



6th ACT Knowledge Sharing Workshop

24 November 2021

SS Rotterdam, The Netherlands/Virtual meeting

The ACT consortium organises **the 6th ACT Knowledge Sharing Workshop** as a hybrid event -both as a virtual and physical meeting- on **24 November 2021**. The aim is to ensure fruitful knowledge sharing and increase collaboration between the ACT funded projects and other CCUS initiatives.

The workshop will highlight ongoing projects from the second ACT Call and ACT3 projects will be briefly presented.

The **6th ACT Knowledge Sharing Workshop** is part of the two-day CCUS conference on «Development, Challenges and Opportunities for CCUS in Europe's fight against climate change», on 23 and 24 November, co-organised by CATO, the Norwegian Embassy in The Hague, the Ministry of Economic Affairs and Climate Policy and ERANET-ACT.

Find the programme here

<https://www.co2-cato.org/news/events/ccs-conference-rotterdam/24-nov-2021>

Register here

<https://www.co2-cato.org/news/events/ccs-conference-rotterdam/signup>

Projects from the second ACT call 2018

Project	Activities	Coordinator
AC2COM	Conduct pilot-scale experiments and analytical studies to advance key components of oxyfuel cement plants with the aim of reducing the time to market of the oxyfuel technology in the cement sector.	Universität Stuttgart
ACTOM	Advance offshore monitoring of stored CO ₂ by building a unique web-based toolkit designed to optimize monitoring programs for offshore geological storage sites.	University of Bergen
ANICA	Develop a novel indirectly heated carbonate looping (IHCaL) process for lowering the energy penalty and CO ₂ avoidance costs for CO ₂ capture from lime and cement plants.	Technische Universität Darmstadt
DIGIMON	Develop and demonstrate an affordable, flexible, and intelligent digital monitoring early-warning system, for monitoring any CO ₂ storage reservoir and subsurface barrier system receiving captured CO ₂ .	NORCE
FUNMIN	Optimise the process of CO ₂ mineralisation into Magnesite (MgCO ₃) by combining simulation and experimental techniques to identify the key factors for catalysing the formation of MgCO ₃ under mild, non-hazardous, and non-toxic conditions.	University of London
LAUNCH	Accelerate CO ₂ capture technologies by establishing a faster and more cost effective method to predict and control the degradation of next generation solvents.	TNO
MemCCSea	Develop hyper compact membrane systems for cost-effective and flexible operation of post-combustion CO ₂ capture in maritime applications such as on floating vessels used by the offshore oil and gas industry.	CPERI/CERTH
NEWEST-CCS	Accelerate the deployment of CCS in the European Waste to Energy (WtE) sector and develop guidelines for the selection of robust, fuel flexible technologies resistant to Municipal Solid Waste (MSW) impurities. The project will also assess the size of the WtE CCS market to create regional roadmaps.	University of Edinburgh
PRISMA	Integrate molecular science and process engineering to develop a technology platform that allows for customized carbon capture solutions to optimal separation for a range of different CO ₂ sources and CO ₂ use/destination options.	Heriot-Watt University
REX-CO2	Develop procedures and tools for evaluating the re-use potential of existing hydrocarbon wells for CO ₂ storage to help stakeholders make informed decisions on the potential of certain wells or fields for CO ₂ storage.	TNO
SENSE	Utilise new technologies and optimized data processing to develop reliable and cost-efficient monitoring programs based on ground movement detection combined with geomechanical modelling and inversion techniques.	Norwegian Geotechnical Institute
SUCCEED	Research and demonstrate at pilot scale the feasibility of utilising produced CO ₂ for re-injection in a geothermal field to maintain and enhance reservoir pressure and improve performance, while also storing the produced CO ₂ that would typically be vent to the atmosphere under standard geothermal operations.	Imperial College London

Ambitious Plans

With two successful Calls and projects underway, the ACT partners have established themselves as a new multilateral funding scheme for research and innovation dedicated to CCUS.

ACT is a fit-for-purpose, partner-driven, flexible, and an easy-to-join multi-national funding scheme that serves our ambition to make CCUS a commercially viable climate mitigation technology.

New ACT calls are open and details are available at the ACT web site: <http://www.act-ccs.eu/calls>

Funding agencies from new countries are welcome to join ACT!

The ACT Calls addresses the technological, environmental, social and economic challenges required to accelerate CCUS

Stay informed – make contact

Information on Calls and projects being funded are available at the ACT web site www.act-ccs.eu

Questions can be addressed to the ACT coordinator at the Research Council of Norway:

[Ragnhild Rønneberg \(rr@rcn.no\)](mailto:rr@rcn.no)