

# Global Carbon Market and CCS - Towards ASEAN Decarbonization

METI-JOGMEC-IETA Joint Workshop

## 登壇者プロフィール / Speaker biography

### 高梨真澄 / Masumi Takanashi

独立行政法人 エネルギー・金属鉱物資源機構

CCS・水素事業部総括・国際連携課 担当調査役/

Project Director, Global Coordination Division, Hydrogen and  
CCS Project Department

JOGMEC



■ Ms. Masumi Takanashi has served as the Project Director of the Global Coordination Division of Hydrogen and CCS Project Department, Energy Business Unit of JOGMEC which has newly established department in November after JOGMEC's law amendment. She is supporting the early-stage studies of the hydrogen/ammonia and CCS projects which Japanese companies participate in global. She is a co-author of the JOGMEC CCS and GHG-Carbon Intensity guidelines, and responsible for research on business environment, laws and regulations, international trend on incentive measures related to CCS and hydrogen/ammonia projects, carbon pricing and market, clean hydrogen certification schemes etc. She has a legal background, master's degree in the Sturm College of Law, the Denver University in the US, with the specialization of international environment and social policies focusing on the community engagement of natural resource projects.

### 早田豪 / Takeshi Soda

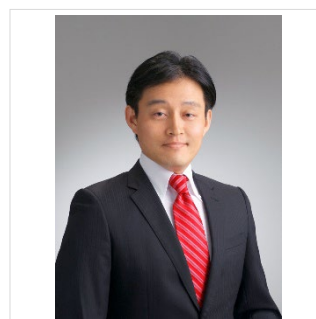
経済産業省資源エネルギー庁

資源・燃料部 石油・天然ガス課長/

Director, Oil & Gas Division,

Agency for Natural Resources and Energy (ANRE)

Ministry of Economy, Trade and Industry (METI)



■ Mr. Soda has served as Director, Oil and Gas Division since December 2019. He has long and rich experience of energy and climate change policy. Most recently, he served as Director,

International Affairs Division since July 2019. Prior to that, he transferred to the U.S. and served as the Special Adviser to METI and Director of JETRO New York between 2016 and 2019. As a senior liaison between METI and the US government, he devoted himself to create Japan-US Strategic Energy Partnership (JUSEP), agreed between two top leaders of both countries in November 2017. As of now, JUSEP is the core of Japan-US economic cooperation and of Indo-Pacific strategy of both countries.

Before transferring to the U.S., Mr. Soda, serving as Executive Secretary to the Special Advisor of the Cabinet Office Minister in charge of overcoming population decline and revitalizing local economy, led the policy-making process and coordinated the government-wide activities related to revitalizing local economy between 2014 and 2016.

Mr. Soda joined METI in 1997. He spent almost his years in the field of energy, international economy, and financial affairs. He served to plan energy policy of Japan by deciding and allocating all energy budgets of METI for two years, which made him an expert of energy policy.

He also oversaw the long-term strategy of international trade policy for four years, contributing to form Nippon Export and Investment Insurance (NEXI), Export Credit Agency of Japan, in 2001.

Mr. Soda received an MBA in 2004 from the Goizueta Business School of Emory University in Atlanta, GA, USA. He obtained a BA in philosophy from the University of Tokyo in 1997.

## 山本晃司 / Koji Yamamoto

独立行政法人 エネルギー・金属鉱物資源機構

エネルギー事業本部 副本部長/

Vice President, Energy Business Unit

JOGMEC



■Dr. Koji Yamamoto is the Vice President of Japan Organization for Metals and Energy Security (JOGMEC), in charge of Technologies of Upstream Oil and Gas Unit.

Dr. Yamamoto received Ph.D degree at Tohoku University in 2004. Dr. Yamamoto's specialty is reservoir geomechanics and he had worked for many geomechanics related petroleum field problems, such as borehole stability, hydraulic fracturing, reservoir deformation problems, and unconventional energies such as gas hydrate in many countries including South East Asia, Middle East and domestic Japan.

CCS is one of his interest. He has contributed several CCS related geomechanics studies such

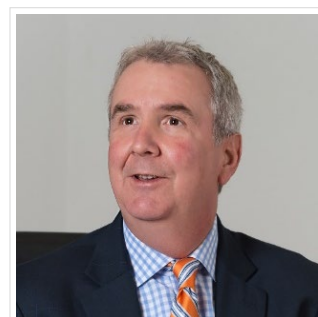
as fault reactivation, natural analogue studies etc.. He also teaches the topics in Kyoto and Kyushu Universities.

