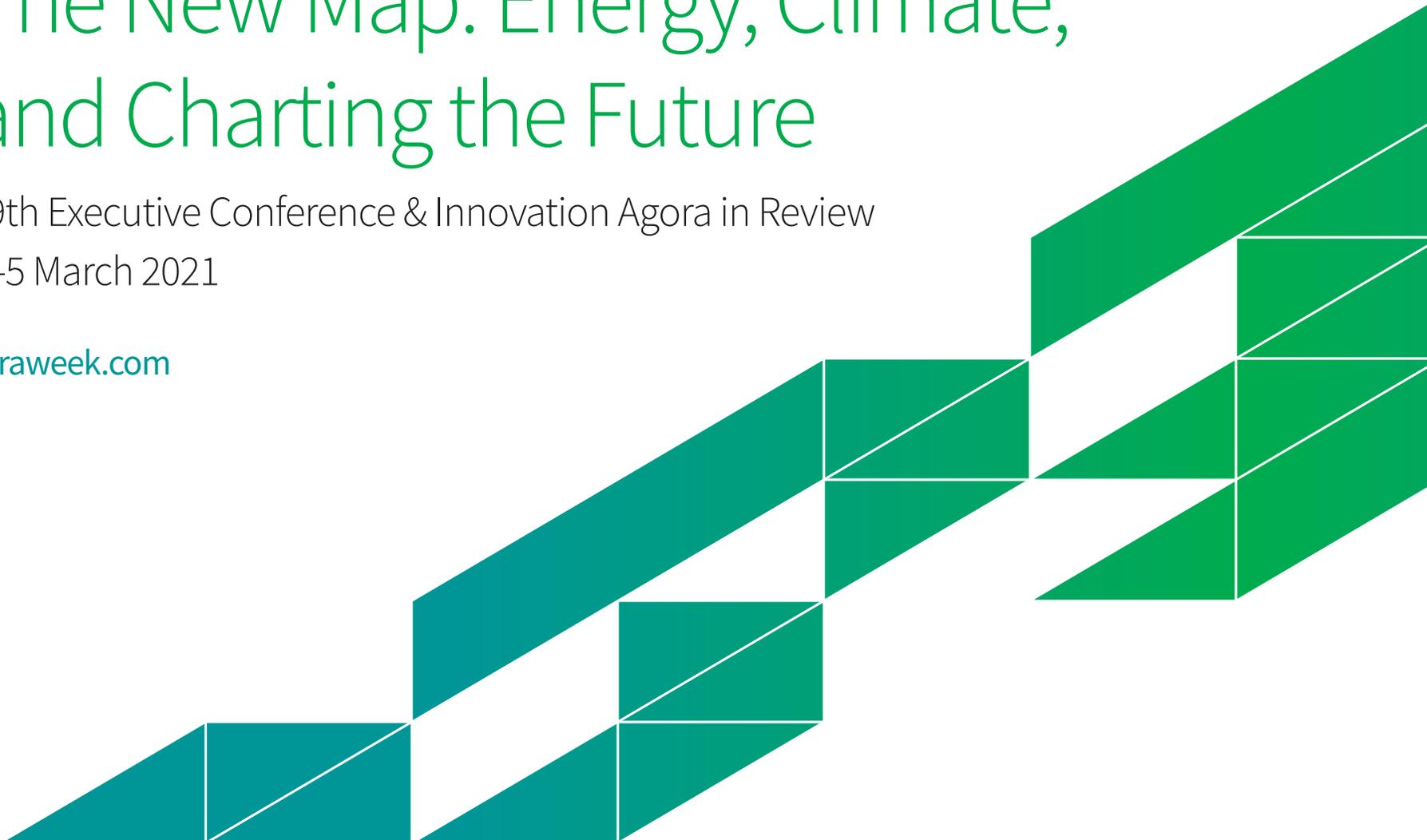




The New Map: Energy, Climate, and Charting the Future

39th Executive Conference & Innovation Agora in Review
1–5 March 2021

ceraweek.com





Welcome notes

CERAWeek 2021

CERAWeek, the world’s premier energy event, centered on “The New Map: Energy, Climate, and Charting the Future,” inspired by Daniel Yergin’s recent book, “The New Map.” This year’s CERAWeek was unique: for the first time in its history, it was a virtual event.

Going virtual, our audience grew to some 15,000 delegates from more than 104 countries. CERAWeek hosted over 200 sessions, with more than 450 speakers addressing opportunities and challenges on the road ahead—from oil and gas to power generation, renewable energy, technology, investment, and regulatory and environmental policies.

CERAWeek’s Innovation Agora-X—our marketplace for ideas, solutions, and connections—included a remarkable assembly of innovators and thought leaders. We featured topics critical to the world of innovation—from digital transformation to clean power technologies, mobility, the built environment, and the future workforce.

