



GLOBAL METHANE INITIATIVE (GMI)
Coal Mines Subcommittee Virtual Meeting
4 March 2021

SPEAKER BIOGRAPHIES

Volha Roshchanka

U.S. Environmental Protection Agency (United States)

Volha Roshchanka is the Director of the Coalbed Methane Outreach Program (CMOP) at the U.S. Environmental Protection Agency (EPA) and the Co-Chair of the Coal Mines Subcommittee for the Global Methane Initiative (GMI). In these roles, she works to support reductions of methane emissions from the coal industry. Prior to joining the U.S. EPA, Volha was a Researcher at the Joint Global Change Research Institute at the Pacific Northwest National Laboratory in collaboration with the University of Maryland. During that time, her research focused on coal mine methane (CMM) policies, energy policy, energy efficiency, and building energy codes among other topics. Volha also worked as a Program Coordinator on forest issues at the World Resources Institute (WRI) in Washington, D.C. She graduated from the University of Maryland with a dual degree – M.S. in Conservation Biology and an M.P.P. in Environmental Policy.

C. Özgen Karacan

U.S. Geological Survey (United States)

Dr. C. Özgen Karacan is a Research Petroleum Engineer with the United States Geological Survey's (USGS) Geology, Energy and Minerals Science Center in the United States. Ozgen works on geologic and engineering assessment of greenhouse gas (GHG) management through CO₂-EOR and of CMM and AMM resources. Before joining the USGS in 2017, he spent 14 years at the National Institute for Occupational Safety and Health's (NIOSH) Pittsburgh Mining Research Division. He has been the Editor-in-Chief of the *International Journal of Coal Geology* since 2009 and the Editor-in-Chief of *Results in Geophysical Sciences* since May 2020. He has authored and co-authored more than 120 scientific publications in journals and conference proceedings on such topics as CO₂-EOR, CO₂ sequestration, reservoir engineering of petroleum systems, methane control in coal mines, and coal mine and abandoned mine methane resources. He is a member of the UNECE Group of Experts on CMM and a U.S. delegate on GMI's Coal Mines Subcommittee.

David Creedy

Sindicatum Sustainable Resources (United Kingdom)

Dr. David Creedy has more than 45 years of experience in coal mining, institutional and energy projects. He led a research group at the National Coal Board's (NCB) Mining Research and Development Establishment before moving to Wardell Armstrong, an engineering consultancy. Now with Sindicatum Sustainable Resources, he is the Chairman of its mining and energy services business in China. He served as an international expert in the EU-China project on occupational safety and health (OSH) in high risk sectors. He is a Vice-Chair of the UNECE Group of Experts on CMM and a visiting Professor at the Taiyuan University of Technology, Shanxi Province.

Stefan Möllerherm

Research Center of Post-Mining (Germany)

Dr. Stefan Möllerherm is a Scientist and Lecturer at the Research Center for Post-Mining (FZN) at the Technische Hochschule Georg Agricola University (THGA) in Bochum, Germany. The Research Center of Post-Mining is developing long-term, sustainable solutions for closed mines and monitoring methods for the former deposits, the water balance and the land. For many years, Stefan's research activities have focused on methane abatement technologies and the influence of mine water rebound processes on methane degassing in former coal mines. He holds a diploma degree and a PhD from RWTH Aachen University.

Clark Talkington

Advanced Resources International (United States)

As a Vice President at Advanced Resources International (ARI), Clark's work focuses on three areas: GHG mitigation in the coal and oil and gas sectors, carbon capture and storage, and smart grid/smart cities development. Prior to joining ARI in 2012, Clark was a Senior Vice President at Sindicatum Sustainable Resources, where he was responsible for originating, financing and developing ventilation air methane and CMM in the United States and China. He also worked on climate and energy-related issues at the U.S. EPA and at the UNECE's Sustainable Energy Division. He has chaired the GMI Coal Mines Subcommittee and the UNECE's Group of Experts on CMM, and currently serves on the Bureau of the Group of Experts. Clark received his Master of Public Affairs from the University of Texas.

Nazar Kholod

Pacific Northwest National Laboratory (United States)

Dr. Nazar Kholod is a scientist at the Pacific Northwest National Laboratory. His research interests include emissions of short-lived climate forcers, energy policy, energy efficiency, and integrated assessment modeling. His work covers both global assessments as well as country-specific research in India, Ukraine, Russia and Kazakhstan. His current research is focused on the role of methane and black carbon in global anthropogenic emissions.