

Committee biographies

Tim Bertels, Senior Partner, DAREL



Tim has 34 years of international (oil & gas) business experience, including 15 years on CO₂ emissions management and CO₂ Capture and Storage (CCS). Tim held several technical & leadership positions in Royal Dutch Shell companies across the world, covering Exploration & Production, technology RD&D, change management, Government relations, strategy & planning, CO₂ emissions management and global CCS implementation. Tim is passionate about tackling complex multi-stakeholder - societal and corporate - challenges with practical strategies, action plans, and delivery, driving change as required.

Since 2005 Tim worked full-time on CO₂ management in Shell, as CO₂ Business Development Manager, CCS Portfolio Manager, and head of Shell's Corporate CO₂ Implementation Team. Responsibilities included the implementation of CO₂ Emissions Management in Shell's Global Businesses, co-development of the Shell Group's CCS strategy, and managing the CCS activities program. In this capacity he represented Shell at the Global CCS Institute (GCCSI), the IEAGHG Executive Committee, the Zero Emission Platform (ZEP) Advisory & Executive Committee, and various other (inter-)national committees advancing CCS. In addition, he represented Shell at multiple international conferences and engaged regularly with government officials and policy makers across the world.

In December 2016 Tim concluded his 30+ years career with Shell to partner in "DAREL" (www.darel.nl). As senior partner, management and project consultant, he continued to support industry and (local) government in delivering the Energy Transition and CO₂ emissions reduction targets. In May 2017 Tim was asked to lead the Rotterdam CCUS Project "PORTHOS" (www.rotterdamccus.nl), he has been the PORTHOS Project Director until handover in July 2019. Tim is currently advising the expansion of CCS deployment in The Netherlands and neighbouring countries.

Tim holds an MSc degree in Mining Engineering/Geophysics from Delft University of Technology (1986) and completed the Shell Group Business Leadership Program at IMD Business School, Lausanne (2008). He has been married for 32 years and was given three sons. Hobbies and interests include European History, Opera, and tennis/squash

Nicolas Bouffin, Senior Reservoir Engineer, BP



Nicolas Bouffin is a Senior Reservoir Engineer with BP in London, where he is working on the bp-operated Net Zero Teesside Carbon Capture and Sequestration project. Nicolas has over 13 years of international reservoir and petroleum experience having worked for bp on a large variety of oil and gas fields throughout the life cycle (North Sea, North America Rockies, GoM Deepwater, Caspian, Iraq). His career interests include reservoir management, reservoir modelling and simulation, resources estimation, subsurface risk management, and carbon capture & storage. He holds B.Sc. and M.Sc. degrees in geological engineering from INPL-ENSG in France. He also holds a M.Sc. degree in petroleum engineering from Texas A&M University (College Station).

Anne Brisset, R&D project on geological storage of CO₂, Total



A. Brisset is in charge of the R&D project on geological storage of CO₂ at TOTAL since 2017. Her research interests are varied and the latest ones include reservoir modeling, microfluidics and thermodynamics, electromagnetic heating, various fiber optic control techniques, etc. A. Brisset has authored and/or co-authored of more than 20 technical papers. A. Brisset holds a postgraduate degree in hydrogeology from the University of Grenoble, France. She has a dual background in carbonate sedimentology and water resources engineering. She has been with Total for more than 20 years where she has held various positions in different disciplines, half in France and half internationally.

Emer Caslin, Geoscientist, Schlumberger



Emer Caslin has worked as a Geoscientist with Schlumberger since 2004. Her speciality is Reservoir Characterisation from geophysical interpretation through to structural model build, property population, uncertainty analysis & reservoir simulation. She has held roles in technical consulting, business development and Petrel & DELFI Portfolio Management; ranging from daily technical operation support to advising on corporate-level geoscience strategy.

Emer has a keen interest in understanding how geoscientists can help shape and influence sustainability in our evolving energy sector and has recently taken leave of absence from Schlumberger to focus on areas such as solutions for the energy transition & decarbonisation, risk and social acceptance of the extractive industry & achievement of the SDGs – collaborating within and outside the industry, with academia & professional societies. She is on the Sustainability Task Force for SEG20.