## Dirk Forrister

国際排出量取引協会 (IETA) CEO/

CEO

International Emissions Trading Association



■Dirk Forrister is President and CEO of the International Emissions Trading Association (IETA), a non-profit business association dedicated to market-based climate policies. With over 200 member companies, IETA is respected globally as a thought leader on strategies to harness the power of markets to deliver climate protection.

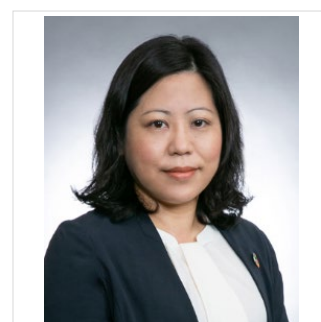
Dirk brings a long history of public and private sector engagement in energy and environmental policy. He spent a decade as Managing Director at Natsource LLC, the manager of carbon funds valued at \$1.2 billion. Earlier in his career, Mr. Forrister served as Chairman of the White House Climate Change Task Force in the Clinton Administration, and Assistant U.S. Secretary of Energy for Congressional and Public Affairs. His environmental markets career began when he advised Congressman Jim Cooper, a leader in crafting the US acid rain trading legislation in 1990.

## 新地菊子 / Kikuko Shinchi

株式会社三菱総合研究所 主席研究員/

Research Director

Mitsubishi Research Institute, Inc. (MRI)



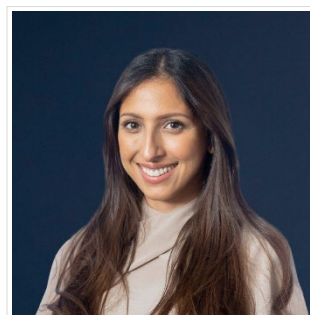
■Kikuko has 15 years of experience working on carbon credit generation through multilateral (CDM) and bilateral (JCM) schemes, climate finance and supporting low-carbon and adaptation business development globally. She has supported CCUS project development in ASEAN countries through engaging in policy dialogue with government officials and

exploring carbon market opportunities. She has also supported private companies in developing strategies for CCUS deployment. Before joining Mitsubishi Research Institute in 2020, she worked as a senior consultant in Environmental Strategy Division of Mitsubishi UFJ Morgan Stanley Securities.

B.A. in Anthropology with specialization in Urban Studies, University of California, Los Angeles

## Noora Al Amer

Senior International Climate Change Policy Advisor  
Global CCS Institute (GCCSI)



■ Noora is the Institute's Senior International Climate Change Policy Adviser, based in London. She brings with her a spectrum of experience having worked closely with governments, businesses, NGOs and multilaterals worldwide.

Noora has served as one of the Government of the Kingdom of Bahrain's lead negotiators at the United Nations Framework Convention on Climate Change (UNFCCC), where she has coordinated for the Group of 77 & China and has worked with the Intergovernmental Panel on Climate Change (IPCC), the Green Climate Fund (GCF), the Adaptation Fund and the Small Island Development States (SIDS). Working bilaterally, she has been a regional and country liaison for various key strategic partnerships.

Noora has also held positions in the Climate Change and Sustainability Services department at Ernst & Young Middle East Head Office and in the Climate and Energy department at Greenpeace EU Unit.

She holds an undergraduate degree in Ecological Science (Conservation and Ecological Management) from the University of Edinburgh and a Masters degree in Managing Environmental Change from the University of St. Andrews.

## 塩見謙介 / Kensuke Shiomi

経済産業省 産業技術環境局 環境政策課 地球環境対策室  
係長/

Chief, Global Environmental Affairs Office,  
Environmental Policy Division, Industrial Science and  
Technology Policy and Environment Bureau METI



■After earned Ph.D. in civil engineering field, Kensuke SHIOMI has been engaging in the climate change field in METI, particularly focusing on promoting international efforts including through the use of carbon markets and cleaner energy. He is currently in charge of the Joint Crediting Mechanism (JCM), and the Cleaner Energy Future Initiative for ASEAN (CEFIA) which is the public-private partnership between ASEAN and Japan. He is also supporting CCS projects on JCM, including the development of necessary rules and guidelines for the implementation of CCS projects in JCM scheme.

