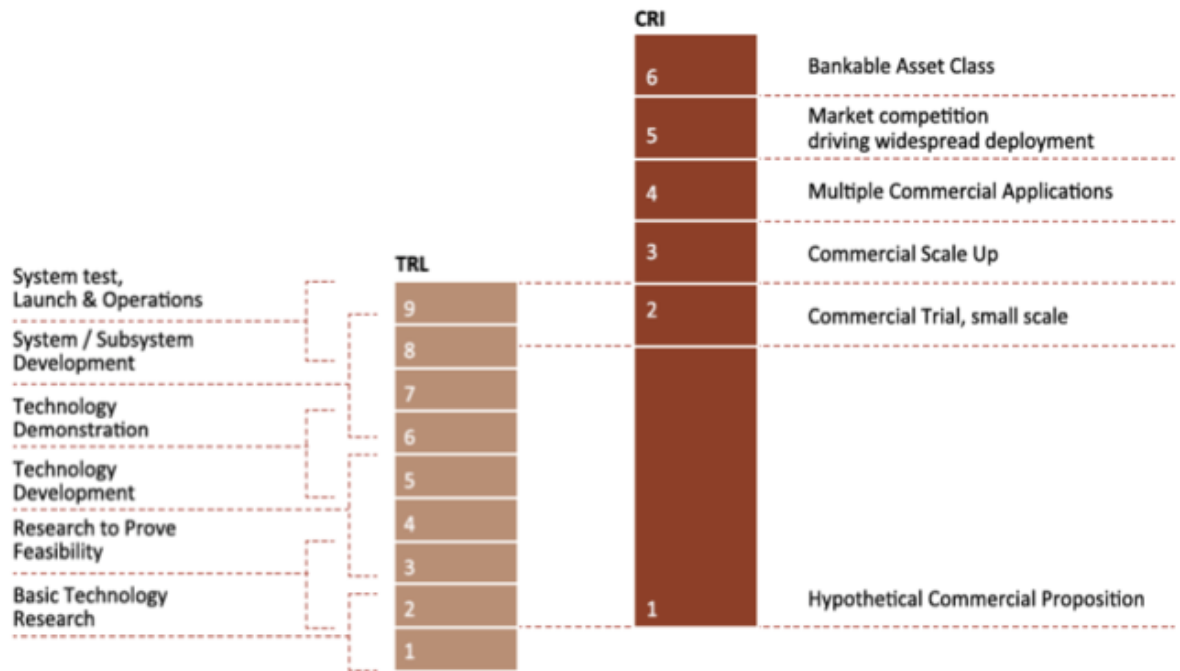


Figure 1. Relationship between Technology Readiness Levels (TRL) and Commercial Readiness Indicators (CRI). Source: Looking Forward: Barriers, risks and rewards of the Australian Geothermal Sector to 2020 and 2030⁴. Commonwealth of Australia (Australian Renewable Energy Agency) 2014.

Where relevant, CO₂ utilisation projects should include documentation to show that the project processes result in reductions of CO₂ emissions. Further information is provided in a number of the relevant funding bodies’ rules in Annex 1.

Research related to public acceptance or environmental impact indicators may form a part of proposals.

5. Rules for Participation (transnational eligibility criteria)

The requirements detailed in this section must be met by **all** applicants. In addition to these general requirements there are *specific national/regional funding body rules that must also be followed* (see Annex 1).

For applicants in EU countries, compliance with EU rules and guidelines for state aid is crucial. Each of the ACT funding organisations shall ensure that their funding of the respective national/regional part of an ACT project is in accordance with state aid regulations.

5.1. Types of research, development and innovation activities

ACT is seeking innovative projects that range from smaller research projects to new or already existing pilot and demonstration facilities sites. New pilot and demonstration facilities should have potential for upscaling to industrial size either in a demo phase or early commercial phase. The combination of activities ranging from basic to applied research within one project is eligible and encouraged (differentiation between research stages should be described in the relevant work packages) as long as the eligibility rules of the individual funding agencies involved are fulfilled.

⁴ See in particular: Annex C Briefing note: Commercial Readiness Index
ACT – Accelerating CCUS Technologies

5.2. Who can participate and apply?

Each project proposal must be submitted by a project consortium consisting of at least three eligible applicants funded by at least three countries / regions participating in this ACT call. Each project consortium must have the required expertise to undertake research and development within the specified themes.

5.2.1. Lead Applicant's Role

The Lead Applicant submits the joint proposal and will be responsible for running and managing the project, if the proposal is selected for funding. The lead applicant will be the contact point with the ACT Secretariat on behalf of the whole project consortium and will be responsible for the administrative management of the project. In addition, the Lead Applicant will act as the national/regional consortium leader and be responsible for leading any national/regional partners. The Lead Applicant must be eligible for funding by one of the funding bodies participating with funding for this call. Please check the eligibility criteria of the relevant national/regional funding bodies in Annex 1.

5.2.2. Co-Applicant's Role

Each Co-Applicant is responsible for their share of the project work. There may be more than one Co-Applicant from a country/region. If there is more than one Co-Applicant from a country/region, one of them should be identified as the national/regional consortium leader. All Co-Applicants must be eligible for funding by one of the funding bodies participating with funding in this call. Please check the eligibility criteria of the relevant national/regional funding bodies in Annex 1.

5.2.3. Cooperation Partners

A Cooperation Partner is a partner in the proposal that participates without receiving funding from one of the ACT-consortium countries/regions, either because their national/regional funding body is not participating in the call or because they are not eligible for funding from participating funding bodies. Cooperation Partners can be included in the consortium if (a) they finance their activity from other sources than ACT and (b) the consortium in general fulfils the requirements on the number of applicants from participating countries/regions. Project consortia involving Cooperation Partners must ensure that project results will be relevant for participating countries/regions.

5.2.4. Project Consortium

The added value to the project resulting from cooperation must be addressed in the proposal. There is no limit to the total number of partners who may be involved in each project. However, the ACT Consortium expects proposals for large projects to be submitted by consortia comprising applicants from at least four participating countries/regions. The term "large projects" as used in this call text refers to projects with either a budget request above four million Euros or at least ten partners. Those with a budget at or below four million Euros and less than ten partners are "small projects".

The following applies in general to all projects:

- No partner may represent more than 70% of the activity (in terms of person months) in the project.
- Consortia may consist of partners from universities, companies, industry organisations, local/regional governments, research organisations and NGOs.
- Consortia may consist of partners across several positions and disciplines within research and development systems (i.e. basic research, applied research, innovation, business etc.)
- In the case of the large projects, the consortia are required to demonstrate the interest of industry partner(s) by actively involving them in the project.
- All partners must provide a Letter of Intent as part of the full proposal. Such a letter must contain an explicit declaration regarding any financial or in-kind contributions agreed upon and the role of the partner. In-kind is regarded as a contribution of an individual's and or entity's time and or

materials (use of software or access to facilities) which may or may not have a cost and may or may not be a signatory to a grant agreement.

- Changes to the composition of the consortium are permitted, provided that if a partner is dropping out, is being replaced or is added, this will have only a minor impact on the planned output of a consortium. Any change to the project of any type requires the prior approval of the involved funding bodies.

5.3. Project Duration and Budget

It is expected that projects are funded for a duration of up to 3 years and will start around end September 2021. Shorter projects that accelerate CCUS development are encouraged. The exact starting date may depend on the budget allocation and requirements of specific funding bodies. A justification of the requested budget will be required as part of the proposal. The estimated budget must be provided in the format indicated in Annex 4. All costs must be eligible according to the funding bodies' rules (see Annex 1). If in doubt, applicants should consult their respective funding bodies which can advise on funding rules (contact details can be found in Annex 1).

5.4. Funding Bodies' Rules and Eligibility Criteria

In addition to the general rules and procedures laid down in the section above, specific eligibility criteria apply for each of the participating funding bodies, which must also be met by applicants. This includes but is not limited to: restrictions on the types of organisations that can be funded, requirements regarding the types of activities that can be funded, national/regional evaluation rules, maximum funding per partner or per project, etc. We strongly recommend that applicants contact the national/regional contact person at the relevant funding body (see Annex 1) to confirm their eligibility before submitting a proposal.