She graduated with a BSc in Geology from Queens University Belfast, an MSc in Petroleum Geochemistry from the University of Newcastle and an MSc in Reservoir Geoscience and Engineering from the IFP School in Paris.

Emer lives in Belfast with her husband & 3 lively children aged 7, 5 & 1.

Syrie Crouch, VP CCS, Shell



Syrie studied geology at Exeter University and Mineral Exploration at Imperial College London, which thanks to a Rio Tinto Zinc scholarship allowed her to do her research in their

gold mines in Brazil. In the late 80's the gold price was down so she revised her original career path of gold miner and joined Shell in 1990.

In the 30 years since joining shell she has moved from working on the wellsite through various team contributors role, integrated reservoir modelling, Front End Development Manager (FEDM) roles for both hydrocarbon and CCS projects and finally VP development roles.

Experience highlights:

Syrie has a functional background as a geoscientist in Shell, in both development and exploration, with detailed knowledge of integrated reservoir modelling and overall subsurface evaluation.

She then became an Integrative leader, with experience in Front End project management, field development planning, and portfolio management including commercial aspects, and has been in leadership positions in the last 10+ years. Syrie also has worked energy transition projects having been the FEDM for Shells first CCS project and is able to define alternative workflows for unusual projects.

As a VP in Shell she now manages a portfolio of projects with the attendant requirements for planning and practical prioritization. Syrie has experience building relationships and communicating at Government level, and focuses on understanding risk, value and quality decision making to achieve business goals, both internal and externally.

Mike Gunningham, Chief Production Technologist, SGS Subsurface Consultancy



Mike is currently the Chief Production Technologist with SGS Subsurface Consultancy, with over 30 years' experience around the world in oil and gas fields, both greenfield developments to brownfield production optimisation, re-development and well, reservoir and facility management (WRFM). He was the Head of Subsurface Support Team in Maersk Oil in Qatar (MOQ), and also the Well, Reservoir & Facility Management Team Lead in MOQ, rolling out and embedding WRFM in the Al Shaheen oilfield. Mike graduated from Bradford University with a Chemical Engineering degree before completing his MSc in Petroleum Engineering at Imperial College.

Before joining Maersk Oil Qatar in 2011, he has worked for Shell for 26 years, based mainly in Holland, while working all over the world on numerous projects (Bonga, Nigeria NLG, Brunei, Malaysia, Oman, GOM, Canada, Brazil, New Zealand, and half of the North Sea).

SPE Virtual Workshop: Decarbonising the Economy - The Future of Carbon Storage
9-11 Feb 2021 | Online

Mike has been a Production Technologist for most of his career working in Sand Control Completions Research & Development, developing the Ameland Gas Field, Course Director at the Shell Learning Centre, Produce the Limit Consultant and was Sakhalin Energy's Production Technology Discipline Head. Mike has been an active member of the SPE for 30 years, as Board Chair and Programme Chair for the SPE Qatar Section, Sakhalin and the SPE Netherlands. He has also been IPTC SPE Sub-Committee Co-Chair for the last two Doha based IPTC conferences. In 2009-10, he was a SPE Distinguished Lecturer. He is currently the Programme Chair for SPE Netherlands and represents the SPE on the Board of Directors for The International Petroleum Technology Conference.

Joanna Henderson, Manager & Founder, Blue Dot



Joanna Henderson created Blue Dot after 15 years of experience contributing to the strategic and technical challenges of the energy and environmental transition.

Having obtained a degree in Aerospace Engineering, Joanna joined BP where she worked in refinery and petrochemical operations before becoming a member of the alternative energy team as project engineer for micro-wind and hydrogen mobility. Joanna subsequently spent time with Médecins Sans Frontières in DRC and Burundi prior joining ENEA Consulting as Director of Development specialising in energy transition and social and environmental impact evaluation. Joanna works with private and public sector actors as well environmental and energy access NGO's. She has extensive experience of working within and managing multidisciplinary and multi cultural teams and has carried out projects in Europe, the Middle East, Africa and Latin America.

Joanna is a graduate of CHEDD 'Collège des Hautes Etudes du Développement Durable' and is a Circulab Circular Economy certified consultant. As Director of Blue Dot she combines her operational experience of industry with fun and pragmatic methods of co-creation and co-construction to identify and develop initiatives with positive economic, environmental and social performance.