## 西岡さくら / Sakura Nishioka

独立行政法人 エネルギー・金属鉱物資源機構 (JOGMEC)  
CCS・水素事業部総括・国際連携課 課長代理/  
Project Director, Global Coordination Division, Hydrogen and  
CCS Project Department  
JOGMEC



■Dr. Sakura Nishioka has served as the Deputy Director of the Global Coordination Division at JOGMEC's Hydrogen and CCS Project Department since its establishment in 2020. In this position, she plans and executes JOGMEC's strategy accounting for CCS promotion and deployment along with the analysis of global CCS trends and relevant macro conditions including regulations, carbon market, and climate policy. She is also a co-author of the JOGMEC CCS guideline (published March 2022). In addition, she is in charge of global coordination with various related parties and initiatives.

She is also in charge of promoting diversity and inclusion at JOGMEC.

Sakura received her Ph.D. in Sustainable Development from Ochanomizu University, where she focused on social development in developing countries based on the morphogenetic approach.

## Matthias Krey

Managing Director  
Perspectives Climate Group



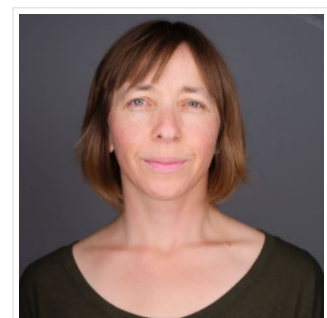
■ Matthias Krey is Managing Director at Perspectives Climate Group and responsible for sustainable business development and sales activities for both the public and private sectors. He holds a Master's degree in industrial engineering and management and works on climate policy since 2001. Matthias became CEO of Perspectives in 2008, one of the leading advisory firms in International climate policy and carbon markets.

During his time at Perspectives, he has managed foundations of new companies, M&As, and MBOs. From 2013 - 2017 he worked part-time as a freelance consultant for small businesses and start-ups with a focus on sustainable technologies. Throughout his career, Matthias has gained considerable practical knowledge on financing sustainable technology business models and policy frameworks as enablers for those models. He has vast experience as a project manager and director in the field of carbon crediting, GHG inventory/accounting, and climate target setting as well as a large network in the climate business.

Since 2021, Matthias is Secretary-General of the CCS+ Initiative of which Perspectives is a founding partner. Its objectives is to unlock and scale-up CCS-related climate action in carbon markets and to develop methodologies for carbon credit generation and associated compliance tools.

## Maris Densmore

Director of Industrial Solutions  
American Carbon Registry (ACR)

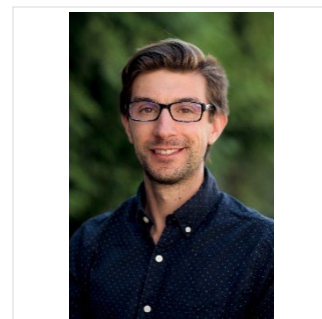


■ Maris Densmore, ACR Director of Industrial Solutions, is responsible for overseeing the investigation, analysis, and implementation of new strategic opportunities to harness the power of markets for high impact emission reduction and removals actions in the energy and industrial sectors including geologic storage of carbon, methane emission abatement, and

long-term storage of carbon via other industrial processes. Prior to joining ACR, Maris spent almost 20 years in the environmental and oil and gas sectors and was responsible for developing technical and policy solutions to key industry issues. She specializes in building strategies for challenging technical issues within complicated political and policy environments such as climate change and carbon mitigation, water use and protection, sustainability, and community engagement. Throughout her career, Maris has been active in community outreach, education, and engagement. Maris is a licensed geologist and has extensive field experience in both environmental and oil and gas operations. Maris has a BS in Earth Science from UC Santa Cruz and a MS in Geology from UC Davis.

## Gerald Ouellette

Manager, Energy Innovation  
VERRA



■ Mr. Gerald Ouellette currently serves as the Manager of Energy Innovation at Verra where he leads the global portfolio of projects related to emissions reductions and removals for the energy sector. He leads initiatives related to the abandonment of oil & gas wells, carbon capture and storage (CCS), accelerating the hydrogen economy, sustainable resource development, and the energy transition. This work involves the development of emissions quantification methodologies for crediting reductions and removals under the Verified Carbon Standard (VCS), program updates to support new initiatives, and the management of staff and projects while collaborating with stakeholders globally.