We are deeply thankful to our speakers, partners, and participants for their engagement and contributions to making CERAWeek 2021 a success.

Sincerely,



Daniel Yergin

Co-Chairman, CERAWeek
Vice Chairman, IHS Markit



James Rosenfield

Founder & Co-Chairman, CERAWeek
Senior Vice President, IHS Markit

About CERAWeek

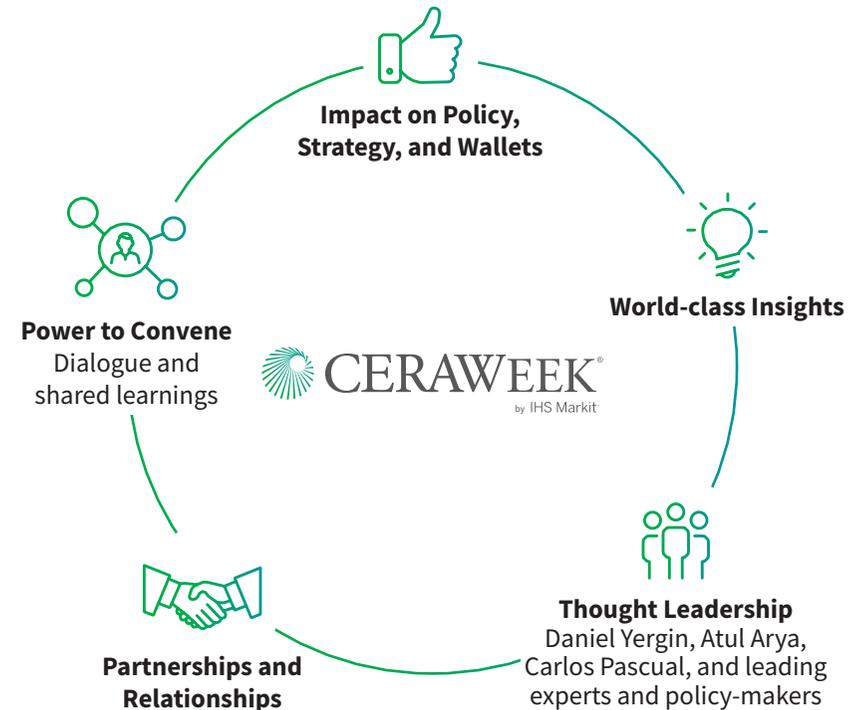
Executive Conference

For nearly 40 years, CERAWeek has been providing an integrated framework for understanding what's ahead for global energy markets, geopolitics, and technology. Participants include senior executives, government officials, thought leaders, academics, technology innovators, and financial leaders.

Our Mission

CERAWeek brings together global leaders to advance new ideas, insights, and solutions to the biggest challenges facing the future of energy, the environment, and climate. CERAWeek is widely considered to be the most prestigious annual gathering of CEOs and Ministers from global energy and utilities, as well as automotive, manufacturing, policy, and financial communities, along with a growing presence of tech.

What are CERAWeek's components of value?



CERAWeek 2021 Highlights

Speakers



486
Speakers



33
Ministers and
Top Officials



2
Heads of State



23,983
Speaker Pageviews

Sessions



217
Sessions



178,589
Session Views



20,878
Watchlisted Sessions



2,938,707
Minutes Spent on
Session Pages

Community



14,430
Attendees



104
Countries



61
Partners



25
Private Forums
and Summits

Media



12.9 Billion
Global Media Impressions



6,600+
Global Media Mentions



50,371
Social Media
Total Mentions



113,748,537
Social Media Total Reach

CERAWeek 2021 Media Impact

536

accredited journalists

87

countries with media coverage

12.9

billion global media impressions*

6,600+

global media mentions during CERAWeek

Broadcast segments include **CNBC, CNBC Squawk Box** (US), and **CNBC TV18** (India)

114

media organizations**

*Global media impression numbers are based on new monitoring systems for 2021 and may not be comparable to prior years' data.