Joanna is based in the foothills of the Pyrenees in the southwest of France.

Joanna Mainguy, Energy Industry Solutions Manager, Microsoft



Joanna is Energy Industry Solution Manager for EMEA at Microsoft. Joanna has over 15 years of industry experience in Process Industries and Oil & Gas in particular, including work as Business Development and Sales Representative for major System Integrators and Software companies. She has working experience in the entire Oil & Gas value chain, from exploration, through refining and chemicals to marketing and distribution.

Joanna holds a Master's of Science in Drilling, Oil & Gas Department, from AGH University of Science and Technology, Cracow, and a Master of Arts in Economics, American Studies Center, from University of Warsaw. She has recently accomplished Energy Transition and New Energies trainings from IFP and Grenoble School of Management.

Peter McFadzean, Subsurface Lead, Equinor



Peter McFadzean is currently the subsurface lead for Equinor's CCS activities in the UK, and sits on the license management committee for UK Carbon Storage license 001.

Graduating from the University of Edinburgh Dept. of Geology and Geophysics in 1997, Peter went on to complete a PhD from the same institution in 2002. A 20 year professional association with Equinor has been largely spent as a geophysicist, working with producing fields and field development projects on the Norwegian and UK continental shelves.

Peter is a keen hill-runner and plays in a Scottish folk music band.

Filip Neele, Senior scientist CCS, TNO



Filip has 16 years of experience in R&D related to CO₂ transport and storage, in TNO. Filip holds a PhD in seismology from Utrecht University. He held an assistant professorship at Utrecht University from 1993 to 1996, before joining the electro-optics group at TNO in The Hague. In 2006 moved to the Applied Geosciences group at TNO in Utrecht. Since then, Filip has completed a large number of R&D projects in CCS, ranging from screening studies for storage capacity in The Netherlands, to ship transport of CO₂, the relation between CO₂ stream composition and transport and storage network design, and potential offshore CO₂ network development. He has led several EU-funded international projects, on transport network evolution and corrective measures for CO₂ storage.

Filip currently coordinates R&D work done at TNO in the areas of CO₂ capture, utilisation and storage, and leads the CO₂ transport and storage team. With his team, he is developing the tools and workflows for monitoring and conformance assessment during the operational phase of CO₂ storage. Filip takes part in an advisory group to the Ministry of Economic Affairs, is member of Zero Emission Platform (ZEP) Advisory Committee and co-chairs the ZEP Network Technology.

Filip is married, with one daughter and two sons, all in university. Hobbies and interests include history and cycling.

David Névicato, CO₂/CCUS Research Program Manager, TOTAL Corporate Research & Development



David is CO₂/CCUS research program manager in the TOTAL Corporate Research & Development since 2016. He received his Chemical Engineering PhD in 1996 at the Claude

SPE Virtual Workshop: Decarbonising the Economy - The Future of Carbon Storage
9-11 Feb 2021 | Online

Bernard University- Lyon 1- and his engineer graduate in 1991 From École Nationale Supérieure des Industries Chimiques (ENSIC) – Nancy-. He is an experienced professional in refining industry with over 20 years in research, project, operation and human resources. David currently manages Total's R&D in the areas of capture, storage, utilisation and transport with 10% allocation of R&D budget to make carbon reduction technologies more energy-efficient. CCUS R&S teams are spread over 9 centers in the different Total activities. <https://www.total.com/commitment/climate-change/carbon-neutrality>

David is an active member of the Club CO2 association (France) and an IHEST (Institut des hautes études pour la science et la technologie) auditor on societal stakes, science et decision making in 2019.

David is married with two grown children on their own, loves wine tasting and running.

Femke Perlot-Hoogeveen, Global Account Manager, Deloitte



Femke joined Deloitte as Global Account Manager for Shell in November 2018. A political scientist by training, Femke brings over fifteen years of experience in policy advice, research, concept development and business development in oil & gas, (renewable) energy and CCUS. Before Deloitte, Femke worked as Researcher and Training Advisor with the Clingendael International Energy Programme, as Senior Policy Advisor for Energy Security with the Dutch Ministry of Foreign Affairs and as Conference Manager for the offshore industry with international media company Navigo.