Please note that both the funding bodies' eligibility criteria and those listed in this call text must be met in order for proposals to go forward to the second stage of the evaluation.

6. Submission

Within the framework of ACT, a **two-stage submission and evaluation procedure** will be adopted.

All pre-proposals (stage 1) and full proposals (stage 2) to this ACT call shall be submitted by the lead applicant to the ACT Secretariat (Research Council of Norway, RCN).

Proposals must be prepared in English. Proposals written in other languages will not be accepted (however you may also be asked by your national/regional contact person to submit in your own language).

6.1. Submission of Pre-Proposals (Stage 1)

Pre-proposals (stage 1) shall be submitted to RCN by email to act-ccs@rcn.no.

Pre-proposals must be based on the template in Annex 2 together with partner information and budgets set up in the template in Annex 4.

Submission of a pre-proposal is required before the deadline of 10 November 2020, 13:00 CET. Please note that pre-proposals will be rejected if the application is not received by this deadline (there will be no exceptions)⁵.

All documents must be submitted as PDF. In addition, Appendix 4 must be submitted as an Excel file. As an alternative, encrypted files can be submitted, and file transfer systems can also be used. In all cases all

⁵ Note the ACT management group reserves the right to amend any deadline in the event of exceptional circumstances.

information must be submitted before the deadline, including information on how to open encrypted files and information on how to access file transfer systems.

Regarding additional national/regional requirements for the submission of documents at the national/regional level you are advised to carefully check Annex 1: *Specific Funding Bodies' Rules*.

6.2. Submission of Full Proposals (Stage 2)

Full proposals (stage 2) shall be submitted via the electronic application system of the ACT Secretariat (hosted by the Research Council of Norway). A link to the system will be provided in December 2020 to all applicants invited to stage 2.

Full proposals must be based on the template in Annex 3 together with budgets set up in the template in Annex 4.

Submission of the full project proposal must be via the ACT Secretariat's electronic submission system before the deadline of 15 March 2021, 13:00 CET (again, late applications cannot be accepted under any circumstances). (However, see Footnote 5 on exceptional circumstances).

The electronic submission system requires that a standard form is filled in with key data for the proposal. Please note that financial figures should be in Euro, even when the submission system asks for Norwegian Krone (to avoid unnecessary administrative costs ACT is using the system used by the Norwegian Research Council). In addition, a PDF (Portable Document Format) of the proposal must be submitted.

An **online help document for submission** is provided via The Research Council of Norway system. Details are available at <https://www.forskningsradet.no/en/apply-for-funding/writing-grant-applications/learn-more-about-the-application-form/>.

Regarding additional national/regional requirements for the submission of documents at the national/regional level you are advised to carefully check Annex 1: *Specific Funding Bodies' Rules*.

The full proposal should be submitted with signed Letters of Intent (LoI) from **all Co-Applicants / Co-operation Partners as appendices to the proposal**. Therefore, it is **the Lead Applicant's duty to ensure all partner's LoI are signed on submission**.

6.3. General Conditions

By transmitting your pre-proposal/full proposal, you give permission for it to be forwarded to your relevant funding body as well as to all other participating funding bodies involved in ACT. You also agree that the proposal can be forwarded to independent evaluators.

It is not possible to resubmit the pre-proposal/full proposal or parts of it or to revise the pre-proposal/full proposal after the submission deadline. Resubmitting the proposal before the submission deadline is possible.

If after reading the instructions in this Call text, information at the ACT-website and the online help document linked above you still have technical questions about the use of the system, please contact the ACT Secretariat at the Research Council of Norway (contact details available in Section 11).

7. Evaluation procedure

Within the framework of ACT, a **two-stage** evaluation **procedure** will be adopted.

First, the pre-proposals will be assessed by the national/regional funding bodies. The procedure used for this assessment, in particular the depth of the assessment, varies among the participating funding bodies. Further information on this may be available from the national/regional contact persons or, for a few

participating countries/regions, can be found in the national/regional information in Annex 1. Following submission of the pre-proposals, the national/regional funding bodies will select which pre-proposals go forward to stage 2 of the evaluation. The successful consortia will then be invited to elaborate their pre-proposals and produce a full proposal.

Second, full proposals will be evaluated and ranked by independent international experts. A common decision on funding will then be made by the relevant funding bodies. The decision will be communicated to the applicants by the ACT Secretariat at the Research Council of Norway. The international decision is not subject to appeal.

7.1. Evaluation Criteria

Proposals will be evaluated according to the following criteria (Table 2), which are applicable in addition to national criteria.

Table 2. Evaluation aspects for ACT

Excellence	5 points
<ul style="list-style-type: none"> ▪ In accordance with the objectives of the call text ▪ Clarity and relevance of the project's objectives ▪ Credibility of the proposed technology/concept – including trans-disciplinary considerations, where relevant ▪ Credibility of the proposed project approach ▪ Ambition and innovation potential - e.g. beyond the current state of the art. ▪ Added value of transnational co-operation within CCS ▪ Scientific merit 	
Impact (potential impact of the results of the Research and Innovation, R&I , project)	5 points
<ul style="list-style-type: none"> • Expected contribution to the facilitation of the emergence of CCS (e.g. through cost and risk reduction, involvement of relevant industrial partners, opening niche markets, surmounting major barriers) • Strength of the proposed research data management, exploitation and dissemination plans (including IPR management, where relevant) • Impact on any other environmental or socially important impacts, such as public acceptance. • Industrial relevance 	
Quality and efficiency of the implementation of the R&I project	5 points
<ul style="list-style-type: none"> ▪ Coherence and expected effectiveness of the project plan, including the appropriateness of task, use of methods, resource allocation and timing ▪ Budget allocation ▪ Strength of management structures and governance procedures, including risk management ▪ Capability of the Lead Applicant (and partners) to deliver the project and to commercialize the technology further - including e.g. suitability of expertise, complementarity, balance of contributions 	

7.2. Scoring and Thresholds

Proposals will be evaluated on the basis of the criteria 'excellence', 'impact' and 'quality and efficiency of the implementation'. The criteria will be weighted equally for small projects. For large projects the weighting will be:

50% impact
30% excellence
20% implementation

Evaluation scores will be awarded for each criterion, and not for the different aspects listed in Table 2 above. Each criterion will be scored using the following scale:

- 0) Unacceptable
- 1) Weak
- 2) Average
- 3) Good
- 4) Very good
- 5) Excellent

Half marks will be used. The threshold for individual criteria will be 3. The overall threshold, applying to the sum of the three individual scores, will be 10.

8. Consortium Agreement (CA)

Each project recommended for funding is required to have a signed consortium agreement (CA) between all partners prior to the start of the project, which addresses as a minimum the following topics:

- Internal organisation and management of the consortium
- Intellectual Property arrangements
- Settlement of internal disputes

Please note that the CA is for the benefit of the consortium members to regulate the collaboration process and safeguard important issues, such as Intellectual Property Rights (IPR).

Suggestions on how to establish CA are found in Annex 5. However, any type of CA that the consortium agrees to will be accepted.

Please check in advance which model to use and the expected time to have it signed.

9. Documentation and Forms

All documents relevant to the call are published on the ACT website: www.act-ccs.eu/calls/.

10. Project Monitoring and Reporting

Project monitoring and reporting will be in accordance with the respective funding body's rules. In addition to the respective funding body's requirements, the consortia (by the Lead Applicant) are requested to deliver basic progress reports (in English) to the ACT Secretariat, on a quarterly basis. For large projects, there will be a mid-term review. The ACT Secretariat can also invite small projects to a mid-term review. A reporting template will be provided.

Furthermore, one project observer from one of the participating funding organisations will be assigned to each of the funded projects to monitor the progress in transnational cooperation on behalf of the participating funding organisations and to provide a communication link between the project and the Call Secretariat.

The consortia should also take into consideration in planning and budgeting that project reporting (oral or poster) is also expected at the annual ACT knowledge sharing workshops.

All partners participating in the funded projects must ensure that all outcomes (publications, etc.) of the funded projects include a proper acknowledgement of the ACT initiative and the respective funding bodies.

