

WEBINAR 7 SPEAKER BIOGRAPHIES



Peter van Os, TNO

Peter van Os is a Senior Project Manager at TNO, in the Netherlands, on various projects concerning gas treatment, with a focus on CO₂ capture. He has been involved in various internationally oriented EU projects, including CESAR, iCAP, OCTAVIUS and HiPerCap, as well as B2B and joint industry projects. Clients include national and international companies and SMEs. He has been working at TNO since 1985, first as a system engineer and since 2000 as a project manager. Peter is an IPMA and PRINCE II certified project manager.



Hanne Kvamsdal, SINTEF

Hanne Kvamsdal is a Senior Research Scientist at SINTEF in Trondheim, Norway. In ALIGN-CCUS, she is leader of Work Package 1 on CO₂ capture. Hanne obtained a PhD in Chemical Engineering at The Norwegian University of Science and Technology (NTNU) in 1995 focusing on gas separation using adsorption. She joined SINTEF in 1998 and since then has been mainly working with various technologies for CO₂ capture. In 2007, she joined a SINTEF research group focusing on absorption for CO₂ capture. She has been a Guest Researcher for many years – three times in USA and once in Italy – and has been part of many internationally oriented EU projects, including CESAR (WP leader), OCTAVIUS (WP leader), and HiPerCap (coordinator).



Juliana Monteiro, TNO

Juliana Monteiro has a PhD in Chemical Engineering and holds a position as Scientific Researcher at TNO in the field of gas treating, in particular CCUS. Since 2009 she has been involved in CCS projects, particularly in chemical absorption of CO₂. Her activities include solvent development and characterisation, modelling and simulation of CO₂ capture systems, designing of capture plants and economical assessment of processes. More recently, she has been involved in developing and evaluating CO₂ utilisation technologies through her involvement in the CEMCAP and CyclicCO₂R projects.



Georg Wiechers, RWE

Georg Wiechers studied mechanical engineering at RWTH Aachen University, specialising in power plant technology. He joined RWE's research and development department, Emission Reduction Technologies, in 1999 and was engaged in several projects on power plant technology optimisation. He was coordinator of the EU-funded project LIGPOWER (2003 – 2006). From 2008 until 2012 he was project manager of RWE's algae farm project at Niederaussem and is now project manager of the post-combustion capture pilot plant there. Georg is also active in several projects on CO₂ capture (EU: LAUNCH, SCARLET; for BMWi: LISA2, MemKor, GuD Poxy). In ALIGN-CCUS he is the task leader for WP1.2 on solvent management.



Thor Mejdell, SINTEF

Thor Mejdell is a Senior Research Scientist at SINTEF in Trondheim, Norway. He obtained a PhD in Chemical Engineering at The Norwegian University of Science and Technology (NTNU) in 1990. His PhD focused on estimation and control of distillation columns. He joined SINTEF in 1992 and has worked with reaction engineering, process modelling, estimation and control. Since 2004, he has mainly worked within CCS. He led SINTEF's activities in the EU projects CASTOR, CESAR and ULCOS. He was also involved in the Octavius and iCap projects. In the Norwegian project, SOLVit, he led piloting activities at Tiller. Since the establishment of the pilot plant in 2010 he has managed most of the project activities there. In ALIGN-CCUS, he is the task leader for WP1.3 on dynamics and control of CO₂ capture plants.



Susana Garcia, Heriot-Watt University

Susana García is Associate Professor in Chemical Engineering at the Institute of Mechanical, Process and Energy Engineering at Heriot-Watt University, which she joined in May 2014. She is currently the Associate Director in Carbon Capture and Storage at the Research Centre for Carbon Solutions (RCCS), an interdisciplinary engineering centre delivering innovation for the wider deployment of technologies needed to meet necessary carbon targets. She has broad expertise in synthesis, screening and assessment of solid sorbents for CO₂ capture; evaluation of sorbents dynamic behaviour in bench and semi-pilot scale reactors; and performance comparison against benchmark absorption-based post-combustion technologies. Her current research focuses on advancing materials and separation processes for energy, industrial and environmental applications.