**Media organizations: Aasahi Shimbun, Access Intelligence, Agence France-Presse, AGI, ANI, Argus, Associated Press, Axios, Barron's, BIC Magazine, Bloomberg News, Bloomberg Television and Radio, Breakthrough Energy, Business Insider, BuzzFeed News, Carbon Pulse, CBS NEWS, China News Service, Clean Edge, CleanTechIQ.com, CNBC, CNN, CNN International, CoStar News, CQ Roll Call, Dallas Morning News, E&E News, Endeavor Business Media, Energy Intelligence, Facto Edizioni-ExpovistaTV, Financial Times, Forbes, Fort Worth Business Press, Forum of Fargo-Moorhead, Fox News, Frankfurter Allgemeine Zeitung, FreightWaves, Gizmodo, Global Finance Media, Global Influence Magazine, Greentech Media, Gulf Energy Information, Hart Energy, Hippo Energy Media, Houston Business Journal, Houston Chronicle, Houston Public Media, Hydrocarbon Processing, IBMTV, ICIS, In the Oil Patch Radio Show, Indica News, InnovationMap, Inside Climate News, Inside EPA, International Association of Drilling Contractors, Investor's Business Daily, JPT, KHOU 11 news, Kyodo News, Latino Journal, Law360, Livestock Weekly, MarketWatch, Morning Consult, National Journal, Natural Gas Intelligence, New York Times, NewsData, NHK, Nikkei, NPR, Offshore magazine, Oil & Gas Journal, Oil and Gas Investor magazine, Oilprice.com, OPIS, Petroleum Editores S.A., Petroleum Equipment Institute, Petroleumworld.com, POLITICO, POWER Magazine, Press Trust of India, Public Utilities Fortnightly, Recharge, Refinery Operations, Reuters, RTO Insider, Russian-American Business magazine, S&P Global Market Intelligence, S&P Global Platts, Society of Petroleum Engineers (SPE), Sputnik News, TASS News Agency, Texas Tribune, The Economist, The Energy Daily, The Foster Report, The Hill, The Independent, The New Republic, The Story Houston, Time, Turbomachinery International Magazine, U.S. News & World Report, Upstream, USA TALK NETWORK, INC., Utility Dive, Vox Media, Wall Street Journal, Washington Examiner, Washington Times, World Oil, Xinhua News Agency

Speaker Highlights

Government (select)



Hon. Shri Narendra Modi

Prime Minister,
Republic of India



Hon. Iván Duque Márquez

President, Republic of
Colombia



Hon. John F. Kerry

Special Presidential
Envoy for Climate,
United States



**Commissioner
Kadri Simson**

Commissioner for
Energy, European
Commission



**H.E. Suhail Mohamed
Al Mazrouei**

Minister of Energy &
Industry, Ministry of
Energy & Industry,
United Arab Emirates



**Hon. Jennifer
M. Granholm**

Secretary of Energy,
United States
Department of Energy

Thought Leaders (select)



Bill Gates

Co-Chair, Bill & Melinda
Gates Foundation



Sarah Ladislaw

Senior Vice President;
Director, Energy Security &
Climate Change Program,
Center for Strategic &
International Studies



Arun Majumdar

Jay Precourt Provostial
Chair Professor, Faculty
Member Department of
Mechanical Engineering,
Stanford University



Lord Browne

Chairman of the
Supervisory Board,
Wintershall Dea;
Former Chief executive
officer, bp p.l.c.



Fatih Birol

Executive Director,
International Energy
Agency (IEA)



Rt. Hon. Alok Sharma

President, COP26,
United Nations Climate
Change Conference

Finance, Investment & Risk Management (select)



**HE Yasir Othman
Al-Rumayyan**

Governor of the Public
Investment Fund (PIF),
Chairman of the Board,
Saudi Aramco



Thomas Gottstein

Chief Executive Officer
of the Group,
Credit Suisse



Mark Carney

Adviser to Prime Minister,
COP 26; UN Special
Envoy Climate & Finance



Bobby Tudor

Chairman, Tudor,
Pickering, Holt & Co



Allison Herren Lee

Acting Chair, United
States Securities and
Exchange Commission



Jeremy Weir

Executive Chairman &
Chief Executive Officer,
Trafigura

Technology & Business Transformation (select)



Andrew Jassy

Chief Executive Officer,
Amazon Web Services
(AWS)



Noubar Afeyan

Co- Founder &
Chairman, Moderna
and Founder & CEO,
Flagship Pioneering



Jason Zander

Executive Vice President,
Microsoft Corporation



Scott Kirby

Chief Executive Officer,
United Airlines



Jean-Pascal Tricoire

Chairman &
Chief Executive Officer,
Schneider Electric



Christian Bruch

Chief Executive Officer,
Siemens Energy AG

Oil, Gas & Chemicals (select)



H.E. Dr. Sultan Ahmed Al Jaber

Minister of State, UAE, and Director General & Group CEO, Abu Dhabi National Oil Company (ADNOC)



H.E. Saad Sherida Al-Kaabi

Minister of State for Energy Affairs, Qatar, and President & CEO, Qatar Petroleum



Ben van Beurden

Chief Executive Officer, Royal Dutch Shell p.l.c.



Vicki A. Hollub

President & Chief Executive Officer, Occidental



Bernard Looney

Chief executive officer, bp p.l.c.