11. Contacts and Further Information

11.1. General information on the joint call

Updated information on this joint call and all relevant documents/templates are published on www.act-ccs.eu.

If you have questions on the general call process and proposal submission, please contact the ACT Secretariat at:

The Research Council of Norway	For scientific issues:	For application and submission issues:
Drammensveien 288	Aage Stangeland	Siri Kinge Ovstein
Postbox 564	Phone: +47 22 03 73 70	Phone: +47 22 03 75 28
N-1327 Lysaker	Mobile: +47 95 82 29 03	Mobile: +47 924 14 649
Phone: +47 22 03 70 00	E-mail: ast@rcn.no	E-mail: sov@rcn.no

ACT–Coordinator:

Ragnhild Rønneberg, The Research Council of Norway (RCN), Phone: + 47 91 55 86 62, e-mail: rr@rcn.no

11.2. Contact Persons of Participating Funding Bodies

For questions regarding specific funding bodies' rules and additional forms please check *Annex 1: Specific funding bodies' rules* first.

Additional information can be obtained by contacting the indicated national/regional contact persons at the participating funding bodies.

Table 3. National/regional contact persons

Contact persons	Organisation	Name	e-mail	Phone
Canada - Alberta	ERA	Mark Summers	msummers@eralberta.ca	+1-780-498-2544
Denmark	ENS/EUDP	Annika Fischer Lærke S. Hansen	afi@ens.dk Lksh@ens.dk	+45 25 72 82 93 +45 33 92 68 75
France	ADEME	Aïcha El khamlichi	Aicha.elkhamlichi@ademe.fr	+33 2 41 20 82 25
Germany	PTJ	Hannes Stadler Heiko Gerhauser Annette Weiß	h.stadler@fz-juelich.de h.gerhauser@fz-juelich.de a.weiss@fz-juelich.de	+49 2461 61 85352 +49 2461 61 96830 +49 2461 61 9025
Greece	GSRT	Anna Rosenberg	a.rosenberg@gsrt.gr	+30 2131300095
The Netherlands	RVO	Gerdi Breembroek Peter Balemans	gerdi.breembroek@rvo.nl Peter.balemans@rvo.nl	+31 6 5256 4480 +31 6 1589 7704
Nordic Energy Research	NER	Nicki Carnbrand Håkansson Jun Elin Wiik	Nicki.Hakansson@nordicenergy.org jun.wiik@nordicenergy.org	+46 73 406 24 21 +47 934 19 411
Norway	RCN	Aage Stangeland Siri Kinge Ovstein	ast@forskningsradet.no sov@forskningsradet.no	+47 95 82 29 03 +47 92 41 46 49
Romania	UEFISCDI	Nicoleta Dumitrache	nicoleta.dumitrache@uefiscdi.ro	+40 21 302 38 86
Switzerland	DETEC	Gunter Siddiqi	gunter.siddiqi@bfe.admin.ch	+41 58 462 5324
Turkey	TUBITAK	E. Burcu Yamak	Burcu.yamak@tubitak.gov.tr	+903122981812
United Kingdom	BEIS	Brian Allison Hannah Lord	brian.allison@beis.gov.uk hannah.lord@beis.gov.uk	+44 300 06 85358 +44 300 06 85547
United States	DOE – Office of Fossil Energy	Mark Ackiewicz Darin Damiani Lynn Brickett Amishi Kumar	mark.ackiewicz@hq.doe.gov darin.damiani@hq.doe.gov lynn.brickett@hq.doe.gov amishi.kumar@hq.doe.gov	+1 301 903 3913 +1 202 287 5282 +1 412 260 7345 +1 301 903 7637

Annex 1: Specific Funding Agencies' Rules

The funding agencies are listed in alphabetic order.

Canada/Alberta Region

Country/Region	Canada /Alberta Region
Funding organisation	Emissions Reduction Alberta (ERA)
National contact person	Mark Summers Executive Director, Technology and Innovation msummers@eralberta.ca +1-780-498-2544
Funding commitment	\$5 million CAD, ~€3.3 million at current exchange rate
Anticipated number of projects with Canadian partners	Approximately 2-5 anticipated. No minimum or maximum specified.
Maximum funding per awarded project	\$5 million CAD (approximately €3 million)
Eligibility of a partner as a beneficiary institution	ERA funding is open to all categories of applicant, including technology developers, industry, industrial associations, small and medium-sized enterprises (SMEs), research and development (R&D) organizations, universities, municipalities, not-for-profit organizations, government research labs, and individuals.
Eligibility of costs	<p>The maximum funding contribution from ERA for any one project is \$5 million CAD.</p> <p>ERA will match applicant contributions toward eligible expenses on a one-to-one (1:1) basis. The maximum ERA contribution to a single project will be no more than 50% of the project's eligible expenses.</p> <p>ERA will not match other government funds provided directly for the proposed project (federal, provincial, or international), or future revenue associated with the outcomes of the project such as offset credits or emissions performance credits associated with the project, tax incentives associated with the project (e.g. Canadian SR&ED credits), revenue from sales of the project's end-products (e.g. from offtake agreement), or non-eligible contributions.</p> <p>For information about eligible expenses and costs, please refer to the ERA <i>Eligible Expenses and Cost Instructions</i> document available at https://eralberta.ca/wp-content/uploads/2019/10/ERA-Eligible-Expenses-and-Cost-Instructions-Jun-2018.pdf.</p>
Submission of the proposal at the national level	In addition to the ACT proposal, ERA may require applicants to provide supplemental information to support due diligence and portfolio reporting. This information may include detailed budget information, an extended Greenhouse Gas benefits analysis, and/or additional information on the specific alignment with the Alberta market.

Submission of financial and progress reports at the national level	All ERA funding recipients will be required to provide technical and financial progress reports at key milestones over the course of the project. The schedule of milestones will be determined in collaboration between ERA and funding recipients.
Information available at	https://eralberta.ca
Other	<p>ERA funding is targeted for projects at the technology scale-up, field pilot, commercial demonstration, or commercial implementation stages (TRL 5-9).</p> <p>Alberta is home to the Alberta Carbon Conversion Technology Centre (ACCTC), a real-world test bed for carbon capture and conversion technologies. Applicants are strongly encouraged to consider piloting or testing their technology at the ACCTC. See https://innotechalberta.ca/research-facilities/alberta-carbon-conversion-technology-centre-acctc/ for more information.</p>

Denmark

Country/Region	Denmark
Funding organisation	Energy Technology Development and Demonstration Program (EUDP)
National contact person	Lærke Skov Hansen, lksh@ens.dk , +45 33 92 68 75 Annika Fischer, afi@ens.dk , +45 25 72 82 93
Funding commitment	3 mill. EUR
Anticipated number of projects with Danish partners	N/A
Maximum funding per awarded project	3 mill. EUR
Eligibility of a partner as a beneficiary institution	Public or private business enterprises or knowledge institutions are eligible for aid. However, company participation is recommended to ensure acceleration of the process bringing the technology to the market
Eligibility of costs	Danish applicants must comply with the EUDP rules which can be found on the link below (section 3): ENG: https://ens.dk/sites/ens.dk/files/Forskning_og_udvikling/eudp_rules_march_23_2015.pdf DK: https://ens.dk/sites/ens.dk/files/Forskning_og_udvikling/regelsaet_eudp_marts_2015.pdf
Submission of the proposal at the national level	All Danish applicants who pass the pre-proposal stage have to submit a national application immediately after they have submitted their full proposal via the electronic application system of the Research Council of Norway. The national application forms including further information must be submitted through the application portal of EUDP. The national application has to follow the Danish application form.
Submission of financial and progress reports at the national level	National scientific and financial reporting has to happen according to national guidelines: ENG: https://ens.dk/sites/ens.dk/files/Forskning_og_udvikling/eudp_rules_march_23_2015.pdf DK: https://ens.dk/sites/ens.dk/files/Forskning_og_udvikling/regelsaet_eudp_marts_2015.pdf