Before joining Verra, Gerald worked in the environmental and oil & gas industries for public and private entities and in consulting. Most notably he spent nearly a decade with the Government of Alberta as the Manager of Carbon Capture and Storage Policy and as a Geologist for the Department of Energy. There, he led a team developing regulations and policies for CCS to advance in the province with the establishment of project application requirements, environmental monitoring, measurement and verification requirements (MMV), and long-term liability planning. This involved the management of Alberta's \$1.24 billion funded CCS projects (Shell Quest and the Alberta Carbon Trunk Line). Further, Gerald led the technical/policy evaluation in the province to initiate the development of CCUS hubs. As a Geologist with the Government of Alberta, he reviewed all resource

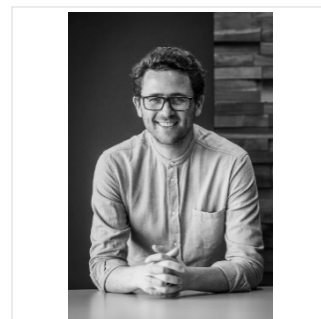
development across the Western Canadian Sedimentary Basin in Alberta including horizontal drilling targets like the Montney and Duvernay to determine whether companies would continue their mineral rights agreements. He was a project team lead of 20 staff reviewing over 10,000 applications for provincial funding to abandon oil & gas wells. Gerald is experienced in leading staff and projects globally in support of sustainable resource development, emissions reductions and removals, and the energy transition.

Gerald is a Professional Geoscientist with a Masters in Earth and Energy Resource Leadership (MEERL) strengthening his skillsets in leadership, finance, business strategy, ESG/sustainability, and stakeholder engagement.

## Christiaan Gevers Deynoot

Deputy Secretary General

CCS+ initiative

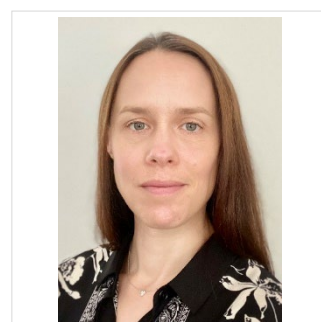


■ Christiaan has over 10 years experience working on climate issues. He currently works as the Senior Manager for Carbon Removal Platforms at South Pole. In this role, he serves as the Deputy Secretary General of the CCS+ Initiative and delivers high-quality consultancy mandates related to engineered carbon dioxide removal methods and conventional carbon capture and storage. Christiaan has a public affairs background in EU energy and climate policy and industrial decarbonization issues in the Benelux region.

## Elise Roc

Senior Business Development Advisor

Northern Lights JV



■ Elise started her career 18 years ago in the Energy engineering and construction field, in complex environment where building efficient partnership with local stakeholders is a necessity to run sustainable operations.



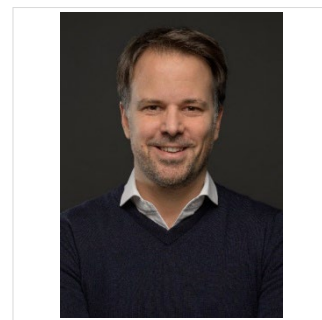
She has developed projects and supported business growth for numerous type of energy production facilities across Europe, Asia Pacific and Africa.

In 2016, she joined the low-carbon business segment of TotalEnergies, embracing challenges of creating safe, cost efficient and climate neutral business. She actively looked for new venture investments in energy efficiency, bioenergy and natural based solution to grow a genuine, sustainable and profitable future.

In 2020, she joined the Northern Lights joint venture, the world first cross-border open-source CO2 transport and storage service company. As senior business development advisor, she creates innovative solutions to support carbon reduction and removal projects. She co-founded the CCS+ Initiative, which aims to leverage carbon markets financial incentives to scale up CCS technologies.

## Patrick Bürgi

Co-Founder / Managing Director Japan  
South Pole



■ Patrick Bürgi is a sustainability entrepreneur and expert with twenty years of experience in carbon markets, climate policy, corporate sustainability and impact investing. He is a co-founder of both the myclimate Foundation in 2002 and South Pole in 2006.

In mid-2022, Patrick relocated to Tokyo to lead the establishment of South Pole's presence in Japan. In addition, Patrick acts as a Senior Innovation Advisor within South Pole working across a portfolio of innovation and R&D initiatives, including Net Zero strategies, carbon removals, regenerative agriculture, plastic stewardship and digital growth opportunities, for example.

Patrick holds a M.Sc. in mechanical engineering from the Swiss Federal Institute of Technology in Zurich