



BASRECCS

BALTIC CARBON FORUM 2021

INTRODUCING SPEAKERS

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Timo Herberz, EC

“Timo works as policy officer at the Directorate-General for Climate Action of the European Commission. In the unit for land use and finance for innovation, his work focuses on the Innovation Fund and carbon removals. Timo graduated from the University of Cambridge with an MPhil in Engineering for Sustainable Development after his undergraduate studies in Environmental Science and Technology at Technische Universitaet Berlin.”



Dr. Sara Budinis, IEA

“Dr Budinis is an Energy Analyst at the International Energy Agency in Paris, where she focuses on the role of Carbon Capture, Utilisation and Storage (CCUS) in decarbonising the global energy system, from a techno-economic and policy perspective. Her work experience includes academic (Imperial College London) and industrial (Ansaldo Energia) research, and consultancy (for the IEAGHG and the World Bank). Within Imperial College London, she was responsible for the development of the industrial sector module of the integrated assessment model MUSE (ModUlar energy system Simulation Environment), and also led a white paper quantifying the role of CCS in the current and future utilisation of fossil fuels in constrained climate change scenarios. Sara was a Marie Curie Early Stage Research Fellow, member of the European project Energy SmartOps, where she developed control approaches for centrifugal gas compressors dealing with supercritical carbon dioxide for transportation and storage. Sara received her PhD degree from Imperial College London on process automation and control, her MSc in industrial engineering, MEng and BEng in Chemical Engineering from the University of Genoa and her Diploma in International Study in Engineering from University College London.”



Mats Fredriksson, Equinor

“Mats is Project Manager in Equinor, TDI, Future Business. Present project is in Carbon offsets value stream, BEECS – Nordic negative emissions. Mats has over 30 years of experience from the energy industry. Previous Mats has worked as President of Equinor China AS, Director in International Gas Union (IGU) and in other positions in Norway and England, including trading desk manager for Equinor Gas Trading in Europe, Trading Manager for Equinor’s Power and Emission trading unit and as Manager for Portfolio optimization and Commercial Coordination of Equinor European Gas supply. Equinor is an international energy company present in more than 30 countries around the world. Mr. Fredriksson is Swedish and lives in Oslo. Mr. Fredriksson holds a bachelor’s degree in economics.”



Jan Theulen, Director Alternative Resources, HeidelbergCement

Graduated as Mechanical Engineer, Jan started his career in the Chemical and Pharma Industry. He joined the cement industry in 1992 as project manager and moved into developing waste derived fuel programs starting in Europe, and expanding into Turkey, China, Indonesia and Morocco. In his current position, he is driving the companies engagement in Carbon Capture Utilization and Storage. Having successfully launched proven and innovative carbon capture demonstration projects, such as LEILAC and Oxyfuel, he developed further the business cases of various CO₂-Use and CO₂-Sequestration opportunities. Bridging the expectations and needs of society, politics and industry, he matures ideas into reality. By teaming up with innovative technology providers as well as long-standing-companies (like oil and gas), he is building a pragmatic path to realize carbon neutrality for HeidelbergCement.



Filip Johnsson, *Chalmers University of Technology*

“Filip is a Professor in Sustainable Energy Systems in Department of Space, Earth and Environment, Chalmers University of Technology. He received his doctoral degree in 1991 and was appointed Professor in 2001. Filip Johnsson’s research area comprises Energy systems analysis, different aspects of thermal conversion systems, including Carbon Capture and Storage (CCS) technologies. The research on energy systems analysis has an emphasis on the transition of the energy system to comply with climate targets, including how non-dispatchable electricity generation can be integrated in a cost-efficient way. The research on thermal conversion systems includes research on fluidized bed systems, with a focus on gas-solids mixing. Filip Johnsson has co-authored more than 250 papers in peer reviewed journals and conferences.”