Information available at	<p>ENG: https://ens.dk/en/our-responsibilities/research-development/eudp</p> <p>DK: https://ens.dk/ansvarsomraader/forskning-udvikling/eudp</p>
Other	<p>EUDP supports projects within TRL 4-8.</p> <p>EUDP cannot support projects that only contains research activities (TRL0-4). However, projects that combines research activities with development and demonstration activities are eligible for funding. Applications with research content are sent to Innovation Fund Denmark for an external research assessment. If the Innovation Fund Denmark concludes that the research content isn't eligible for support, EUDP cannot support the project and the application will be rejected.</p> <p>EUDP can only support activities that are related to the development and demonstration of energy technologies (CCUS included).</p> <p>Ineligible Project Activities:</p> <p>It is not possible to receive funding for activities, which aim to:</p> <ul style="list-style-type: none"> • Develop business models, market analyses, sales promotion and other commercial market activities, including distributing existing technology or involving commercial operation of facilities, etc. • Expand infrastructure. • Carry out pre-production planning or streamlining production or control processes, etc

France

Country/Region	France (FR)
Funding organisation	The French Agency for the Environment and Energy Management (ADEME)
National contact person	Ms El khamlichi Aïcha (CCUS R&D program Manager) Tel: +33.2.41.20.82.25 Email: aïcha.elkhamlichi@ademe.fr
Funding commitment	1 million €, subject to approval
Anticipated number of projects with French	Up to 2.
Maximum funding per awarded project	French partners of successful projects after eligibility and transnational selection processes will be funded by ADEME within the limits of available funding
Eligibility of a partner as a beneficiary institution	There is no constraint regarding the number of companies to be involved from France, but company participation is recommended to ensure dissemination and knowledge transfer.
Eligibility of costs	French applicants should comply with the agency financial guidelines for research and innovation available at: - FR summary : http://www.ademe.fr/recherche-innovation/financer-theses-recherche-linnovation/systeme-daide-rdi - Full document (FR): https://www.ademe.fr/sites/default/files/assets/documents/deliberation_du_ca_n_18_5_8_du_6_decembre_2018.pdf Note that typically, funding rates of French participants can be up to 70% for universities or research organizations with eligible personnel costs following an additional cost model. For companies, funding rates shall not exceed 50% except for SMEs which can be up to 70%
Submission of the proposal at the national level	All French applicants who pass the pre-proposal stage have to submit a national application immediately after they have submitted their full proposal via the electronic application system of the Research Council of Norway. The national application forms including further information will be directly sent by ADEME.
Submission of financial and progress reports at the national level	Scientific and financial reporting according to national criteria should be addressed to ADEME. At this early stage, French potential beneficiaries should be aware that ADEME procedures require French version for intermediary and final reports.
Information available at	
Other	We highly recommend contacting the ADEME national contact during the preparation of your project in order to check if their proposal is relevant with the national priorities.

Germany

Country/Region	Germany
Funding organisation	PtJ, Projektträger Jülich
National contact person	Dr. Heiko Gerhauser E-mail: h.gerhauser@fz-juelich.de Tel.: +49 (0)2461 61 96830 Website: www.ptj.de
Funding commitment	National funding indication: Up to €3 million in national funding depending on final budget allocation (€1 million confirmed)
Anticipated number of projects with German partners	2-5
Maximum funding per awarded project	No hard limit
Eligibility of a partner as a beneficiary institution	The organisations which are eligible for funding as well as the eligibility criteria for cooperation are listed in the national guidelines. Additionally, note that new CO ₂ geological storage projects within Germany are not eligible in this call. Research and development on geological storage must be at existing sites in Germany or take place outside of Germany.
Eligibility of costs	For detailed information visit: https://www.ptj.de
Submission of the proposal at the national level	German partners must submit their national partner application in German via easy-Online (https://foerderportal.bund.de/easyonline/) into the national electronic submission system. This applies to both the first stage (=“Skizze”) and the full proposal. The deadline for the “Skizze” is the same as the international deadline. The deadline for the national full proposal will be communicated to successful applicants in a letter. The German application at both stages consists of a form and a submitted text document. The latter (Vorhabenbeschreibung for the full proposal) does not have to contain a translation of the international proposal. Skizzentext and Vorhabenbeschreibung should contain additional information relevant for the German application and only a very brief summary of the international application for context as appropriate.
Submission of financial and progress reports at the national level	Yes, scientific and financial reporting according to national criteria.
Information available at	https://www.ptj.de/projektfoerderung/angewandte-energieforschung/technologien-co2-kreislaufwirtschaft https://www.bmwi.de/Redaktion/DE/Downloads/B/bekanntmachung-forschungsfoerderung-im-7-energieforschungsprogramm.pdf?__blob=publicationFile&v=3 The most relevant section for this call is “3.15 Technologien für die CO ₂ -Kreislaufwirtschaft”. The requirements of the national call text need to be met in addition to those of the international ACT call text. Failure to do so will result in ineligibility.

Other	We highly recommend contacting the national contact person during the preparation of the project. Not contacting the national contact person may have a material impact on your chance of being selected for funding.
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Greece

Funding organisation	General Secretariat for Research & Technology (GSRT)
National contact person	<p>Anna Rosenberg Project Officer Ministry for Development and Investments General Secretariat for Research & Technology International S&T Cooperation Directorate Bilateral and Multilateral Cooperation Section 14-18 Messogeion Ave., 115 10 Athens, Greece Tel.: +30 2131300095, e-mail: a.rosenberg@gsrt.gr Website: www.gsrt.gr</p>
Funding commitment	€ 1.000.000 “Operational Programme for Research, Entrepreneurship and Innovation 2014-2020, Research and Innovation Smart Specialization Strategy (RIS3)”
Anticipated number of projects with Greek partners	~ 5
Maximum funding per awarded project	<p>Upper funding limits for the eligible costs Upper limit of the total public funding will be 200.000 € per project (including indirect costs). Please note that this amount can be increased to 250.000 € <u>per project</u> if Greek partner assumes the project coordination. The maximum state aid intensity will be calculated according to the provisions of the European state aid rules and regulations</p> <p>The aid intensity: A. Public Research Institutes and Universities The aid intensity can reach 100% for performing non economical activities in accordance to the point 19 of the article 2.1.1 of the «Framework for State aid for research and development and innovation» (2014/C 198/01)).</p> <p>B. Private Sector (a) 50 % of the eligible costs for industrial research; (b) 25 % of the eligible costs for experimental development;</p> <p>The aid intensities for industrial research and experimental development may be increased up to a maximum aid intensity of 80 % of the eligible costs as follows: (a) by 10 percentage points for medium-sized enterprises and by 20 percentage points for small enterprises; (b) by 15 percentage points if one of the following conditions is fulfilled: (i) the project involves effective collaboration: — between undertakings among which at least one is an SME, or is carried out in at least two Member States, or in a Member State and in a Contracting Party of the EEA Agreement, and no single undertaking bears more than 70 % of the eligible costs, or — between an undertaking and one or more research and knowledge-dissemination organisations, where the latter bear at least 10</p>

	<p>% of the eligible costs and have the right to publish their own research results;</p> <p>(ii) the results of the project are widely disseminated through conferences, publication, open access repositories, or free or open source software</p> <p>The aid intensity for feasibility studies may be increased by 10 percentage points for medium-sized enterprises and by 20 percentage points for small enterprises</p>
Eligibility of a partner as a beneficiary institution	<p>GSRT potentially supports all private and public legal entities namely: private enterprises (such as SMEs, large companies etc), research organizations, higher education institutions, and other public organizations with R&D activities). Individuals as well as individual enterprises are not eligible under this scheme.</p> <p>Applicants may submit in the current call, if they are enterprises, up to two (2) proposals from the same enterprise, and for Public research Institutes and Universities up to (2) proposals at the level of the same Laboratory or School or Institute or Department.</p>
Eligibility of cost	<p>a) personnel costs: researchers, technicians and other supporting staff to the extent employed on the project.</p> <p>(b) costs on fixed assets i.e. b1) costs of instruments and equipment to the extent and for the period used for the project. Where such instruments and equipment are not used for their full life for the project, only the depreciation costs corresponding to the life of the project, as calculated on the basis of generally accepted accounting principles are considered as eligible and b2) costs for buildings and land, to the extent and for the duration period used for the project. With regard to buildings, only the depreciation costs corresponding to the life of the project, as calculated on the basis of generally accepted accounting principles are considered as eligible. For land, costs of commercial transfer or actually incurred capital costs are eligible.</p> <p>(c) costs of contractual research, knowledge and patents bought or licensed from outside sources at arm's length conditions, as well as costs of consultancy and equivalent services used exclusively for the project.</p> <p>(d) additional general costs and other operating expenses, including costs of materials, supplies, travel expenses, organization of meetings, dissemination/publicity costs, audit costs, incurred directly as a result of the project implementation.</p> <p>(e) indirect costs = flat rate 15% of gross personnel costs including VAT = 15%*. Indirect costs are eligible for all legal entities and include costs that do not incur directly as a result of the project implementation (e. g. administrative and management costs, utility costs).</p> <p>* Note:</p> <ul style="list-style-type: none"> • Please bear in mind that scientific management costs are eligible under category (a) whereas administrative and financial/legal management costs fall under eligible categories (e) or (d)-audit costs only. • Subcontracting is allowed. This will be clarified in the guidelines of the national call.

