

CONNECTING THE DOTS FOR THE HYDROGEN ECONOMY

In the race against time to reach net zero emissions, hydrogen as an energy carrier is receiving considerable attention as a clean alternative in hard-to-abate sectors. A range of forecasts exists for the future global hydrogen demand, likely from the new end-use applications - led by steel, generation of industrial heat, aviation and shipping. However, despite its promising role in combating the climate crisis, its deployment faces many challenges, from production and transport to end-use. This session will discuss how policymakers, industry, and other stakeholders can connect the dots to realize the shared vision of accelerating the production and use of low-carbon hydrogen.

The panelists will map out the relevant issues encompassing three broad areas - (i) Creating demand and accelerating the scaling up of production (ii) the need for an internationally recognized certification system and how this could be achieved, and (iii) Overcoming the barriers for building vital infrastructure such as transport and storage.



Sunday, 3 December
 14:00 - 14:45



Blue Zone, Shared
 Presentation Stages,
 Arena 3



In-Person
 Panel Discussion

Opening | 14:00 - 14:05

Welcoming Remarks and Panel Introductions



Fahad Alajlan
 President,
 KAPSARC

Panel Discussion | 14:05 - 14:35

MODERATOR

EXPERTS



Rami Shabaneh
 Research Fellow,
 Oil & Gas Program,
 KAPSARC



Shahid Hasan
 Research Fellow,
 Utilities & Renewables
 Program,
 KAPSARC



Olivia Azadegan
 Energy Transition
 Director, MENA,
 CATF



Eunji Park
 Associate Expert,
 Climate & Technology
 Partnership Division,
 UNIDO

Q&A Session | 14:35 - 14:45

The audience will be invited to post questions to the panel.

CONVERSATION ON THE CURRENT STATUS, CHALLENGES, & OPPORTUNITIES FROM DECARBONIZING AVIATION & MARITIME SECTORS

As both aviation and maritime are part of the hard-to-abate sectors, contributing around six percent of total global emissions, and facing difficulties in finding alternative and low-emission fuels to progress towards a Net Zero sector, this panel session seeks to understand the challenges and opportunities for decarbonizing the maritime and aviation sectors in the short, medium, and long term.



Sunday, 4 December
15:00 - 15:45



Blue Zone, Shared
Presentation Stages,
Arena 3



Modified
Panel Discussion

Session Description

The panel will be segmented into three parts. The first, looking at the background & current situation of the maritime and aviation sectors. Second, will be a focus on international commitments, policies, and regulations. Finally, the third part will focus on challenges and opportunities moving forward in these two hard-to-abate sectors.

Part I - Background & Current Situation - 10-15 mins



Andres Felipe-Guzman
Fellow I,
KAPSARC



Nora Nezamuddin
Fellow I,
KAPSARC

Part II - International Commitments, Policies & Regulations

MODERATORS



Andres Felipe-Guzman
Fellow I,
KAPSARC



Nora Nezamuddin
Fellow I,
KAPSARC

SPEAKERS



Haldane Dodd
Executive Director,
Air Transport
Action Group



Camille Bourgeon
Technical Officer,
IMO

Part III - Challenges & Opportunities

MODERATORS



Andres Felipe-Guzman
Fellow I,
KAPSARC



Nora Nezamuddin
Fellow I,
KAPSARC

SPEAKERS



Benjammin Dineshkar
Director of Advisory
Middle East & Africa,
DNV

ROLE OF LPG IN ENABLING THE JUST & INCLUSIVE ENERGY TRANSITION IN MENA & AFRICA REGIONS

2.3 billion people globally still cook using biomass and open fire. This puts them at risk for air pollution-based diseases, prevents women from joining the labor force, and leads to unsustainable biomass harvesting. The main objective of this event is contextualizing the critical issues preventing fast diffusion of clean cooking technologies and, therefore, the achievement of SDG7, particularly for those vulnerable communities heavily impacted by traditional cooking practices. It highlights the urgent need for collective actions by exploring the developmental impact of clean cooking technologies and proposing supply chain solutions and presents the gains from using LPG for clean cooking through an integrated approach for the overall achievement of SDG7, SDG5, SDG13 as well as enabling other SDGs.

First, this event will outline the barriers preventing households from transitioning to clean cooking. Second, it will reflect on the benefits of adopting clean cooking solutions, particularly LPG, in combination with renewables. Third, it will highlight the urgent need for collective action and policy support to ensure a sustainable and healthier future by providing actionable insights for policymakers and other stakeholders regarding implementing contextually effective interventions to mitigate the challenges and promote the adoption of LPG for clean cooking. Finally, it will discuss how to finance this transition for advancing SDG7 and delivering on the Paris Climate Agreement.



Tuesday, 5 December
 15:00 - 15:45



Blue Zone, Shared
 Presentation Stages,
 Arena 3



Keynote Presentations
 & Panel Discussion

Opening | 15:00 - 15:05

Opening Remarks and
 Scene-Setting



Radia Sedaoui
 Research Fellow,
 Oil & Gas Program,
 ESCWA

Presentation | 15:05 - 15:12

This presentation will look at the use of
 LPG for increasing clean cooking access



Fateh Belaid
 Research Fellow,
 KAPSARC

Panel Discussion | 15:12 - 15:32

MODERATOR



Radia Sedaoui
 Research Fellow,
 Oil & Gas Program,
 ESCWA

EXPERTS



Fateh Belaid
 Research Fellow,
 KAPSARC



Reema Al Asghar
 Oil Sustainability
 Program,
 KSA



Semida Silveira
 Professor, Systems
 Engineering,
 Cornell
 University, USA



Kapil Narula
 Senior Analyst
 Breakthrough
 Agenda,
 Climate Champions
 Team, UAE



