



The Climate Week NYC Event

Strategies & technological solutions for achieving carbon emissions reduction under the -1.5 C° scenario

Event organizers: *Alliance for Industry Decarbonization and the International Energy Charter Industry Advisory Panel*

Date: 18 September 2023

Time: 10:00 am – 12:00 pm (Eastern time)

Event language: English

Event format: hybrid

Event theme: energy -industry

Event registration link:

<https://www.climateweeknyc.org/events/strategies-technological-solutions-achieving-carbon-emissions-reduction-under-15-cdeg>

Event location: Eni office, 437 Madison Ave, NY, USA:

<https://sagerealty.com/properties/437-madison-avenue/>

Background:

Given the ongoing pace and scope of the energy transition, anything short of radical and immediate action will diminish – and may possibly eliminate – the chance of staying on the 1.5°C path.

IRENA's World Energy Transition Outlook (WETO) 2023 states that significant acceleration is needed across energy sectors and technologies, from deeper end-use electrification of transport and heat, to direct renewable use, energy efficiency and infrastructure additions.

While the energy transition undoubtedly requires time, there is significant potential to implement many of the available technology options today. Upward trends in the deployment of these solutions demonstrate that the technical and economic case is sound. However, comprehensive policies are needed across all sectors to ramp up deployment, as well as to instigate the systemic and structural overhaul required to realise climate and development objectives.

The energy transition is crucial for delivering on economic, social and environmental priorities. It is imperative for governments, financial institutions, and the private sector to urgently re-evaluate their aspirations, strategies and implementation plans to realign the energy transition with its intended trajectory.

Despite good global progress in deployment of renewables in the power sector, the end use sectors have lagged, with industrial processes and domestic heating still heavily reliant on fossil gas. In hard-to-abate industries, deeper penetration of renewables, expanded electrification and improvements in energy efficiency can play a crucial role in alleviating concerns about prices and security of supply.

About 25% of global GDP is produced by the industrial sector, which also emits around 30% of GHG energy and process-related emissions. Less than a decade is left to secure a fighting chance for a 1.5°C world, requiring multiple dimensions to maximise benefits and carefully manage adverse outcomes. To meet these commitments, the private sector should be part of the efforts to pivot from fossil fuels to renewable energy sources and pursue widespread decarbonisation of all end-use sectors, which would be as well a powerful equaliser in the world where disparities and gaps between communities, nations and regions continue to widen.

About the organizers:

The objective of the [Alliance for Industry Decarbonization](#) is to facilitate dialogue on industry level and increase cooperation to help companies to develop solid decarbonization strategies and implementation plans, aligned with their countries' net-zero and decarbonization commitments. The Alliance is to serve as a global platform for enhancing dialogue through exchange of insights, experiences and best practices.

The participation of leading industries and ecosystem knowledge partners in the global Alliance for Industry Decarbonization and the Industry Advisory Panel promotes cooperation among industries and contribute to global Government-Industry dialog on advancing just energy transition including decarbonization of industries.

The Energy Charter Industry Advisory Panel is the expert consultative body providing policy advice from energy companies, international business associations and financial institutions. to the Energy Charter Conference. The Panel aims to strengthen the dialogue between the policymakers and the private sector in various formats, and to channel views and advice on

matters related to investment dispute settlement, energy demand and supply, trade, transit and efficiency.

Event objectives:

The event will gather the high-level leaders of the international organisations, and industries to share their vision and experiences of strategies & technological solutions for achieving carbon emissions reduction under the -1.5 C° scenario.

The event will foster partnerships based on dialogue and actions that are crucial for industrial stakeholders to best address the challenges and opportunities of a clean energy transition. The meeting aims to foster exchanges and collaboration that can accelerate global climate action.

It will address the industry’s views on importance of coherent, comprehensive, coordinated, and caring policies to ensure a safe transition aimed at having a fully functional, reliable, and efficient energy system.