Femke is an active member of the Society of Petroleum Engineers (SPE). She was the Sponsorship Chair of SPE Netherlands from 2014 to 2018 and subsequently took on the role of SPE Netherlands Section Chair.

Femke is married and has three children – a son aged 9 and two daughters aged 7 and 4.

Joelle Rekers, Dutch Ministry of Economic Affairs

At the Dutch Ministry of Economic Affairs and Climate Policy, Joelle Rekers is heading a multi-disciplinary team on CCS, working on the development and implementation of CCS policies and projects in the Netherlands. As an Environmental Economist by training, Joelle has been working for 15 years on climate and energy policies at different government levels, both in the Netherlands as abroad, and has been involved in CCS since 2016.

Stijn Santen, Senior Business Advisor CCUS, EBN



Stijn joined EBN as senior business advisor CCUS in September 2019 for the Athos CCUS project and as CCUS policy advisor for the Dutch government. A chemical engineer by training, Stijn brings over 30 years of experience in research, technology- and business development, and out of the box solutions in the area of energy and industry including CCUS.

Before EBN, Stijn worked for 18 years in Shell and both initiated and developed the first two large CCU projects in The Netherlands. Subsequently, he worked as independent energy strategy advisor for industrial companies, governments and EU projects. Stijn is an active member of SPE and participated before in a SPE steering committee on CCS. He is also a member of the Advisory Council of ZEP; the European Zero Emission Platform. Besides these roles he is board member at KIVI-TME; the Royal Dutch Organisation of Engineers. Stijn is married and has two children – two daughters aged 17 and 19.

Al Tucker – General Manager CCUS, Royal Dutch Shell



Al has 25 years of Oil and gas experience. He holds a degrees in Geology and a Masters in Petroleum Geology. His career started as a Petroleum Engineer working in the North Sea. Al has held various technical and managerial roles across Shell globally and most recently in the UK as Manager for the Penguins Project and the Brent field.

Currently Al is GM CCUS in Shell, with responsibility to develop and mature Shell's CCUS portfolio globally through leading engagements with external customers and partners.

Denis Voskov, Associate Professor, Stanford University



Dr. Denis Voskov is an Associate Professor at the Department of Geoscience and Engineering, TU Delft, and Adjunct Professor at the Department of Energy Resources Engineering, Stanford University. He is leading a research group on the development of advanced simulation capability for energy production and storage processes related to deep subsurface. Denis is a co-author of more than 40 peer-reviewed publications and many conference papers on this topic. Before joining TU Delft, Denis was a Senior Researcher at the Department of Energy Resources Engineering, Stanford University. His previous positions include Chief Technology Officer of Rock Flow Dynamics Company, Chief Engineer at YUKOS EP company, and a leading specialist at the Institute for Problems in Mechanics, Russian Academy of Sciences. He holds a Ph.D. degree in applied mathematics from Gubkin's Russian State University of Oil and Gas. Dr. Voskov is an Associate Editor of the Society of Petroleum Engineers Journal.

Dr Mark D. Zoback, Professor of Geophysics, Stanford University & SPE Technical Committee



Dr. Mark D. Zoback is the Benjamin M. Page Professor of Geophysics at Stanford University, Director of the Stanford Natural Gas Initiative and Co-Director of the Stanford Center for Induced and Triggered Seismicity and the Stanford Center for Carbon Storage. Dr. Zoback conducts research on in situ stress, fault mechanics, and reservoir geomechanics with an emphasis on shale gas, tight gas and tight oil production as well as CO₂ sequestration. He is the author of two textbooks and the author/co-author of approximately 400 technical

SPE Virtual Workshop: Decarbonising the Economy - The Future of Carbon Storage
9-11 Feb 2021 | Online

papers. Dr. Zoback has received a number of awards and honors including election to the U.S. National Academy of Engineering in 2011 and the Robert R. Berg Outstanding Research Award of the AAPG in 2015. He was the 2020 chair of the Society of Petroleum Engineers Technical Committee on Carbon Capture, Utilization and Storage.