Shrikant Madhav Vaidya

Chairman, Indian Oil Corporation Limited



Amin Nasser

President & Chief Executive Officer, Saudi Aramco



Patrick Pouyanné

Chairman & Chief Executive Officer, TotalEnergies



Tengku Muhammad Taufik

President & Group Chief Executive Officer, PETRONAS



Michael K. Wirth

Chairman, & Chief Executive Officer, Chevron



Darren Woods

Chairman & Chief Executive Officer, Exxon Mobil Corporation



Mele K. Kyari

Group Managing Director, Nigerian National Petroleum Corporation

Gas, Power & Renewables (select)



Nick Akins

Chairman, President & CEO,
American Electric Power



H.E. Mohamed Al Hammadi

Chief Executive Officer,
Emirates Nuclear Energy
Corporation



Al Monaco

President & Chief Executive
Officer, Enbridge, Inc.



Marco Alverà

Chief Executive Officer, Snam



Lynn Good

Chair, President & CEO,
Duke Energy



Jack Fusco

President & Chief Executive
Officer, Cheniere Energy



Ignacio Galán

Chairman & Chief Executive
Officer, Iberdrola, S.A.



Seifi Ghasemi

Chairman, President & CEO,
Air Products & Chemicals, Inc.



Giulia Chierchia

Executive vice president,
strategy & sustainability,
bp p.l.c.



Karen Harbert

President & Chief
Executive Officer,
American Gas Association



Frank Mastiaux

Chief Executive Officer &
Chairman of the Board,
EnBW AG



Sumant Sinha

Chairman & Chief Executive
Officer, ReNew Power



Fred Krupp

President, Environmental
Defense Fund



Ben Fowke

Chairman & Chief Executive
Officer, Xcel Energy, Inc.



Manu Asthana

President & Chief Executive
Officer, PJM Interconnection

Executive Conference Program

Themes

- The geopolitics of the new map of energy
- Pathways to net zero for governments and industry
- New business models and corporate strategies for energy transition
- Investing in the future of energy
- The future of U.S. shale and upstream oil & gas
- Economic recovery and global growth post-pandemic
- Renewables, infrastructure, and mobility



Leadership Dialogue with Hon. Joe Manchin,
U.S. Senator, West Virginia Chairman, U.S. Senate
Energy and Natural Resources Committee



CERAWeek Community Meet-Up



Nirmal Shani
Head of Asia Pacific, CERAWeek

Leadership Vision with B. Anand, Chief Executive Officer, Nayara
Energy Limited. Hosted by **Nirmal Shani,** Head of Asia Pacific,
CERAWeek, IHS Markit.

Key messages

- **Biden Administration officials** discussed policies for net zero and energy transition.
- **Energy ministers of Egypt, Israel, and the United Arab Emirates** continued to redraw the “New Map” of the Middle East by presenting their shared vision for energy, commerce, and technology.
- **Reimagining the energy future:** Leaders from across the energy and technology spectrum collaborated at CERAWEEK 2021.



Hon. Gina McCarthy

National Climate Advisor,
The White House



H.E. Suhail Mohamed Al Mazrouei

Minister of Energy & Industry,
Ministry of Energy & Industry,
United Arab Emirates



H.E. Dr. Yuval Steinitz

Minister of Energy, Ministry of
Energy, Israel



H.E. Tarek El Molla

Minister of Petroleum & Mineral
Resources, Ministry of Petroleum &
Mineral Resources, Egypt

Major announcements

- **Prime Minister Narendra Modi of India** delivered a keynote address and received the CERAWeek Global Energy and Environmental Leadership Award for his efforts to promote environmental stewardship across India. “The most powerful way to fight climate change is behavioral change,” Modi said in his keynote remarks.
- **U.S. Secretary of Energy Jennifer Granholm** delivered her inaugural energy address at CERAWeek 2021. In her first public remarks as energy secretary, Granholm outlined the Biden Administration’s vision for the low-carbon economy and announced Jigar Shah as Executive Director of DOE’s Loan Programs Office, a \$40-billion facility to fund energy infrastructure projects.
- **Bill Gates**, Co-Chair of the Bill & Melinda Gates Foundation and Founder of Breakthrough Energy, discussed his latest book “How to Avoid a Climate Disaster,” in a special dialogue with CERAWeek Chairman Daniel Yergin. Gates examined the next-generation technologies, financing, and societal commitments needed to tackle the climate challenge.