The speakers of this meeting will have an opportunity to share their opinions on policy measures to secure green financing, trigger industry’s decarbonization and promote the clean energy transition through enhanced digitalization, smart decentralization and technology advances (renewables, green hydrogen, bioenergy with CCS, heat optimization) and human capital.

Agenda

<i>9:30 am – 10:00 am</i>	<i>Arrival & welcome drinks</i>
<i>10:00 am– 10:20 am (Eastern time)</i>	<p><i>Opening remarks:</i></p> <p>Ms. Atsuko Hirose, Deputy Secretary-General, Energy Charter Secretariat</p> <p>Mr. Marco Margheri, Head of USA International Relations Office, Eni</p> <p>Mr. Rafael Cayuela, Chief Strategy Officer & Corporate Chief Economist, Dow EMEAI</p>
<i>10:20 am– 11:50 am</i>	<p><i>Roundtable discussion – Strategies & technological solutions for achieving carbon emissions reduction under the -1.5 C° scenario</i></p> <p>Moderation by Mr. Marco Margheri, Head of USA International Relations Office, Eni</p> <p>Discussants:</p> <p>Alliance for Industry Decarbonization:</p> <ul style="list-style-type: none"> • Mr. Rich Voorberg, Siemens Energy, President, North America • Ms. Cori Petersen, Chief People and Sustainability Officer, FLSmidth • Mr. Bruce Douglas, CEO, Global Renewables Alliance • Mr. Rich Voorberg, Siemens Energy, President, North America • Mr. Nour Sobh, Senior Advisor - Corporate Energy Sourcing, Eurelectric <p>Ms. Mikki Corcoran, VP Sustainability, SLB</p>

	<p>Industry Advisory Panel:</p> <ul style="list-style-type: none"> • Mr. Rafael Cayuela, Chief Strategy Officer & Corporate Chief Economist, Dow EMEAI (via video call) • Mr. Hans Korteweg, Managing Director, COGEN EUROPE & Executive Director, COGEN World Coalition (via video call) • Mr. Ivan Pineda, Director of Innovation, WindEurope (via video call) • Mr. Bogdan Simion, Data Analytics Advisor, Gas Infrastructure Europe (via video call) <p>Mr. Nunzio Peleggi, Managing Director Business Development Renewables, DNV</p> <p>Invited guest:</p> <ul style="list-style-type: none"> • Mr. Christian Spano, Director Innovation, ICMM
10:50 am– 12:00 pm	Closing remarks

Discussion guiding questions:

The panel discussion will focus on five pillars: ‘**Strategies & technological solutions for achieving carbon emissions**’, ‘**Industry views on policies to stimulate emission reduction**’, ‘**Challenges and opportunities to secure project financing**’, ‘**Enabling Technologies and Infrastructure**’, and ‘**Skills and Capacity Development**’.

Please find below the guiding questions under each pillar.

Strategies & technological solutions for achieving carbon emissions

- Share experience of your company/organisation to develop and implement a decarbonization strategy.
- What are the main challenges and emerging solutions to decarbonize industries?

Industry views on policies to stimulate emission reduction

- What industry needs from the policymakers to enable decarbonisation in hard-to-abate sectors?
- What are some of the best practices in policies and regulations in different countries that could be promoted, replicable and adopted?

Challenges and opportunities to secure project financing

- Key technologies for industry decarbonisation that are less mature such as green hydrogen, renewable heat and carbon capture use and storage remain financially underserved, especially in emerging and developing countries. Please provide examples of successful projects and share your view how to overcome the barriers and foster cooperation between public and private finance institutions to unlock access to sustainable finance?

Enabling technologies and infrastructure

- What are the remaining gaps in technology and infrastructure to decarbonize industries, and how can we overcome them?
- What would be the role of industry and governments in filling some of these gaps?

Skills and capacity development

- Are there any challenges or opportunities in building skills and capacity to decarbonise hard-to-abate sectors?
- As we shift towards a low-carbon economy from high-carbon industries, what are some of the essential skills required for industrial workforce?