

# Accelerating CCS Technologies

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**Welcome to the ACT  
workshop 13 November 2018**

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Co-funded by the  
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# Ambition of ACT

- International cooperation – the tool for accelerating implementation of CCUS in a variety of industries
- Fund research and innovation projects that can lead to safe and cost effective technology.



# Status for the ACT calls



## 1st Call for proposals, June 2016

- 10 partners from 9 countries cooperate
- 8 new projects decided for funding in 2017
- Project period 3 years
- 36 M€ from ACT
  - of which 12,2 M€ from the EC

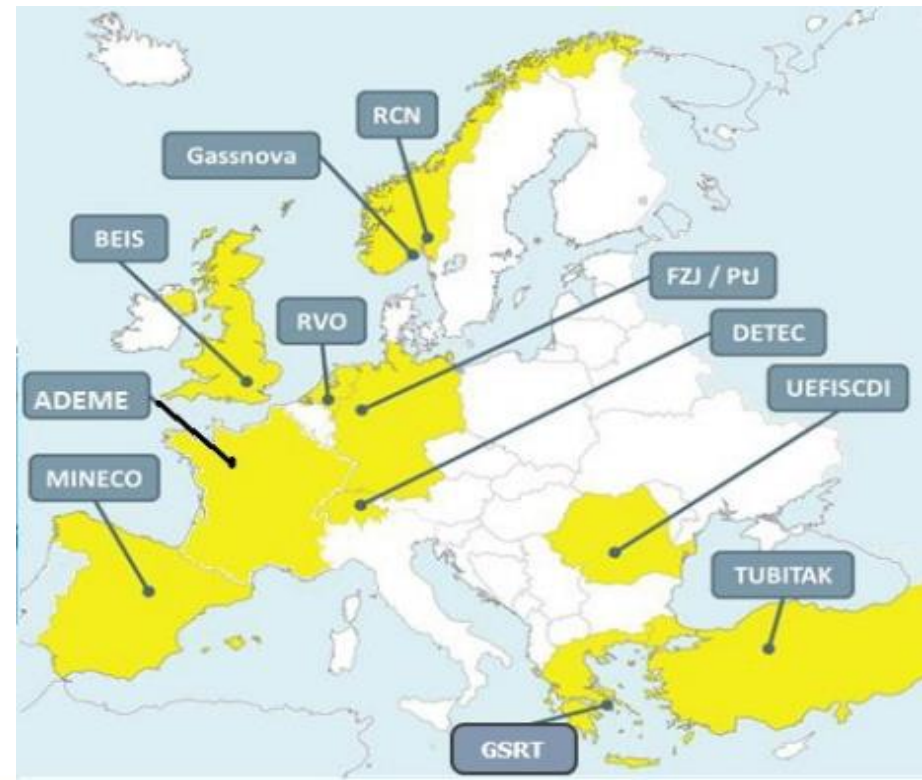
## 2nd call for proposals, June 2018

- 13 partners from 12 countries
- Budget of 22-30 M€
- 47 pre-proposals, requesting 112M€
- Invitation to submit full proposal 1 March 2019



# ACT call 2 in 2018, partners

- France, Germany, Greece, The Netherlands, Norway, Romania, Switzerland, Spain, Turkey, UK and USA
- Total budget: 22-30 M€



# 1<sup>st</sup> call. Projects funded, 2017-2020

Project	Activities	ACT, M €	Norway	Netherlands	UK	Germany	Romania	Switzerland	Spain	Turkey
ALIGN	Chain integration, clusters	14,5	x	<b>X</b>	x	X	X			
ELEGANCY	Chain integration, hydrogen	8,9	<b>X</b>	x	x	X		x		
PRE-ACT	CO2 storage, pressure handling	4,5	<b>X</b>	x	x	X				
ACORN	Full chain CCS / infrastructure	2,0	x	x	<b>X</b>					
DETECT	CO2 storage, risk assessment	2,0		<b>X</b>	X	X				
ECOBASE	CO2-EOR SouthEast Europe	1,2	<b>X</b>	x			x			x
GASTECH	Gas switching technology	1,7	<b>X</b>	x			x	x	x	x
3D-CAPS	3D printed sorbents	1,5	X	<b>X</b>			x			

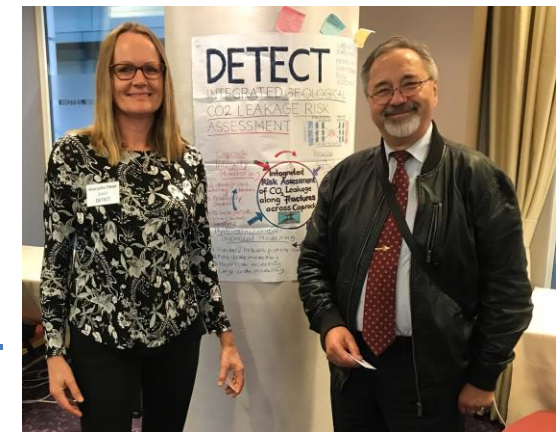
- Total budget for 8 projects: € 50 M
- ACT supporting: € 36 M

**bold X** = lead country  
more info at [www.act-ccs.eu](http://www.act-ccs.eu)



# Additional activities and Knowledge Sharing

- ACT is more than just the single projects
- The projects can learn from each other
- The projects should together with the ACT consortium lead to accelerated CCS deployment in Europe and beyond
- Everyone should focus on communication of results to CCUS stakeholders, industry, and decision makers
- Knowledge Sharing Workshop in Romania 24 October 2017 for funded projects
- Current Workshop at RWE, Germany, 13 November 2018
- ...and in Greece in 2019



# ACT – funded projects, topics of today

## 1. Reach-out

- How does the project contribute to accelerating CCS by reach-out to industry, to decision makers, to the general public, to the scientific community?
- How do you communicate?
- What do you know or measure about the effectiveness of your communication?

## 2. Collaboration within the project

- How do you collaborate/communicate in your transnational project
- What works well, what could be improved?

## 3. Synergies with other ACT projects

- Are there any results?
- Should this be taken forward?

# ACT – agenda 13 November 2018

10:00-10:20	Greeting, Introduction
10:20-10:50	Align (Tom Mikunda, Peter van Os)
10:50-11:20	Elegancy (Svend Munkejord)
11:20-11:50	Pre-Act (Peder Eliasson)
11:50-12:10	CCUS in the US, Department of Energy (John Litynski)
12:10-12:30	7 <sup>th</sup> Energy Research Program, German Ministry of Economics and Energy (Johannes Kerner)
12:30-13:20	<i>Lunch</i>
13:20-14:50	Tour of power plant and CO <sub>2</sub> capture and utilization facilities
14:50-15:10	ECO-BASE (Anders Nermoen, Roman Berenblyum)
15:10-15:30	Acorn (Hazel Robertson, Philippa Parmiter)
15:30-15:50	Detect (Marcella Dean)
15:50-16:10	3DCaps (Robert de Boer, Jaap Vente)
16:10-16:30	Gastech (Shahriar Amini)
16:30	Closing remarks
----->18:00	Meeting room will be available for informal exchange