Chinnan Maclean Dikwal
 Vice-Chair,
 African
 Energy Council

Q&A | 15:32 - 15:42

Moderator to take questions from the audience

Close Remarks | 15:42 - 15:45



Radia Sedaoui
 Research Fellow,
 Oil & Gas Program,
 ESCWA

COP28 OFFICIAL SIDE-EVENT

**BRIDGING THE GAP IN ESG FINANCING
 OF CRITICAL TECHNOLOGIES FOR THE
 HARD-TO-ABATE SECTORS**

Decarbonizing carbon-intensive sectors is vital for achieving carbon neutrality. This session will focus on the role of the ESG finance and necessary policy and business strategies for scaling up the deployment of critical technologies in hard-to-abate sectors particularly in developing countries.



Friday, 8 December
 16:45 - 18:15



Blue Zone,
 UNFCCC Side Event,
 Function Room



Modified
 Panel Discussion

Opening | 16:45 - 17:00



Fahad Alajlan
 President,
 KAPSARC



Tatsuya Terazawa
 Chairman & CEO,
 IEEJ

Scene-Setting Presentations | 17:00 - 17:20

**Financing Hard-to-abate Sector Transition:
 Trends, Issues and Steps Forward,**
 Fatih Yilmaz, Fellow I, Climate &
 Sustainability,
 KAPSARC

**Technologies and Policies for the
 Hard-to-Abate Sectors**
 Toshiyuki Sakamoto, Director for Climate
 Change and Energy Efficiency,
 IEEJ

Perspectives & Moderated Discussion | 17:20 - 18:15

PERSPECTIVES: (15 MINS)

Policy Perspective,
 Yumiko Hata, Director, Carbon
 Management Division,
 Ministry of Economy, Trade
 and Industry of Japan

Business Perspective,
 Niel Brown, Managing
 Director,
 KRR Global Institute

Industry Perspective,
 Manish Kumar Shrivastava,
 Senior Fellow,
 The Energy and Resource
 Institute (TERI)

MODERATED DISCUSSION & Q&A: (40 MINS)

Moderator,
 Melanie Kenderdine,
 Principal, Executive VP,
 Energy Future Initiative

CLOSING REMARKS

Melanie Kenderdine

LAUNCH OF THE 2023 CIRCULAR CARBON ECONOMY INDEX

The transition to net-zero emissions requires an approach that integrates all possible technologies and solutions to reduce, recycle, reuse, and remove carbon and other greenhouse gases (GHGs), preventing them from entering the atmosphere. The Circular Carbon Economy (CCE) emerges as an inclusive, holistic, and flexible transition concept, allowing the incorporation of national circumstances and strengths into NetZero planning. The CCE Index applies this concept globally, tracking countries' CCE transition performance and identifying opportunities to stimulate constructive policy discussions.



Saturday, 9 December
 14:00 - 14:45



Blue Zone, Shared
 Presentation Stages,
 Arena 3



Presentation &
 Panel Discussion

Opening | 14:00 - 14:05

Welcoming Remarks and
 Panel Introductions



**Fahad
 Alajlan**
 President,
 KAPSARC

Presentation | 14:05 - 14:20

The 2023 Circular Carbon
 Economy Index Results



**Fatih
 Yilmaz**
 Fellow I,
 KAPSARC

Panel Discussion | 14:20 - 14:45

Accelerating CCE transition in a global context

The panel discussion will elaborate more on the CCE concept and discuss the CCE index results in a policy context bringing perspectives from different countries and regions. It will also feature Q&A from the audience.

MODERATOR

SPEAKERS



**Noura
 Mansouri**
 Fellow I,
 KAPSARC



**Adam
 Sieminski**
 Senior BOT Advisor,
 KAPSARC



**Fatih
 Yilmaz**
 Fellow I,
 KAPSARC

COP28 SHARED PRESENTATION STAGES EVENT

SATELLITE TECHNOLOGY FOR MEASURING & TRACKING GHG EMISSIONS

The first Global Stocktake is happening at COP28, where parties will come together to assess progress towards achieving the goals of the Paris Agreement. Comprehensive, transparent, timely, and accurate measurement of greenhouse gas (GHG) emissions is essential to the Global Stocktake process and to meeting climate goals. Countries measure their GHG emissions by following guidelines developed by the Intergovernmental Panel on Climate Change, but many countries face difficulties and challenges in doing so.



Sunday, 10 December
 14:00 - 14:45



Blue Zone, Shared
 Presentation Stages,
 Arena 3



Keynote Presentations
 & Panel Discussion

Opening | 14:00 - 14:10

Moving towards better measurement of GHG emissions: A focus on Saudi Arabia

This presentation will present satellite results on GHG emission measurement for Saudi Arabia.



Anwar Gasim

KAPSARC

Presentation | 14:10 - 14:20

AI + Satellites, GHG accounting, & the Global Stocktake

This presentation will look at the potential role of satellites in contributing to the Global Stocktake.



Antoine Half

Kayros

Panel Discussion | 14:20 - 14:45

Satellite Technology for measuring and tracking GHG emissions

Session description: The panel will broadly discuss the role of satellite technology in the measurement of GHG emissions globally, regionally for the GCC countries, and for Saudi Arabia.

MODERATOR



Walid Matar

KAPSARC

SPEAKERS



Anwar Gasim

KAPSARC



Antoine Half

Kayros



Abdelrahman Muhsen

KAPSARC