Submission of the proposal at the national level	<p>National requirements: Submission at the national level is required at a later stage. A national call will be published to support the approved, at the transnational level, proposals only. Detailed information on the procedure and the funding rules will be provided at the GSRT website in the guidelines of the national call, during the submission period. For more information please contact the National Contact Person.</p>
Submission of financial and progress report at the national level	Yes, progress and financial reporting.
Information available at	http://www.gsrt.gr/central.aspx?sld=108I334I1106I646I444510&olID=671&neID=673&neTa=12_30670_1&ncID=0&neHC=0&tbid=0&lrID=2&oldUIID=aI671I0I108I334I1106I0I2&actionID=load
Other	<p>Applicants are advised that this annex is for general guidance only. For more detailed rules and or more information please contact the National Contact Person.</p> <p>Duration of the projects The duration of a funded project is 24months.</p> <p>Evaluation At national level, only eligibility check is conducted and not a full evaluation in stages 1 and 2. We rely on the evaluation of external experts</p> <p>Topic Priorities</p> <p>All topics and subtopics in Compatibility with our RIS3 TRL 3-(7) (according to COMMISSION REGULATION (EU) No 651/2014/Definitions for Aid for Research, Development and Innovation, pages 24-26/par. 83-96) GSRT potentially supports the following types of RTD, namely: Industrial research, experimental development, feasibility studies (COMMISSION REGULATION (EU) No 651/2014 article 25)</p>

The Netherlands

Country/Region	The Netherlands
Funding organisation	Ministerie van Economische Zaken en Klimaat Acting through: Rijksdienst voor Ondernemend Nederland (RVO) (Netherlands Enterprise Agency)
National contact person	Peter Balemans, RVO Tel: +31 6 1589 7704 E-mail: Peter.Balemans@rvo.nl Gerdi Breembroek, RVO Tel: +31 6 5256 4480 E-mail: Gerdi.breembroek@rvo.nl Website: through www.rvo.nl/ccs
Funding commitment	€ 4.000.000 national funding
Anticipated number of projects with Dutch partners	No limitations
Maximum funding per awarded project	<p>Maximum funding per project is limited to M€ 1,5. No other limits.</p> <p>The relevant legal publication is § 4.2.18 ERA-NET energieprojecten (http://wetten.overheid.nl/BWBR0035474; use the left column to scroll to the right section; in Dutch).</p> <p>Maximum percentages of support for R&D using the definitions laid down in the General Block Exemption Regulation (GBER):</p> <ul style="list-style-type: none"> - Research by Research and knowledge-dissemination organisations: up to a maximum of 80% - Industrial research: up to a maximum of 50% - Experimental development: up to a maximum of 25% <p>On top of the above percentages for Industrial research and Experimental development, the following applies:</p> <ul style="list-style-type: none"> - An aid intensity increase for small (+20 percentage points) or medium (+10 percentage points) enterprises, (Article 25, under 6, under a, of the GBER). - An aid intensity increase with another 10 percentage points, in case of effective collaboration between an undertaking and one or more research and knowledge-dissemination organisations, under the conditions mentioned in Article 25, under 6, under b i), second bullet, of the GBER. <p>Demonstration plants that qualify as experimental development can be funded with the relevant percentages, see explanation above. If a demonstration concerns the production of renewable energy or energy efficiency, consult the legal text for the appropriate percentages (article 4.2.122 of the Regeling nationale EZK en LNV-subsidies).</p>

Eligibility of a partner as a beneficiary institution	Definitions according to the guidelines laid down in the General Block Exemption Regulation (GBER) on research, development and innovation. All organisations are eligible except provinces, communities and other public bodies.
Eligibility of cost	Project cost according to the guidelines laid down in the GBER and the “Kaderbesluit Nationale EZ subsidies”; including personnel cost, cost of instruments and equipment, cost for contractual research, knowledge and patents from outside sources, additional operating expenses, directly related to the project. See also www.rvo.nl/subsidiespelregels .
Submission of the proposal at the national level	<p>Subsidies will be granted using the general guidelines laid down in the Kaderbesluit nationale EZ subsidies and the Regeling nationale EZK en LNV subsidies, according to § 4.2.18 ERA-NET energieprojecten. Consult the national contact person in case of queries.</p> <p>National submission parallel to submission to ACT 2nd stage; deadline 3 working days after deadline for full proposal. A national application form and budget specification form need to be completed for the national part of the project. Submission procedure through E-loket.</p> <p>In the Netherlands, pre-proposals will be evaluated in collaboration with TKI Nieuw Gas.</p>
Submission of financial and progress reports at the national level	Yes, progress and financial reporting.
Information available at	http://www.rvo.nl/ccs
Other	<ul style="list-style-type: none"> • Strong industrial participation is highly recommended. • Proposals should aim at technologies applicable in pilots and/or demonstrations within 5 years after project finalization. • Dutch partners in ACT-projects need to share progress and results in Dutch CCS network through CATO. Confidentiality of information will of course be respected. Brief public annual progress reports will be expected.

Nordic Energy Research

Country/Region	Nordic countries: Denmark, Finland, Iceland, Norway, Sweden, including the autonomous areas of Åland, Faroe Islands and Greenland
Funding organisation	Nordic Energy Research (NER)
National contact person	Nicki Carnbrand Håkansson, Nicki.Hakansson@nordicenergy.org ++46 73 406 24 21 Jun Elin Wiik jun.wiik@nordicenergy.org +47 934 19 411
Funding commitment	3,0 MNOK (~€ 0.3M)
Anticipated number of projects with Nordic partners	2
Maximum funding per awarded project	Only limited by available funding commitment from Nordic Energy Research
Eligibility of a partner as a beneficiary institution	<p>Eligible applicants are public and private entities, e.g.:</p> <ul style="list-style-type: none"> • Universities • Research institutes • Private SME's • Private large companies • Proposal must incorporate partners from at least two Nordic countries to be eligible for funding • Partners funded by NER should include one of the following research topics in their research: public acceptability, laws and regulations, CCUS business models, environmental issues. <p>Please visit the website for detailed information. Please visit the website for more information.</p>
Eligibility of costs	Personnel, travel costs, consultancy, material costs, laboratory costs, equipment costs, patent, indirect costs (only academia). Please visit the Nordic Energy Research website for detailed information such as rules regarding funding intensity.
Submission of the proposal at the national level	Yes.
Submission of financial and progress reports at the national level	Yes. Progress and financial reporting according to NER's rules.
Information available at	https://www.nordicenergy.org/call/third-call-for-proposals-under-act/

Other	<p>Each project proposal for ACT 3 must be submitted by a project consortium consisting of at least three eligible applicants involving at least three funding organisations participating in the ACT 3 call. Thus, applicants from two Nordic countries applying for funds from NER will together count as one partner in the total project proposal.</p> <p>Applicants are required to consult the Nordic Energy Research website for further details to ensure that project proposals comply with Nordic priorities.</p> <p>We highly recommend contacting the national contact person during the preparation of the project.</p> <p>Nordic applicants may be offered planning grants by applying for NER's open call for planning grants within energy research.</p>
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Norway