Hon. Shri Narendra Modi
Prime Minister, Republic of India



Jennifer Granholm
U.S. Secretary of Energy



Bill Gates, Co-Chair of the Bill & Melinda Gates Foundation and Founder of Breakthrough Energy, on his latest book “How to Avoid a Climate Disaster”

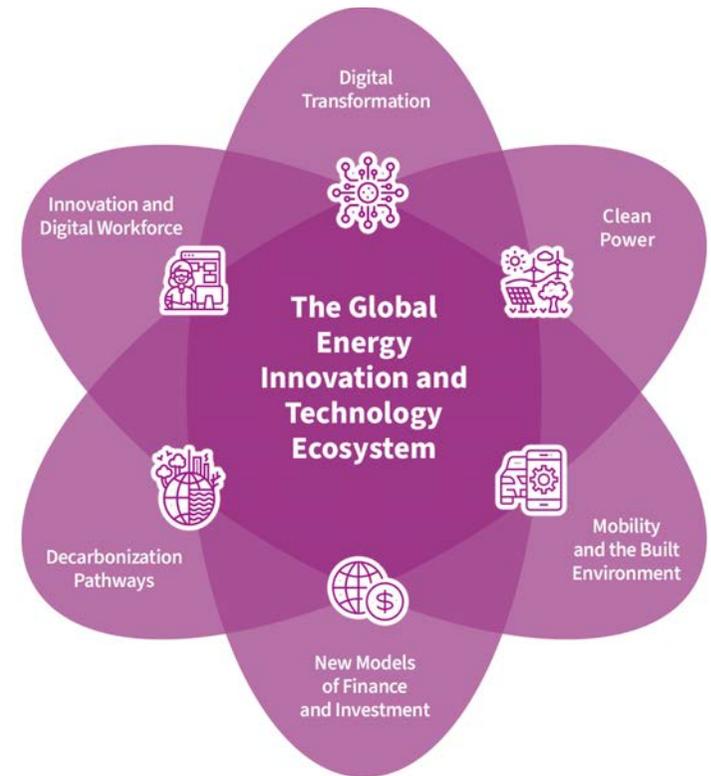
Innovation Agora @ CERAWeek

The Innovation Agora @ CERAWeek fosters energy innovation and advances solutions to the world's greatest energy and sustainability challenges. The Agora provides an open marketplace for ideas, dialogue, new experiences, and connections. We are proud to host this exciting community of start-ups, technologists, investors, academics, energy companies and government officials – all dedicated to shared learning and exploration.

The program features unique formats, interactive dialogue, and conversations:

- Decarbonization Pathways
- Digital Transformation Technologies
- Mobility and the Built Environment
- Clean Power Technologies
- Innovation and Digital Workforce
- New Models of Finance and Investment

Our Virtual Agora Studios and Voices of Innovation included thought leaders, executives, and technologists driving change in the industry.



AGORA-X

Quick Stats



Key Themes

- **Decarbonization Pathways:** Hydrogen, CCUS, nuclear, storage, more
- **Digital Transformation Technologies:** Technologies, analytics, AI, ML, and cyber security
- **Mobility & Built Environment:** Vehicles, buildings, city of the future, and mobility
- **Innovation and Digital Workforce:** Diversity and inclusion, talent, and building innovation ecosystems
- **Clean Power Technologies:** Advanced technologies, renewables integration, and new supply chains
- **Models of Finance and Investment**



Agora Studio

How Will the Energy Innovation Ecosystem Evolve?

(from left) **Timothy Gardner** (Chair), Vice President, Power and Gas Consulting, IHS Markit;

Barbara Burger, President, Chevron Technology Ventures, Chevron Corporation;

Ashley Grosh, Vice President, Breakthrough Energy; and

Ilan Gur, Chief Executive Officer, Activate

Key Innovation Agora Speakers (select)



Susan Hockfield

President Emerita
& Professor of
Neuroscience, MIT



Ernest J. Moniz

President & Chief
Executive Officer, Energy
Futures Initiative



Walter Isaacson

Author and Professor
of History, Tulane
University



Barbara Burger

President, Chevron
Technology Ventures,
Chevron



Noubar Afeyan

Co-Founder &
Chairman of Moderna
and Founder & CEO,
Flagship Pioneering



Emily Reichert

Chief Executive Officer,
Greentown Labs



Nasir Hj Darman

Chief Technology
Officer, PETRONAS



Pratima Rangarajan

Chief Executive
Officer, OGCI Climate
Investments



Alan Nelson

Chief Technology Officer,
Abu Dhabi National Oil
Company (ADNOC)

Key Innovation Agora Speakers (select)



Dr. Sunita Narain

Director General,
Centre for Science and
Environment (CSE)



Ahmad O. Al-Khowaiter

Chief Technology Officer,
Saudi Aramco



Karl Johnny Hersvik

Chief Executive Officer,
Aker BP ASA



Shalanda Baker

Professor of Law, Public
Policy and Urban Affairs,
Northeastern University
School of Law, Co-Founder
& Co-Director, Initiative for
Energy Justice



Craig Hayman

Chief Executive Officer,
AVEVA



Bhushan Ivaturi

Senior Vice President,
Technology & Chief
Information Officer,
Enbridge Inc.



