

Workshop on CO2 cross-border transport and storage (CCS) in Asia and the Pacific

JOGMEC-METI- Asia CCUS Network Joint Workshop

登壇者プロフィール / Speaker biography

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 (JOGMEC)
エネルギー事業本部 副本部長/
Vice President, Energy Business Unit
Japan Organization for Metals and Energy Security (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.

佐伯徳彦 / Norihiko Saeki

経済産業省資源エネルギー庁
燃料環境適合利用推進課 CCS 政策室長/
Director for CCS Policy
Agency for Natural Resources and Energy (ANRE)
Ministry of Economy, Trade and Industry of Japan (METI)



■Mr. Norihiko Saeki serves as the Director for CCS Policy, the Agency for Natural Resources and Energy (ANRE), the Ministry of Economy, Trade and Industry of Japan (METI)
Mr. Saeki is responsible for formulating national strategy for Carbon Capture and

Sequestration (CCS) in the Japanese government and currently engaged in drafting CCUS Business Act and CCUS Diplomacy as well.

Before assuming this duty, Mr. Saeki was the Executive Director at Japan External Trade Organization (JETRO) Los Angeles office and supported to establish Japanese affiliated companies – “Japan Hydrogen Forum (JH2F)” in December 2022 to support the US decarbonization efforts. He has reached many leaders of hydrogen energy in California and other regions across the United States.

Mr. Saeki previously worked as the principal deputy director at Mineral Resources Div. in ANRE, METI. He was engaged in designating “national strategic elements” and securing procurement and investment through the amendment to JOGMEC. He also led the bilateral and multilateral natural resources diplomacy to secure the stable supply of critical minerals to Japan.

He joined the Ministry of Economy, Trade and Industry of Japan in 2001 and has been in charge of various high-tech areas, such as aerospace and defense, metals & materials, bio, health care and information technology.

He received his law bachelor’s degree from University of Tokyo in 2000 and served as a visiting scholar at the Johns Hopkins University SAIS in 2009-2010 and completed Management Acceleration Program in the Anderson School of Management, UCLA in 2022.

Ian Havercroft

General Manager
Global CCS Institute (GCCSI)



■ Ian is the General Manager of the Knowledge and Analysis Team at the Global CCS Institute, and is based in Melbourne, Australia. In this role, Ian leads an experienced team of technical experts in the delivery of the Institute’s analytical, thought leadership and consultancy activities.

Prior to joining the Institute, Ian was an academic at University College London’s Faculty of Laws, where he was a Senior Research Fellow and course tutor in environmental and climate law. At UCL, he co-founded and managed the UCL Carbon Capture Legal Programme within the Faculty’s Centre for Law and the Environment. 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. He has presented his academic research in several international fora.

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).

Beni Suryadi

Manager, Power, Fossil Fuel,
Alternative Energy and Storage Department
ASEAN Centre for Energy (ACE)



■ Beni Suryadi is an energy professional with more than thirteen years of experience in managing programs and conducting research on energy and climate change, supporting the governments of 10 countries in Southeast Asia to build climate-friendly energy sector development under the ASEAN Ministers on Energy overview.

He is currently leading energy partnerships with the U.S., Russia, China, India, Norway, and international development agencies, overseeing multimillion projects’ portfolios, including the ASEAN Energy and Climate Change Project (ACCEPT); the first integrated official project that addressed the regional emissions reduction from the energy sector, endorsed by the ASEAN Ministers on Energy, and now extended into the ACCEPT Phase 2: 2022-2026. He is also a Non-Resident Fellow, The Energy for Growth, Washington, D.C. United States of America; Steering Committee of Global Consortium on Power System Transformation (G-PST), Core Member of Green Grid Initiative Asia-Pacific Working Group, Advisory Board of AGENCE FRANÇAISE DE DÉVELOPPEMENT (AFD) Indonesia, and former Sustainability Advisory Council of PT Aplikasi Karya Anak Bangsa (GO-JEK).

Guy Dwyer

Counsel, Ashurst



■ Guy is a Counsel in Ashurst's office in Sydney, Australia. He has deep experience and expertise in all aspects of environmental law, including planning approval pathways for major projects, biodiversity, Aboriginal cultural heritage, compulsory acquisition and valuation of land, pollution and contaminated land, environmental due diligence, waste and water. He advises and acts for clients in both transactional and litigation settings. In addition to these traditional aspects of environmental law, Guy also advises and acts for clients on matters relating to climate change law, especially as it relates to carbon capture and storage and carbon markets. He has advised numerous clients on issues relating to the carrying out of Australian and international CCS activities, including those involving transboundary movement of CO₂.