Country/Region	Norway
Funding organisation	The Research Council of Norway (RCN)
National contact person	Dr. Aage Stangeland Tel: +47 95 82 29 03 E-mail: ast@forskningsradet.no Website: www.rcn.no
Funding commitment	Up to NOK 60 M national funding
Anticipated number of projects with Norwegian partners	Between 5 and 10
Maximum funding per awarded project	Only limited by available funding commitment from Norway. The maximum funding rate must be according to state aid guidelines as described at the RCN web site, see this link .
Eligibility of a partner as a beneficiary institution	<p>All Norwegian sub-projects must meet all requirements and eligibility criteria related to one of the three following project schemes defined by RCN. Please make a clear statement in the ACT application describing which one of the three project schemes that is selected for your Norwegian sub-project.</p> <p>1. Collaborative Projects to Meet Societal and Industry-related Challenges Project proposals must incorporate cooperation between an approved Norwegian research organisations and actors from outside the research sector. The applications must meet requirements and eligibility criteria as specified at this link at the RCN web.</p> <p>Partners that are not a research organisation must take active part in the design of research questions and the execution of the project. Partners that are not a research organisation must comprise minimum 10% of the total Norwegian project budget.</p> <p>All project partners are eligible to receive funding from the Research Council of Norway. However, projects where industrial partners cover their own cost will be considered more relevant. Project where industrial partners even cover parts of the budget for research organisations will be considered even more relevant.</p> <p>2. Knowledge-building Projects for Industry Project proposals must include research organisations performing the project with financial support from industrial partners. Applications must meet requirements and eligibility criteria as specified at this link at the RCN web.</p> <p>Project proposals must include industrial partners or public general users that are financing at least 20 percent of the total Norwegian</p>

	<p>budget. The contribution from industry must in general be cash, not in-kind.</p> <p>Only the research organisations are eligible for funding from RCN.</p> <p>Due to the Covid-19 situation the following exceptions can be accepted:</p> <ul style="list-style-type: none"> - Cash contribution from industry during 2021 may be waived. - 10 percent cash contribution from industry. <p>The above exceptions can be accepted if the applicants can document that the project cannot be carried out with full industry financing because of the Covid-19 situation.</p> <p>3. Innovation projects for the industrial sector</p> <p>The applicant must be a company, preferably in cooperation with research organisations. Applications must meet requirements as specified at this link at the RCN web.</p> <p>The funding rate will be according to the state aid guidelines. As an example, Industrial Research can be funded by 50 percent, with possibilities of higher funding rates if certain criteria are fulfilled, see link above.</p> <p>For further questions regarding the RCN project schemes please contact: Dr. Aage Stangeland Tel: +47 95 82 29 03 E-mail: ast@forskningsradet.no</p>
Eligibility of costs	Se above. Eligible costs are as defined for the three project types listed above.
Submission of the proposal at the national level	No required additional submission at national level in Norway. However, the application submitted at international level must have a clear specification of budget and financing plan for the Norwegian sub-project. Budget and financing plan must be broken down with details for all Norwegian partners.
Submission of financial and progress reports at the national level	Scientific and financial reporting is required, following the standard national procedures at the Research Council of Norway.
Information available at	www.rcn.no

<p>Other</p>	<p>Norwegian priorities</p> <p>The Norwegian sub-projects of applications submitted to ACT must comply with the CLIMIT Programme Plan.</p> <p>The ACT portfolio of ongoing projects include many projects on CO₂ monitoring lead by Norwegian coordinators. New Norwegian sub-projects related to monitoring of CO₂ must therefore include significant industry involvement and be at higher TRL level than ongoing ACT projects within CO₂ monitoring.</p> <p>Norwegian partners in ACT projects can only apply for funding for activities that are relevant for long term storage of CO₂. This means that Norwegian partners cannot receive funding for CCU activities where the CO₂ is back in the atmosphere on a short timescale. Activities related to utilisation of CO₂ can be accepted if there is relevance for long term storage of CO₂.</p> <p>Norwegian partners in ACT projects cannot receive funding for activities within Air Capture.</p> <p>Strong industrial participation is highly recommended. Proposals should aim at technologies applicable in pilots and/or demonstrations within 5 years after project finalization.</p> <p>Evaluation procedure in stage 1.</p> <p>Applications will be evaluated as described in the call text. In Norway, pre-proposals will be evaluated in collaboration with in-house expertise at Gassnova. When selecting pre-proposals to be invited to stage 2 the following criteria will apply</p> <ul style="list-style-type: none"> • Eligibility • Relevance according to the CLIMIT Programme Plan • Level of industrial participation • Relevance for the full-scale CCS project in Norway • Relevance for adding new volumes of CO₂ to the Norwegian full-scale CCS project. This is often referred to as “Gevinstrealiseringsprosjektet” <p>It is expected that the total sum asked for by all Norwegian partners in proposals invited to stage 2 will be approximately twice the available funding from RCN.</p> <p>Contact person</p> <p>We highly recommend contacting the national contact person during the preparation of the project.</p>
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Romania

Country/Region	Romania
Funding organisation	UEFISCDI, Executive Agency for Higher Education, Research, Development and Innovation Funding
National contact person	Nicoleta Dumitrache E-mail: nicoleta.dumitrache@uefiscdi.ro Tel.: +40.21.302.38.86 Website: www.uefiscdi.gov.ro
National funding commitment	€0.5 million in national funding
Maximum funding per awarded project	€0.25 million (if the project is coordinated by a Romanian institution) €0.20 million (if the Romanian institution (s) is (are) partner(s))
Anticipated number of projects with Romanian partners	~2 large, ~3 small
Eligibility of a partner as a beneficiary institution	The organisations which are eligible for funding as well as the eligibility criteria for cooperation are listed in the national guidelines available via http://uefiscdi.gov.ro/userfiles/file/PNCIDI%20III/P3_cOOPERARE%20INTERNATIONALA/ERA%20NET_ERA%20NET%20COFUND/PI%20ERA-NET%202015_consultare.pdf
Eligibility of costs	For detailed information visit: http://uefiscdi.gov.ro/userfiles/file/PNCIDI%20III/P3_cOOPERARE%20INTERNATIONALA/ERA%20NET_ERA%20NET%20COFUND/PI%20ERA-NET%202015_consultare.pdf
Submission of the proposal at the national level	No. But the project proposal from the whole consortia must have a separate appendix with total budget for Romanian partners broken down on cost and financing for all Romanian partners. State aid guidelines must be addressed along standard guidelines for ordinary project proposals to the UEFISCDI.
Submission of financial and progress reports at the national level	Yes, scientific and financial reporting according to national criteria.
Information available at:	https://uefiscdi.ro/act-accelerating-ccs-technologiestechnologies?&wtok=06dc5ff5b9359f10ecc219cda121341cd603359f&wtkps=XY5bDolwEEX3Mt+CnZZChfZgTFwB0EoaKxjKKxj3bumP0a85uTk3dyrK6eVJEizj3XkoLaHMkaFSpSdB4K2GQBkjEK7LsF7nptqmre022Q0NF5xjUmd5veoE543pxe4+EsTLCfgpBgWB1s/ucj2KgnHFFZMqGkH9JgfMUA nGmWKxJWPr/NfB8M2vGHYWs4MI9Oj15EzaD206mZv1jbbpbM2SVsNom95B+f4A&wchk=1579da788dbcabeea00e680aae9cb1744ac9d21b
Other	We highly recommend contacting the NCP during the preparation of the project.

