



# ERA-NET Cofund ACT – Accelerating CCS Technologies

Netherlands Enterprise Agency

### What is ACT?

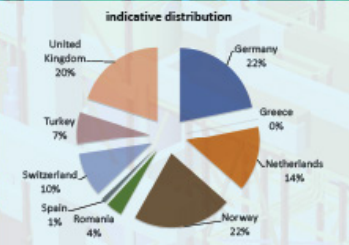
ACT aims to accelerate and mature CCS technology by making available funds for innovation and research activities. Ten partners and the European Union work together in an ERA-NET Cofund towards that aim, with the Netherlands Enterprise Agency (RVO.nl) as the Dutch partner. The ERA-NET Cofund is in the grant agreement stage.

### What will ACT do?

Early 2016, ACT will publish a joint call for proposals with a budget of 41 million euros, for large-scale transactional projects that facilitate the incorporation of CCS in the energy and industrial sectors. In the Netherlands, a significant industrial participation of 50% is sought. In 2018 and 2020, there will be additional calls.

### Stay informed!

Provisionally, the call will be published March-April 2016. There will be a two-stage selection process. Information on actual timing will be available through Gerdi.Breembroek@RVO.nl, the website www.ACT-CCS.eu (now only a domain name) and www.ccs-cto.org.



### Provisional thematic areas in ACT

Thematic area	Lead	Start/End
Chain integration	UK	up to 2020
Capture	UK	2016-20
Transport	UK	2016-20
Storage	UK	2016-20
Utilisation and integration of CO <sub>2</sub> in the energy chain	UK	2016-20
Other	UK	2016-20

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# Accelerating CCS Technologies