Ian Havercroft, *Principal Consultant, Global CCS Institute*

“Ian is the Principal Consultant – Policy, Legal and Regulatory at the Global CCS Institute, and is based in Melbourne, Australia. Ian leads the Institute’s work programme and consultancy activities across the policy, legal and regulatory sectors. Ian was previously an academic at University College London’s Faculty of Laws, where he was a Senior Research Fellow and course tutor in environmental law. He co-founded and managed the UCL Carbon Capture Legal Programme between 2007 and 2010. Ian has published widely on the topic of CCS law and regulation and has co-edited two editions of the book ‘*Carbon Capture and Storage: Emerging Legal and Regulatory Issues*’. In addition to undertaking contracted research for governments and industry, he has also acted as an expert reviewer and adviser to several organisations on CCS policy and legislation, including the International Energy Agency and the IEA Greenhouse Gas R&D Programme. Ian holds undergraduate and postgraduate degrees in law and was called to the Bar of England and Wales in 2002. He is currently a member of the Advisory Board of Melbourne University’s Centre for Resources, Energy and Environmental Law (CREEL).”



Eve Tamme, *Climate Principles*

“Eve leads Climate Principles, a climate policy advisory. She works with private and public sector clients, providing strategic advice on European and international climate policy. Her expertise covers a broad range of policy tools and processes, including the Paris Agreement, the EU Emissions Trading System, international carbon markets, climate governance, carbon capture and storage, and carbon removal. In over 17 years working on climate policy, she has led the Climate Department in Estonian national administration, advised on climate policy in DG CLIMA in the European Commission, served as a diplomat at the Estonian Permanent Representation to the EU, and shaped international climate policy engagement at the Global CCS Institute. Eve holds a Master of Science in Environmental Engineering from TalTech University.”



Ingvild Ombudstvedt, *IOM Law*

“Ingvild is a lawyer and economist, and the owner and founder of IOM Law. She has been working on legal issues relating to petroleum, Carbon Capture and Storage (CCS), Carbon Capture and Utilization (CCU), and Carbon Capture Utilization and Storage (CCUS) for a decade. She has extensive experience related to development, assessment and dissemination of technical and regulatory framework globally for petroleum, CCS, CCU, CCUS, and negative emissions. Ombudstvedt is appointed national expert (since 2014) by the Norwegian Mirror Committee as part of the International

Organization of Standardization (ISO) project TC265, which was established to provide technical ISO standards for CCS and enhanced oil recovery (CO₂-EOR). Ombudstvedt is a tutor and examiner at the University of Bergen, Faculty of Law, Member of the Board in the Norwegian Association for CCS and has served as both Chairperson and Member of the Board for BASRECCS. She is also currently studying for an international Masters of Law in Environmental, Natural Resources, and Energy Law at Lewis & Clark Law School in Portland, Oregon (USA).”



Kári Helgason, Carbfix

“Kári is Head of Research & Innovation at Carbfix, a company dedicated to carbon mineral storage. He joined Carbfix upon the company’s establishment, where he works on further developing of the mineralization technology as well as the preparation of scale-up projects such as *The Coda Terminal* in Iceland. Kári is has a PhD in Astrophysics and, before joining Carbfix, he worked as a researcher at NASA Goddard Space Flight Center and Max Planck Institute for Astrophysics.”



Daniel Sopher, Geological Survey of Sweden (SGU)

“Daniel is a geophysicist at the Geological Survey of Sweden (SGU), the supervisory authority for the geological storage of carbon dioxide in Sweden. Before working at SGU Daniel completed a PhD and postdoc at Uppsala University in Sweden, with a focus on applying seismic methods to assess the CO₂ storage potential in the Baltic Sea. Prior to this Daniel worked in the oil and gas industry in the UK for a number of years after obtaining an MSc in Exploration Geophysics from the University of Leeds.”



Šliaupa, Nature Research Centre, Lithuania

“ Saulius is a professor at Nature Research Centre and Vilnius University. He is developing assessment of underground gas storage, characterization of geological media for deep geological disposal of radioactive wastes, seismic hazard assessment of nuclear facilities. He has been leading a number of large-scale European projects focused on studies of geothermal energy and potential geological storages of CO₂.”



Monika Ivandic, BASRECCS / Uppsala Universitet

“Monika, PhD, is a Researcher in Geophysics at Uppsala University with experience in geophysical monitoring of CO₂ storage sites and quantitative analysis of time-lapse seismic data to characterise CO₂ plumes. She has been involved in a number of large CCS projects such as CO₂MAN, CO₂CARE and COMPLETE. Currently, serving also as a Chairperson of BASRECCS, the network of Carbon Capture and Storage expertise in the Baltic Sea Region established to support the exploration and gradual implementation of CCS in the Baltic Sea Countries.”