Switzerland

Country/Region	Switzerland
Funding organisation	Swiss Federal Office of Energy (SFOE)
National contact person	<p>For general issues: Gunter Siddiqi, Tel: +41 58 462 5324 gunter.siddiqi@bfe.admin.ch</p> <p>For administrative issues: Men Wirz, Tel: +41 58 462 5597 men.wirz@bfe.admin.ch http://www.bfe.admin.ch/pilotdemonstration</p> <p>Program name and link: Pilot-, Demonstration- and Flagship Program https://www.bfe.admin.ch/bfe/en/home/research-and-cleantech/pilot-and-demonstration-programme.html</p> <p>Type of research funded: Pilot (TRL 4-7) and demonstration (TRL 7-9)</p>
Funding commitment	Up to CHF 3 million. Note that projects will be assessed according the SFOE's pilot-, demonstration- and flagship program.
Anticipated number of projects with Swiss partners	Not specified.
Maximum funding per awarded project	All projects selected are subject to the limitation imposed by the admission criteria and the available budget of the national funding program.
Eligibility of a partner as a beneficiary institution	No restrictions (any third party to the Swiss Confederation).
Eligibility of costs	Funding of Swiss participants is limited to 40% (in exceptional cases 60%) of the eligible project costs. Eligible projects costs cover only the additional project costs that cannot be amortized over the expected lifetime of the developed installation or solution. Additional projects costs are the additional project costs compared to the costs of implementing an equivalent, conventional technology or solution.

Submission of the proposal at the national level	<p>Yes.</p> <p>Full project proposals for Swiss funding must be submitted any time prior to the deadline for pre-proposals prescribed in this ACT call. Potential applicants for Swiss funding undergo a national evaluation that is entirely decoupled from the ACT proposal evaluation. Outcomes of the national evaluation take absolute precedence. Alignment with important dates related to this ACT call will not be guaranteed. The process is rigid and does not allow for flexibility.</p> <p>Applicants can only participate in the submission of an ACT full proposal, if they have received a positive funding decision from the Swiss Federal Office of Energy regarding the proposal that has been submitted at the national level of Switzerland.</p> <p>Admission criteria include:</p> <ol style="list-style-type: none"> 1. Project topic contributes to increasing energy efficiency or use of renewable energy; 2. High potential for application and success potential; Full applications have to be submitted according to the application procedure specified in the documents <i>directive</i> and <i>application for financial support</i> at: https://www.bfe.admin.ch/bfe/en/home/research-and-cleantech/pilot-and-demonstration-programme.html 3. Project topic in line with the Swiss energy policy; 4. Results are publicly accessible and disseminated among interested circles. <p>See the program directive for the complete list of admission criteria.</p> <p>Expected deliverables of pilot- and demonstration program projects include:</p> <ol style="list-style-type: none"> 1. Proof of concept of facilities, systems and proposed solutions, 2. Intermediate and final reports of individual projects providing details on technical feasibility, 3. Operational achievements and project economics (particularly related to innovative energy technologies and installations) and 4. Demonstrated knowledge transfer to target community providing details on individual measures that have been implemented. <p>The SFOE does not claim any IPR. It is explicitly allowed to protect intellectual property as far as this does not block the dissemination of the results.</p>
Submission of financial and progress reports at the national level	Yes, scientific and financial reporting according to program rules.
Information available at	https://www.bfe.admin.ch/bfe/de/home/forschung-und-cleantech/pilot-und-demonstrationsprogramm.html
Other	Get in touch with the National Contact Persons.

Turkey

Country/Region	Turkey
Funding organisation	
National contact person	E. Burcu YAMAK E-mail: burcu.yamak@tubitak.gov.tr Tel.: +903122981812
National funding commitment	0.4 M Euro
Anticipated number of projects with Turkish participation	Approximately 2-3 anticipated. No minimum or maximum specified.
Maximum funding per awarded project	Depending on type of the institution (government or private) funding varies. Please check national rules guidelines .
Eligibility of a partner as a beneficiary institution and eligibility of costs	Eligible applicants: Higher education institutions, their institutes, public R&D centres, SMEs and private companies established in Turkey. Funding rate: 100% for higher education institutions, their institutes, public R&D centres, 60% for large companies and 75% for SMEs
Eligibility of costs	Personnel, travel, equipment/tool/software, service procurement, material costs.
Submission of the proposal at the national level	Turkish partners will make their online application via TUBITAK's online system reachable from uidb-pbs.tubitak.gov.tr . Turkish partners will use E-Signature for their applications. Detailed information can be achieved via: http://www.tubitak.gov.tr/sites/default/files/281/ardeb_eimza_yardim_dokumani.pdf
Submission of financial and progress reports at the national level	Scientific and financial reporting according to national criteria.
Information available at	Further information please check national rules guidelines .
Other	We highly recommend contacting the NCP during the preparation of the project.

United Kingdom

Country/Region	United Kingdom (UK)
Funding organisation	The Department for Business, Energy and Industrial Strategy (BEIS)
National contact persons	<p>Mr Brian Allison and Miss Hannah Lord Tel: +44 300 06 85358 Tel: +44 300 06 85547 Email: brian.allison@beis.gov.uk Email: hannah.lord@beis.gov.uk Website: www.gov.uk/beis</p>
Funding commitment	BEIS “The UK, under the ACT3 Call wishes to remain a key member of the ACT Consortium, however future UK spending decisions do not allow us to commit to a specific amount of funding for ACT3 at this stage. The level of funding will be determined at a later stage once the availability”
Anticipated number of projects with UK participation	Up to 10 depending on final funding decision.
Maximum funding per awarded project	Only limited by available funding commitment from United Kingdom.
Eligibility of costs	<p>Grants will be provided under Article 25 of the EU State Aid General Block Exemption Regulation - Aid for research and development projects under the definition of fundamental/experimental development (or industrial research if appropriate).</p> <p>Applicants must be able to provide evidence of private funding to cover the balance of the eligible project costs. Applicants should consult the Block Exemption guidance for eligible costs; claims under the UK grant must be for project costs incurred in the UK.</p> <p>UK: Sub-contracting Unless agreed otherwise:</p> <ul style="list-style-type: none"> • Subcontracting is to be capped at a maximum of 20% of the UK budget. • All UK grant costs, including sub-contracts, should be incurred within the UK. <p>Project management costs cannot be sub-contracted.</p>
Eligibility of a partner as a beneficiary institution	<p>BEIS eligibility</p> <p>All UK participants in a single project must be separate legal entities. UK companies must:</p> <ul style="list-style-type: none"> • have been trading for at least 12 months before the closing date for applications • be VAT registered • be registered at Companies House <p>Companies need to provide the following with the Stage 1 application: (1) evidence they have the resources and finances to undertake the project . (2) the ability to provide (if asked) a copy of their annual accounts for the last two submitted financial years.</p>

Eligibility of a partner as a beneficiary institution (Cont)	<p>Companies with fewer than 5 Full Time staff cannot lead a project, unless agreed prior to application.</p> <p>All projects that are successful at Stage 1 will be visited (dependent on the COVID19 situation at the time) before Stage 2. You will be informed what will need to be covered at that meeting at an appropriate time.</p> <p>The UK is particularly interested in ACT3 projects that address;</p> <ul style="list-style-type: none"> • Mission Innovation (MI); see following link http://mission-innovation.net/our-work/innovation-challenges/carbon-capture/ Carbon Capture Challenge PRDs. • Outputs from both MI Workshops • Outputs from the SET Plan • Linkages to the UK's Carbon Capture and Storage (CCS) Infrastructure Fund (when details formally announced) <p>Projects led by industrial partners will be particularly welcome as will projects that have industrial partners within the project.</p> <p>One piece of advice to UK organisations, please make sure that all partners are clear about what their involvement will be AND have had early discussions about IPR and Consortium Agreements.</p>
Submission of the proposal at the national level	<p>Please discuss with the National Contact (above).</p> <p>The National Contact person may ask for draft project proposals as soon as they become available. The project proposal from the whole consortia must have a separate appendix with total budget for UK partners broken down on cost and financing for all the UK-partners.</p> <p>State Aid Guidelines must be addressed along with standard guidelines for ordinary project proposals to BEIS. It is for the UK applicants to ensure that State Aid Rules will be complied with.</p>
Submission of financial and progress reports at the national level	<p>Yes, scientific and financial reporting according to national criteria. For successful projects this will be laid out in the Grant Offer Letter (GOL).</p>
Information available at	<p>By contacting the National Contact Point.</p>
Other	<p>We highly recommend contacting the National Contact, at the very earliest opportunity, during the preparation of your project.</p>