Guy also maintains an active involvement in academic and pro bono activities in these area, serving as a peer reviewer for academic journals on climate and environmental law. He regularly contributes publications to academic texts and journals, including most recently a book chapter on climate litigation for a text published by Cambridge University Press and an article for the leading peer reviewed journal, *Climate Law*.

Guy holds a Bachelor of Science with Bachelor of Laws (First Class Honours) from Macquarie University and a Master of Laws (with Excellence) from the University of New South Wales.

紺野博靖 / Hiroyasu Konno

西村あさひ法律事務所 パートナー弁護士/
Partner

Nishimura & Asahi (Gaikokuho Kyodo Jigyo)



■ Mr. Hiroyasu Konno is a partner of the Energy and Natural Resources practice team of Nishimura & Asahi (Gaikokuho Kyodo Jigyo), the largest law firm in Japan. He is admitted in Japan and New York. His team has been providing a wide range of legal advice regarding

CCUS, including legal framework of CCS, transboundary CO2 transfers, CCUS business models and relevant documentations, to both the public sector and private sector. He was a member of the working group to develop the CCS long-term Roadmap of the Ministry of Economy, Trade and Industry of Japan.

Ingvild Ombudstvedt

IOM 法律事務所 CEO 兼弁護士/
CEO and Lawyer
IOM Law advokatfirma



■ Ingvild Ombudstvedt is a lawyer and economist, and the owner and founder of IOM Law. She has been working on legal issues relating to CCS, CCU, CCUS and petroleum since 2012 and has through her experience from Arntzen de Besche Law Firm (Oslo office), the Global CCS Institute (Brussels office), CO2 Capsol, and IOM Law gained extensive experience with these issues globally.

Ingvild is appointed national expert (since 2014) for CO2 storage, CO2-EOR, and shipping by the Norwegian Mirror Committee as part of the ISO Technical Committee TC265, which is established to provide ISO standards for CCS and CO2-EOR. She is appointed Chair of the Norwegian Mirror Committee (delegation) to ISO TC265 and the newly established CEN TC474, a European standardization committee for CCUS.

She holds a Master of Law from the University in Oslo, Norway, and studied Business Administration at the Norwegian University of Life Sciences. She is currently taking a Master of Laws in U.S. Environmental, Natural Resources and Energy Law (graduation May 2024) at Lewis & Clark Law School in Portland, Oregon.

Ingvild is Member of the Norwegian Bar Association and IR Global.

Nor A'in Md Salleh

General Manager, Carbon Management Division
Petroleum Nasional Berhad (PETRONAS)



■ Nor A'in is currently the General Manager for PETRONAS Carbon Capture & Storage

(CCS) in Carbon Management Division(CMD). She graduated with a Bachelor of Mechanical Engineering from Rensselaer Polytechnic Institute in Troy New York, USA in 2001. In 2016, Nor A'in has obtained Project Management Professional (PMP) certification from Project Management Institute. Nor A'in started off her career in oil and gas since 2001 with one of the oil majors and in 2007 she pivoted to serve PETRONAS. Ever since, Nor A'in carried instrumental role in various offshore field development execution as both the regulator and project developer of hydrocarbon field offshore of Malaysia. Currently, she is leading the build of CCS as Petronas new venture by introducing different sets of thinking and perspective whilst observing compliance to technical commercial assurance and risk management. It is evident that her cumulative experience of 20 years in managing projects and her solution focus drive in particular her experience as Project Director of Kasawari Project, mega project with complexity of high contaminants, geopolitical and technical commercial challenges has come into play to the CCS establishment that she is leading in PETRONAS. She has been identified as one of the Thought Leaders in Sustainability upon her completion of Leadersip Program on Sustainability in 2022; a joint program delivered by World Business Council for Sustainable Development (WBCSD), Yale University and IMD.

高尾晶彦 / Akihiko Takao

三菱商事株式会社

天然ガスグループ LNG 開発・販売本部 新規事業開発部

総括マネージャー /

Assistant General Manager, Business Development Department,
New LNG Venture & Marketing Division, Natural Gas Group
Mitsubishi Corporation



■ Mr. Akihiko Takao has actively led cross-border CCS value chain business opportunities in the past couple of years. Additionally, he has been involved in other CCS-related initiatives, such as blue ammonia and blue hydrogen, leveraging his knowledge and technical expertise.

Externally recognized for his contributions, he was appointed a member of the CCS task force team within the Japan Petroleum Development Association in February 2024.