Jannicke Gerner Bjerås, *Fortum Oslo Varme*

“Jannicke is Director CCS (Carbon Capture and Storage) in Fortum Oslo Varme, and head of the full-scale carbon capture project at Norway’s largest waste-to-energy plant since 2018. She has expertise in developing CO₂ capture and climate technology as well as sustainable energy production and energy recovery in accordance with both technical, political and commercial requirements. Extensive management experience as a.o Head of HR and Communication and Chief of Staff, and professional knowledge from more than 10 years in energy recovery, recycling and biological treatment of organic waste. She is a former Air Force officer with 4 years of training from the Royal Norwegian Air Force Academy and 10 years of service in different positions within airspace control and intelligence, communications and HR. She has completed studies in market economics and has a Master of Management from BI Norwegian Business School.”



Johan Byskov Svendsen, *INEOS Oil Gas Denmark*

“Johan is Business Development Manager for INEOS Oil & Gas Denmark, and is in charge of the climate initiatives for the company. The key areas of interest are storage of CO₂ and electrification. He holds a PhD in geology from University of Aarhus, Denmark. He has over the last two decades held a number of positions within exploration and production in the E&P business, as well as being asset manager for all of the INEOS Oil & Gas operated assets in the Danish North Sea.”



Dr. Alla Shogenova, *Department of Geology, Tallinn University of Technology*

“Dr. Shogenova is a senior researcher and a leader of the CO₂ and energy storage group at the Department of Geology, Tallinn University of Technology. She was a leader of Estonian research group in EU FP6-7 projects (EU GEOCAPACITY, CO₂NetEast, CGS Europe, CO₂Stop and ESTMAP) and CGS Baltic project supported by EUSBSR. Dr. Shogenova is teaching and supervising Master and Ph.D. students on CCUS. She was a visiting Professor on CCS at Faculty of Geology, University of Warsaw in 2013 and ENOS project Professor in 2020. In the ongoing Horizon 2020 projects she is a leader of CCUS work package in the CLEANKER project (cement industry) and managing Baltic States databases in the Hystories| Hydrogen Storage in European Subsurface. She is also participating in the ongoing Route CCS project, and in ERASMUS+ CIRCEXTIN project on circular economy in extractive industries. Dr. Shogenova is a member of the BASRECCS Board and represents Estonia in the ENERG and CO₂GeoNet networks and represents Estonia in EU COST Action Geothermal-DHC. She is also a co-founder of the ShogEnergy NGO.”



Luciana Miu, *Energy Policy Group*

“Luciana is a Senior Researcher at the Energy Policy Group, a Bucharest-based think tank specializing in energy and climate policy. She is currently leading EPG’s participation in CCS4CEE and ConsenCUS, two international projects aiming to advance the discussion on carbon capture and storage in Central and Eastern Europe. Luciana holds an MSc in Sustainable Energy Systems from the University of Edinburgh and a PhD in energy efficiency from Imperial College London.”



Jon Christopher Knudsen, *Aker Carbon Capture*

“Jon is Chief Commercial Officer (CCO) in Aker Carbon Capture. With nearly 20 years in the oil and energy sector, Knudsen has held several leadership positions in digitalization, customer experience, strategy and HR in the Aker Solutions group. Knudsen joined Aker Solutions after many years in the international consulting company Accenture, where he focused on technology solutions for business insights in oil and energy companies. He is a business economist graduating from the Norwegian School of Economics (NHH) in Norway and the College of William & Mary, Virginia (US).”



Hans Bolscher, *Trinomics*

“Hans (1960) is a Dutch economist and senior consultant in the field of climate, environment and energy transition. He is the former director Climate and Industry at the Ministry of Environment and former Director CCS at Economic Affairs at the Dutch government. Hans is deeply involved in economic and financial aspects of the energy transition with a focus on CCS and CCU pathways for industry. He is, among others, currently director for the CCUS Project Network, where all major CCS and CCU project meet and exchange ideas.”



Martin Rödén, *BluCarbon Solutions AB*

“Martin has been working with CCS technologies. Today Martin works with and overall CCS full chain costs and specifically buffer storage, transport and permanent storage costs for more than ten CO2 emitters in Northern Europe.”