Maria Zuber

Vice President for
Research & E. A. Griswold
Professor of Geophysics,
MIT and Co-Chair,
President's Council of
Advisors on Science and
Technology (PCAST)



Diego Díaz Pilas

Global Head of
Ventures & Technology,
Iberdrola



Randy MacEwen

President & Chief
Executive Officer, Ballard
Power Systems Inc.

Key Innovation Agora Speakers (select)



Demosthenis Pafitis

Chief Technology Officer,
Schlumberger



Morag Watson

Vice president & Chief
digital innovation
officer, bp p.l.c.



Jon Hirschtick

Executive Vice President,
General Manager
Onshape and Atlas, PTC



Jennifer Holmgren

Chief Executive Officer,
LanzaTech



Laura Anderson

Senior Vice President,
Controls and Digitalization,
Siemens Energy



Jordan Ramer

Founder & Chief
Executive Officer,
EV Connect



Michl Binderbauer

Chief Executive Officer,
TAE Technologies



**Dr. Shahidah Mohd
Shariff**

Head, Technology
Research & Chief Executive
Officer, PETRONAS
Research



Maria Korsnick

President & Chief
Executive Officer,
Nuclear Energy
Institute

Agora Program Highlights

Agora Studios

- What Color Is My Hydrogen?
- The Future of AI & ML in the Oil & Gas Industry
- CCUS: Can it scale?
- What Happens to Mobility in the Post-pandemic World?
- Conversations in Cleantech: Powering the energy transition
- New Technologies for Measuring & Reducing Methane
- Utility-scale Batteries & Storage: What's ahead?
- Robots in the Energy Value Chain: What's ahead?
- EV Charging Infrastructure: Conquering range anxiety
- How Will the Energy Innovation Ecosystem Evolve?
- Digital Innovation & Grid Resilience
- Is Fusion Ready for Prime Time?
- New Frontiers for Manufacturing in a Low-carbon World
- How Is the Acceleration of Digital Technology Transforming Energy?
- Powering Decarbonization Through Artificial Intelligence



Agora Studios



New Technologies for Measuring & Reducing Methane

(from left) **Eleonor Kramarz** (Chair), Consulting Executive Director, IHS Markit;

Steve Hamburg, Chief Scientist, Environmental Defense Fund;

Daniel Droog, Vice President, Energy Transition, Chevron Corporation; and

Stéphane Germain, Chief Executive Officer, GHGSat Inc.



Utility-scale Batteries & Storage: What's ahead?

(from left) **Julian Jansen** (Chair), Associate Director, Consulting – Clean Technology & Renewables, IHS Markit;

Johannes Rittershausen, Chief Executive Officer, Convergent Energy + Power;

Andrew Tang, Vice President, Energy Storage & Optimisation, Wärtsilä; and

Roger Lin, Board Director, ESA

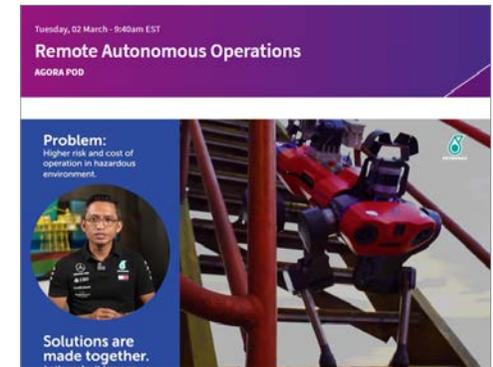
Agora Pods – Featuring exciting technology and innovative solutions

- The Future of Work & Safety with AI
- Rapid Manufacture of Perovskite PV Cells
- Global Emissions Monitoring from Space
- Harvesting the Coldness of the Universe
- Hydrogen Evolves from Promising to Possible
- Remote Autonomous Operations
- Chemistry Enables the Future of Mobility



ABB | The Future of Work & Safety with AI

Presented by **Matilda Steiner-Arvidsson**, Global Digital Product Manager, ABB Inc.



PETRONAS | Remote Autonomous Operations

Presented by **Shah Rizal Dahlan**, Head, Group Technical Solutions (GTS) & Head, Planning & Corporate Services (P&CS), PETRONAS

Lyceum Labs – Interactive learning sessions with thought leaders and innovators

- Faster, Cost-effective, Renewable Energy Development
- How AI & ML Are Transforming Industrial Operations
- SPACS: Funding the future of energy innovation?
- Cybersecurity: Protecting the digital energy ecosystem
- A Clean Energy Future: Modeling using open source data & models



SPACS: Funding the future of energy innovation?