## ACT ERANET Cofund

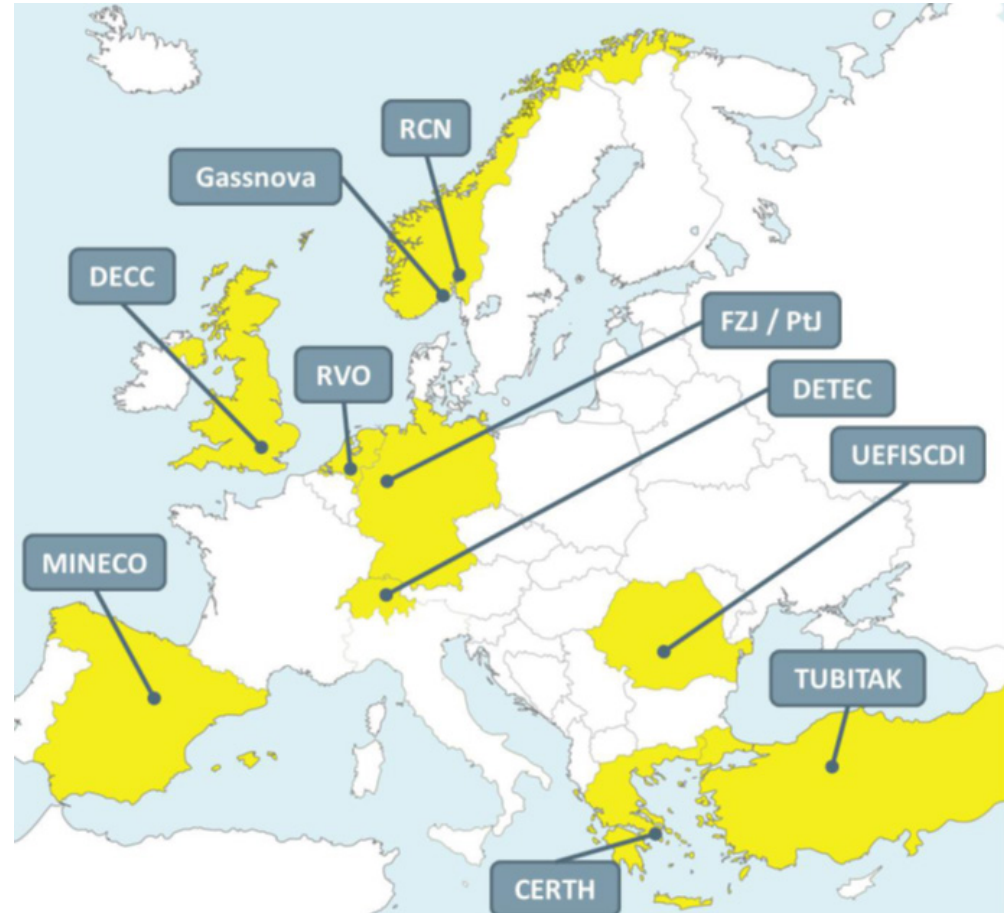
Gerdi Breembroek  
Harry Schreurs

Netherlands Enterprise Agency



# What is ACT?

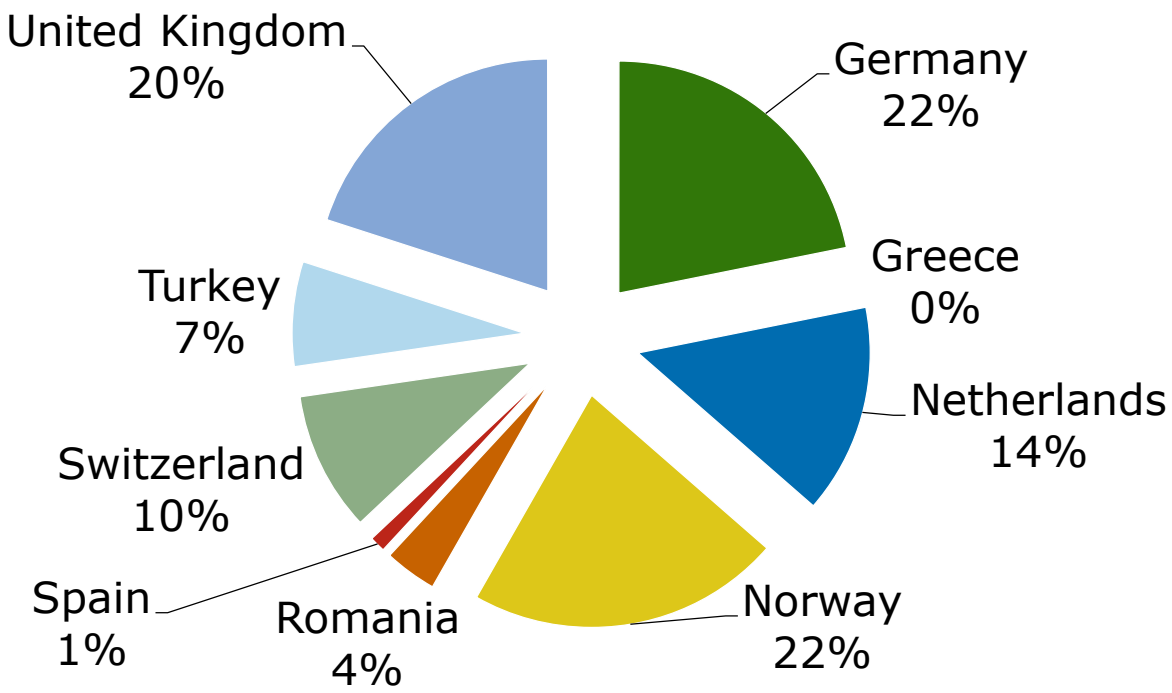
- Bringing together funding for research & demonstration
- 9 partner countries
- ERANET Cofund
- EC top-up funding
- Proposal approved September 2015
- Project started 1 February 2016





# First joint call for proposals

**ME 41 for first joint call**  
indicative distribution





# Indicative thematic areas

Thematic area	Aim	
<b>Chain integration</b>	Addressing RD&D gaps in the full CCS chain, including CO <sub>2</sub> capture, transport, and storage, incorporating related case studies for social acceptance.	Up to M€ 20
<b>Capture</b>	Capture techniques emphasising efficiency, competitive cost and flexible operations. Advanced technologies aiming in a higher operational flexibility and energy efficient capture	M€ 7-10
<b>Transport</b>	Pipelines and ship transport aimed at early operations of European CCS projects for power generation and industry	M€ 7-10
<b>Storage</b>	Measurement, monitoring and verification (MMV) at relevant storage sites and the surrounding geosphere emphasising tools and methodology	M€ 7-10
<b>Utilisation as an integral part of the energy case</b>	Optional CO <sub>2</sub> utilisation via e.g. enhanced oil recovery (EOR) including prospective revenue streams and related viable business models, as a vehicle to make CO <sub>2</sub> capture viable.	M€ 7-10
	Total:	M€ 41



# Indicative timeline

<b>Call pre-announcement</b>	February 2016
<b>Call publication</b>	Early June 2016
<b>Due date first stage proposals</b>	5 September 2016
<b>Invitation to 2<sup>nd</sup> stage</b>	Mid-September 2016
<b>2<sup>nd</sup> stage full proposal</b>	14 January 2017
<b>Recommendations for funding</b>	End of March 2017
<b>Funding decisions for projects finalised</b>	July 2017



## What ACT hopes to see

- Large-scale transnational projects
- Close to the market – collaboration with demonstration projects sought
  - Saskpower seeks to collaborate with European researchers within the framework of ACT – work in progress
- High industrial participation



## Work in progress

- Precise conditions of the subsidy in the Netherlands
  - Subsidies will with very high probability be according to General Block Exemption Regulation (Algemene Groepsvrijstellingsverordening) – EU N° 651/2014 of 17 June 2014, Article 25
    - > Fundamental research
    - > Industrial research
    - > Experimental development
    - > An example is the TSE Hernieuwbare Energie subsidy
- Ranking criteria

# www.act-ccs.eu



ACT - Windows Internet Explorer

http://www.act-ccs.eu/ ACT



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## ACT - Accelerating CCS Technologies

ACT is a European initiative to establish **CO<sub>2</sub> capture and storage (CCS)** as a tool to combat global warming.

ACT means **Accelerating CCS Technologies**, and the ambition of the ten partners is to fund research and innovation projects that can lead to safe and cost effective technology.

The ACT partners have 41,2 million euros available for a Call for project proposals that will be published June 2016.

### Partners area

#### Sign up for our newsletter:

Email Address \*

Start



23:2  
9-3-2016





# How ACT will interact

- Through CATO
- Through mailing list
- Klankbordgroep
  - CATO, ROAD, TNO, ECN, two independent experts



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