United States of America

Country/Region	United States (US)
Funding organisation	Department of Energy-Office of Fossil Energy (DOE-FE)
National contact person	<p>Mr. Mark Ackiewicz (Director, CCUS R&D) Tel: +1 301 903 3913 Email: mark.ackiewicz@hq.doe.gov</p> <p>Mr. Darin Damiani (Carbon Storage Program Manager) Tel: +1 202 287 5282 Email: darin.damiani@hq.doe.gov</p> <p>Mrs. Lynn Brickett (Carbon Capture Program Manager) Tel: +1 412 260 7345 Email: lynn.brickett@hq.doe.gov</p> <p>Ms. Amishi Kumar (Carbon Utilization Program Manager) Tel: +1 301 903 7637 Email: amishi.kumar@hq.doe.gov</p>
Funding commitment	US\$2 million (Equivalent to approximately 1.8 million €). Funding is split equally between carbon capture and carbon utilization. It is noted that the US funding commitment may increase if one or more of the US DOE supported Regional CCUS Initiative projects submit a geologic storage proposal and are selected for award.
Anticipated number of projects with US participation	<p>Up to 4 (up to 2 projects in carbon capture, up to 2 projects in carbon utilization).</p> <p>It is noted that the US may support additional geologic storage projects if one or more of the US DOE-supported Regional CCUS Initiative projects submit a geologic storage proposal and are selected for award.</p>
Maximum funding per awarded project	Projects are limited to US\$500,000. Any projects that exceed this limit will be eliminated from consideration.
Eligibility of a partner as a beneficiary institution	<p>Research on carbon capture and utilization is solicited. Specific research related to industrial carbon capture is suggested. Additionally, reactive capture, an approach where both capture and utilization are done without a separate need for regeneration will also be considered. Capture and Utilization proposals are open to DOE national laboratory participants only.</p> <p>Geologic storage proposals are open exclusively to the prime recipient of the US DOE supported Regional CCUS Initiative projects (DE-FE0031830; DE-FE0031836; DE-FE0031837; DE-FE0031838).</p>
Eligibility of costs	Subject to DOE and FE requirements for national laboratory field work proposals (FWPs) and the terms and conditions of the Regional CCUS Initiative project cooperative agreements identified above.
Submission of the proposal at the national level	Yes, in draft format prior to submission date. Purpose is to show alignment of the full proposal with DOE-FE goals and objectives. US National Laboratories must also submit a FWP to DOE, similar to other projects with DOE-FE.

Submission of financial and progress reports at the national level	Yes, scientific and financial reporting according to standard DOE policy.
Information available at	
Other	Contact one of the national contacts if there are specific questions.

Annex 2: Template for pre-proposal

Concise description of the project (for small projects up to 10 pages for points 1 to 4 below, for large projects up to 20 pages)

Please give an overview of the project, including:

- a) Objectives and targets (against defined technology and market development needs)*
- b) Key activities (work programme, work packages and work distribution among partners, i.e. key activities and leading roles / major contributions of partners)*
- c) Expected results (innovation or innovation potential, contribution to achieving the ACT objective of accelerating and maturing CCS technology, etc.)*
- d) Added value through transnational cooperation for the whole project*

Please also provide a full project title and an acronym.

1. Objectives and challenges

[your pre-proposal text]

2. Short description of your project including key activities

[your pre-proposal text]

3. Expected results

[your pre-proposal text]

4. Relevance to ACT and trans-national added value

[your pre-proposal text]

5. Approximate projected costs in EUR

[table giving total costs and requested funding for each partner and the consortium as a whole, detailing also any other requested funding for the same work]

- Please use attached table in Annex 4.

6. Short description of partners involved

[maximum half a page per partner, no CV's required]

Annex 3: Template for full proposal

- 1. Publishable summary of the project (max. 1 page)**
- 2. Scientific, technological and commercial objectives and challenge (max. 2 pages)**

Give evidence relating to the scientific, technological and commercial objectives and challenges of the project, outlining:

- *Overall aims and objectives of the projects,*
- *Key targets to be achieved in the project*
- *Technology Readiness Levels including a short justification*
- *Scientific, technical and commercial challenges*

- 3. Technical and scientific description of the project**

Describe:

- *State-of-the-art*
- *Innovation of your approach*
- *Technical milestones and expected results*
- *Methodologies and technologies utilised to obtain goals*
- *Recent research relevant to the project undertaken by the consortium partners*
- *Clear definition of the national subprojects (detailed description of activities performed in each country)*

- 4. Outline of Work Plan (page limits for 3. And 4. together: max. 30 pages, large projects may use up to 65 pages)**

Please outline the following clearly:

- *Project structure*
- *Individual work package description with person-months per work package and partner*
- *Milestones, deliverables and time schedule, including Gantt chart*
- *Role of each partner; relevant expertise, resources, manpower, costs*
- *Monitoring and management of the project*

- 5. Relevance to ACT objective of accelerating and maturing CCS technology and transnational added value (max. 2 pages)**

Please outline:

- *Relevance of the project to the ACT objective of accelerating and maturing CCS technology*
- *Scientific/technical/industrial/commercial expertise of the consortium partners which is relevant for the success of the project*
- *Value of national subprojects*

- *Added value of transnational cooperation*

6. Risks and mitigation measures (max. 2 pages)

Please outline for your project the most relevant risks (technical, economical, commercial, organizational and political), their severity, and preventive and mitigation measures.

7. Status of Consortium Agreement (max. ½ page)

Give a brief outline of the consortium agreement. Include whether the Consortium Agreement is at the initial or final draft stage or is in the process of being signed. Give an indication as to the expected date of agreement signature.

8. Further information

- a) Experience of participants (max. 1 pages per partner. In addition, max. 4 CV's per partner. Max. 2 pages per CV)**

Brief additional profile information (CVs, relevant professional experience etc.) of all partners (Principal investigators) together with lists of up to 5 recent publications, description of companies or institutions.

- b) Main facilities, equipment (max. ½ page)**

If applicable, a description of significant facilities and large-scale equipment available to the consortium that is necessary to fulfil the aims of the project.

- c) Tables regarding project cost and requested funding**

The tables should give total costs and requested funding for each partner and the consortium as a whole. Any non-personnel line item of more than €50.000 requires an explanation. Also, additional (expected) sources of funding should be specified.

Please use the table in Annex 4. for budgeting

- d) Letters of Intent (LoI) from each partner (max. 2 pages per partner)**

Should express the partner's role and contribution in-cash and in-kind in the project.

- e) Plan for hosting a knowledge sharing workshop (for large projects only, 2 pages)**

A plan and site for hosting one of the annual knowledge-sharing workshops should be included in the full proposal. This plan is subject to modification after consultation with the funding agencies of ACT.

Annex 4: Tables for partner information and budgeting

Use this [link](#) to find Annex 4.

Annex 5: Consortium Agreement (CA)

A Consortium Agreement (CA) must be established between the consortium members to regulate the collaboration process and safeguard important issues, such as Intellectual Property Rights (IPR).

There are several possibilities for establishing a signed CA and all the alternatives listed below can be considered:

- The DESCA model is a template designed to fit European countries and could quite easily be used by projects having only European partners.
- A revised DESCA model can be used for projects with partners outside Europe. Wordings and terms difficult to accept for some partners can be deleted or changed as long as all project partners agree.
- If DESCA/revised DESCA is not useful, a CA can be based on any template suitable for all project partners.
- If a CA that is acceptable to all Consortium members cannot be developed, one alternative will be signed Letters of Commitments (LoC) from all partners. ACT will accept this solution. There might be a need for national CAs alongside such LoCs (there are some countries where a CA is a formal need). The wording in the LoC can be based on Letters of Intent (LoI) that must be submitted together with the application. Signed LoCs together with a separate IPR agreement can also be a workable solution.
- Another alternative is a simplified CA together with a separate document on how to handle IPR. Such a CA could be only a few paragraphs stating that all partners will collaborate as described in the application submitted to ACT.
- If project partners find it difficult to agree on one CA covering all partners, ACT will accept that a project operates with several CAs (e.g one for European partners and another for non-European partners).