Presented by **John Traugott**,
Managing Director, Credit Suisse



Faster, Cost-effective, Renewable Energy Development through Transition & Leveraging Technology

Presented by **Mary Quaney**, Group
Chief Executive Officer, Mainstream
Renewable Power

Private Programs: Leadership Circle Summits

Invitation-only opportunities to Partners for executive dialogue and engagement. These events are open to CERAWeek delegates according to partnership, seniority, and relevance and are carefully curated to maintain a high level of seniority and targeted programming. The Private Programs include Leadership Circle Summits & Forums, Energy Partner Informal Conversations (EPIC) meetings, and Private Partner Briefings.



The **CERAWeek Leadership Circle** is a series of private, interactive dialogues for senior-level executives that meet under Chatham House Rule. Through this series of dialogues, industry executives have an opportunity to participate in focused, highly interactive, off-the-record discussions tackling critical issues shaping the energy future.



The Leadership Circles include:



Cleantech Summit explored different views on future development of clean technologies and their role in supporting the decarbonization of the economy.



Downstream Summit discussed challenges faced by the downstream industry as well as how to plan ahead as the energy transition accelerates.



Climate & ESG Summit discussed what is meant by “Paris-aligned” strategies and metrics, shortcomings of existing methodologies, and how energy companies can help financial institutions accurately assess climate and ESG-related risks and opportunities.



Gas & LNG Summits included lessons of the COVID crisis for the gas industry and the evolution of the commercial model for project developments.



Mobility Summit

Mobility Summit explored how the world's net-zero ambitions drive change throughout the mobility/transportation sector from the perspective of the wider mobility drivers of change beyond the electric vehicle.



Power & Renewables Summit

Power & Renewables Summit discussed the role of consumers in power markets along with the tug of war between utility-scale and distributed resources.



Upstream Summit

Upstream Summit addressed strategies for the future of the Upstream business as well as the factors that will define and drive those strategies.



Upstream Technology Summit

Upstream Technology Summit explored aspirations to rapidly develop, deploy, and scale up solutions to deliver material impacts over the short to medium term and identified areas of further collaboration.



Digital Forum

Digital Forum discussed digitalization across energy and how to drive ongoing efficiencies, lower emissions, and ease the energy transition to ensure its success going forward.



Energy Innovation Forum

Energy Innovation Forum discussed how energy innovation becomes transformative: exploring the range of private and public initiatives needed to move from innovation to transformation of energy systems.



Energy Investment Forum

Energy Investment Forum discussed the new capital market reality that's emerging for energy investors along with capital markets because of the accelerated decapitalization of the oil and gas industry.



Regional Forums

Regional Forums focused on regional energy issues through the Africa Energy & Economy Forum, Asia-Pacific Energy Ministerial Forum, and the Latin America Forum.

Regional Forums

Asia-Pacific Energy Ministerial Forum

On March 2, 2021, IHS Markit convened senior officials from business and government for the first Asia-Pacific Energy Ministerial Forum as part of CERAWeek 2021. Leaders from government and the energy industry exchanged high-level insights on policy and strategy and probed challenging issues around the future of energy in the world's most economically dynamic and fastest-growing region. The Forum supported the vision of Asia-Pacific countries to develop net-zero pathways to 2050 and to collaborate on policy, technology, and financing solutions to achieve them.

Ministers:



Hon. Angus Taylor

Minister for Energy and Emissions Reduction, Australia



Dr. Tawfiq-e-Elahi Chowdhury

Adviser to the Hon'ble Prime Minister for Power, Energy and Mineral Resources, Bangladesh



Hon. Shri Dharmendra Pradhan

Minister of Petroleum & Natural Gas and Minister of Steel, India



H.E. Arifin Tasrif

Minister of Energy and Mineral Resources, Indonesia



H.E. Udaya Gammanpila

Minister of Energy, Sri Lanka



H.E. Dr. Victor da Conceição Soares

Minister of Petroleum and Minerals, Timor-Leste

Regional Forums

Latin America Forum

On March 3, 2021, IHS Markit held a Latin America Forum with participants active in the region. Attendees included ministers and other senior government officials, regulators, presidents, CEOs, and senior representatives of international energy companies and financial institutions. The discussion was divided into two parts: public policies for energy transition in Latin America and the role of the private sector in achieving competitiveness and sustainability in the region. The goal was to capture the vision – and critical differences – among the gathered energy leaders for the future of energy transition in Latin America.

Participating government officials included:



Hon. Iván Duque Márquez

President, Republic of
Colombia



**Minister Bento
Albuquerque**

Minister of Mines and
Energy, Brazil



H.E. Rocío Nahle García

Minister of Energy, Mexico



H.E. René Ortíz

Minister of Energy and
Renewable Natural
Resources, Ecuador

Regional Forums

Africa Energy and Economy Forum

On March 3, 2021, IHS Markit convened the Africa Energy and Economy Forum for a private, interactive discussion between public and private sector leaders about the energy transition and how it relates to Africa. Participants included ministers, presidential advisors, and C-suite executives across Africa. The Forum, held according to Chatham House Rule, was divided into two parts: public policies targeting the hydrocarbon sector for the energy transition, and the alignment of the energy development imperative with a post-COVID recovery and broader economic transformation.

