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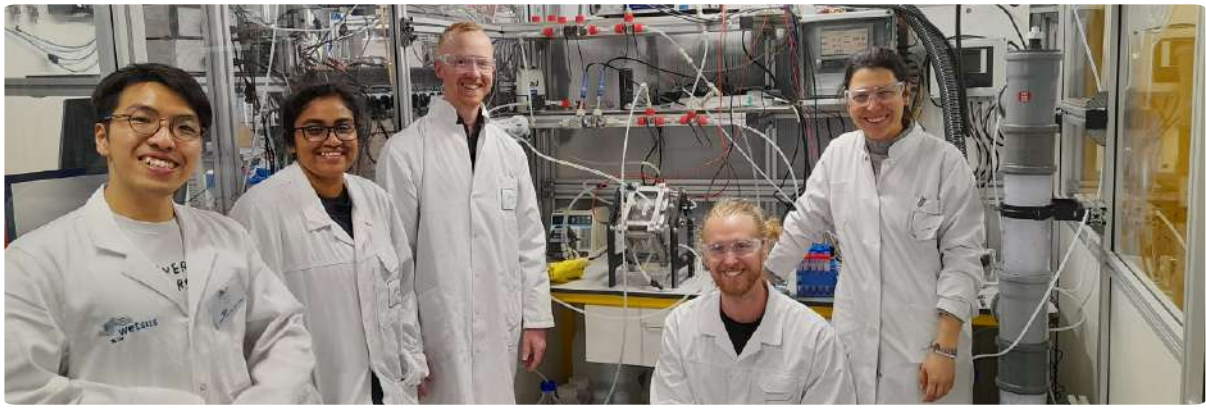
Milestones ConsenCUS

Hello ConsenCUS community!

While you enjoy the summer and perhaps are on holiday, I would like to share with you the new milestones of the ConsenCUS project. We have not been idle in recent months, which enabled us to put together a packed newsletter. Various deliverables were completed, partners were visited, we participated in the CCUS Expedition in Norway and we started a mini series of videos. With this series, we would like to introduce the ConsenCUS project to our supporters. The videos will be posted on social media, so feel free to share them with your connections. I had the honour of filming the first video, **[which you can watch here](#)**. It was a lot of fun to make the video. I am very curious to the upcoming videos made by other work package leaders and project members. For now, I wish you a nice summer and enjoy the newsletter!

On behalf of the ConsenCUS team

Dirk Koppert, Project Manager



Absorber installed in ConsenCUS mini pilot

On 23 and 24 May, ConsenCUS project members from DTU visited WETSUS. During the visit, upscaling electrochemical regeneration for CO₂ capture was discussed and an absorber, made by DTU, was installed in the ConsenCUS mini pilot. Watch the timelapse to see how Sara Vallejo and Isaac Appelquist Løge installed the absorber.



Timelapse: absorber installed in the ConsenCUS mini pilot.



Romanian refinery to host CO₂ capture demonstration plant

The OMV Petrom refinery is situated in the city of Ploiești near Bucharest and produces a wide range of petrochemical products.

CERE recently visited the OMV Petrom refinery in Romania to discuss where on the site to place an innovative CO₂ capture and utilization demonstration plant. The demonstration plant is built as part of the ConsenCUS Horizon 2020 project, and will be placed in Romania by mid 2024. The source of CO₂ will be a gas turbine plant which provides power and steam for the refinery.

“The OMV Petrom refinery is cutting edge within green and efficient technologies, and we’re looking forward to our collaboration.”

Picture: the CERRE team and local contacts in front of the refinery



CCUS Expedition in Norway

New Energy Coalition's Business School introduced their very first "Carbon, Capture, Utilisation and Storage Expedition" in Norway. A three-day programme in which Senior Expert Prof. Dr. Ir. Earl Goetheer discussed every facet of the CCUS value chain with the participants. On the last day we visited the Mongstad Technology Centre, which offers the world's most advanced and flexible test arena for CO2 capture technologies and brought insights in the scale and complexity of CO2 capture. This programme will be the basis for integrating ConsenCUS highlights as well.

[More info about the Expedition](#)



The partners behind ConsenCUS

In each newsletter, we will introduce a partner who is associated with this research project. This newsletter we introduce Heriot-Watt University.



Heriot-Watt University

Heriot-Watt University (HWU) is a specialist, pioneering university with a global presence delivering innovative research and highly employable graduates. The university has branches not only in the United Kingdom, but also in Dubai and Malaysia. HWU is using its global reach and innovation in teaching, research, and enterprise to make a significant impact towards the attainment of the UN Sustainable Development Goals (SDGs) while making commitments to become more sustainable as an institution and global community.

HWU is involved in ConsenCUS through its Research Centre for Carbon Solutions (RCCS). The RCCS is an internationally leading engineering centre, inspiring and delivering innovation for the wider deployment of technologies needed to achieve deep decarbonisation and meet net zero targets and beyond. RCCS has extensive, state-of-the-art, laboratory facilities covering the whole CCUS chain, including equipment for CO₂ capture, transport, storage, utilisation, and monitoring. RCCS has over 50 members (staff and PhD students) and is headed by Prof Mercedes Maroto-Valer, who is also the director of the Industrial Decarbonisation Innovation and Research Centre (IDRIC). The team's research portfolio has a total value of active projects of £20 million, including funding from EPSRC, EU H2020, EU-ERC, the Grantham Foundation and industries.

"It's great to be part of the ConsenCUS project" said Mijndert van der Spek, Associate Professor at HWU, "because it represents the next step in CCUS technology and systems development in Europe. Because the CO₂ capture and conversion technologies are electricity-based, they prepare CCUS for being able to be powered fully by renewables in future decarbonized societies". HWU plays a role in four work packages, and their work includes the modelling of the CO₂ capture process, the design of the full scale CCU technologies and their integration with the Petrobrazi refinery in Romania, including techno-economic analysis, and contributions to the CCUS network modelling and life cycle analysis. The HWU team currently consists of Mijndert van der Spek, Susana Garcia, Lukas Küng, Friday Ochedi and Lisa Lamborelle, and will soon be expanded with another postdoctoral researcher.



Deliverables

Are you interested in our results? [Click here](#) to download our first public deliverables.



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