His career began in 1999 as a geologist for a Japanese oil company after completing his master's degree in Science. With approximately 25 years of experience in the Oil and Gas Upstream industry, he has played pivotal roles in various Oil and Gas development projects across North Africa, SE Asia, Australia, North Sea and the United States, holding both

operator and non-operator positions.

In addition to his substantial involvement in oil and gas upstream development, he has demonstrated a broad technical knowledge and experience, extending to CCS, natural gas storage, and natural hydrogen exploration throughout his career. His diverse expertise positions him as a seasoned professional with a comprehensive understanding of the industry's intricacies.

Baris Dolek

Shipping and Commercial Manager
Northern Lights JV



■ Baris Dolek is the Shipping and Commercial Manager at Northern Lights JV DA in Norway. Baris is an experienced Carbon Capture and Storage professional. At Northern Lights, he works across business development and shipping; supporting industrial emitter's path to decarbonisation. Baris has worked in the USA, Australia, the UK, Norway and Turkey. He holds an engineering degree and an MBA.

沼野正載 / Masatoshi Numano

株式会社商船三井
エネルギー営業本部 タンカー・オフショア事業群
第二ユニット長 /
General Manager, Offshore Unit Integrated Tanker & Offshore
Projects, Headquarters of Energy Business
Mitsui O.S.K. Lines, Ltd.



■ Masatoshi Numano joined Mitsui O.S.K. Lines, Ltd. (MOL) in 2002 and became General Manager, Offshore Unit, in April 2023, after gaining experience in Tanker Division, Corporate Planning Division and Coal and Iron Ore Carrier Division.

Offshore Unit is responsible for one of non-conventional shipping business such as FPSO, Subsea Supporting Vessel, Arctic Research Vessel as well as CCUS business development including liquified CO2 marine transport.

堀見泰資 / Taisuke Horimi

日本製鉄株式会社
グリーン・トランスフォーメーション推進本部 参与 /
Executive Counselor,
Green Transformation Development Sector
Nippon Steel Corporation



■Mr. Horimi has been serving as the Executive Counselor for the Green Transformation Development Sector at Nippon Steel since April 2024. He joined the company in 1991 and has gained extensive experience as an engineer in ironmaking at Hirohata Works, Nagoya Works, and Kimitsu Works. Building on this experience, he actively contributes to Nippon Steel's carbon-neutral initiatives, including the development of hydrogen reduction technologies for blast furnaces and hydrogen reduction-based shaft furnace technologies, the establishment of large-scale electric furnace technology for high-end steel production, and the implementation of CCS in steelworks.

三好啓介 / Keisuke Miyoshi

独立行政法人エネルギー・金属鉱物資源機構 (JOGMEC)
エネルギー事業本部 CCS・水素事業部長/
Director General, Hydrogen and CCS Project Department
Japan Organization for Metals and Energy Security
(JOGMEC)



■Mr. Miyoshi has served as the Director General of the Hydrogen and CCS Project Department, and has 27 years of experience in oil and gas industry included process engineering, assessment and development of oil and gas fields, and researches and development (R&D) related to new technologies. He was involved as process engineer in EPC of grass-roots refineries, gas processing, LNG and GTL, and as project engineer in East Siberia E&P and offshore development (FPSO) in Malaysia. Recently, his work focused specifically on the carbon neutral issue, such as clean fuel ammonia and green fuel value chain surveys from Australia, Middle East, Southeast Asia to Japan.

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, Hydrogen and CCS Project Department,
Energy Business Unit, Japan Organization for Metals and
Energy Security (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.

パネルディスカッション 1 モデレーター / Panel Discussion 1 Moderator biography

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

パネルディスカッション2 モデレーター / Panel Discussion 2 Moderator biography

高橋 悟 / Satoru Takahashi

独立行政法人エネルギー・金属鉱物資源機構 (JOGMEC)

エネルギー事業本部 CCS・水素事業部

総括・国際連携課長/

Director, Hydrogen and CCS Project Department

Japan Organization for Metals and Energy Security (JOGMEC)



■ Satoru Takahashi is the Director, Global Coordination Division, Hydrogen and CCS Project Department of JOGMEC, and has more than 20 years of experience in oil and gas fields. His work currently focuses on coordination of Hydrogen and CCS projects especially in early-stage studies with Japanese companies to move towards a carbon-neutral society as well as survey on the legal/regulatory framework of CCS and hydrogen in other countries. He holds Ph.D. of Petroleum Engineering, and Bachelor and Master of Natural Resources Engineering.