Key questions discussed included:

- How to promote low-carbon energy initiatives while protecting jobs and revenue that the region's hydrocarbon sector generates?
- What technologies can be deployed to meaningfully address the region's pervasive energy and economic poverty?
- How are ESG concerns affecting access to finance for strategic projects?
- How will African Continental Free Trade Area (AfCFTA) impact the region's energy sector?
What can governments do to improve competitiveness and drive investment post-COVID and in alignment with an energy transition?
- What strategies can governments adopt so that energy sector development and industrialization initiatives complement and reinforce one another?



Regional Forums

Africa Energy and Economy Forum (continued)



Akim Daouda

Chief Executive Officer
Gabonese Sovereign
Wealth Fund (FGIS)



John Lewis

Managing Director
Aggreko Africa



Papa N'Diaye

Head of the Regional Studies
Division in the Africa Department
International Monetary Fund



Omar Farouk Ibrahim

PhD. Secretary General
African Petroleum Producers'
Organization (APPO)



**Hon. Gabriel M. Obiang
Lima**

Minister of Mines &
Hydrocarbons, Equatorial
Guinea



Osam Iyahen

Senior Director & Head of
Natural Resources Africa
Finance Corporation (AFC)



Omar Mithá

Economic Advisor, Advisory
Council to the President,
Filipe Nyusi Mozambique

Energy Partner Informal Conversations

Energy Partner Informal Conversations (EPIC) meetings provide a space for executives to engage in informal dialogue with senior public officials in a relaxed, informal setting. We hosted nine EPICs during CERAWEEK.

EPIC meetings were held with the following government officials:



Secretary John Kerry

Special Presidential Envoy
for Climate, United States



Commissioner Allison Herren Lee

United States Securities and
Exchange Commission



Commissioner Kadri Simson

Commissioner for Energy and
Represents the European Commission



H.E. Rene Ortíz Durán

Minister of Energy and
Renewable Naturals, Ecuador



H.E. Diego Mesa

Minister of Mines and Energy,
Colombia



Armando Zamora

President, ANH, Colombia



H.E. Nurlan Askarovich Nogayev

Minister of Energy,
Kazakhstan



H.E. Magzum Mirzagaliev

Minister of Ecology,
Geology and Natural Resources,
Kazakhstan



H.E. Rodolfo Saboia

Director General, National
Agency of Petroleum, Brazil



Dr. Bruno Eustáquio

Deputy Executive Secretary,
Ministry of Mines and
Energy, Brazil



Dr. Rachel McCormick

Consul General, Canada

Future Energy Leaders

The Future Energy Leaders (FEL) program brings promising energy professionals to CERAWEEK to engage with industry leaders in real-time learning and networking opportunities. FEL candidates, chosen by virtue of their high potential as future leaders of the industry, are nominated by CERAWEEK Partners and supporting organizations. FELs form a unique community, building relationships that last throughout their careers.

Quick Stats



Participants:

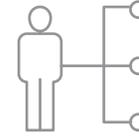
164



Countries
represented:

12

Argentina, Brazil, Canada, France, India,
Malaysia, Nigeria, Norway, Spain, UAE, UK, USA



Program
Sessions:

7

Future Energy Leaders - Speakers



Ashley Grosh

Vice President, Breakthrough Energy



Robert Armstrong

Director, MIT Energy Initiative and Chevron
Professor of Chemical Engineering,
Massachusetts Institute of Technology



Kenneth Medlock

James A. Baker, III, and Susan G. Baker
Fellow in Energy and Resource Economics,
Baker Institute and Senior Director, Center
for Energy Studies, Rice University



Forest L. Reinhardt

John D. Black Professor of Business
Administration, Harvard Business School

Women in Energy

Women in Energy (WIE) is committed to actively promoting diversity in the energy industry. CERAWeek and our Partners embrace an inclusive environment as the foundation to strengthen the energy sector. We take pride in cultivating a community in which diversity can flourish. WIE identifies and celebrates Women Leaders through networking receptions, panel discussions, and conference programming in the Executive Conference and Innovation Agora.

– Women’s Leaders Panel

– Networking Reception

Women in Energy - Preeminent Speakers

Women’s Leadership: Energy, science, technology, and government



Leanne Todd
(Chair) Senior Vice President, Upstream Energy, IHS Markit



Enoh T. Ebong
Acting Director, U.S. Trade and Development Agency



Maria Pope
President & Chief Executive Officer, Portland General Electric



Maria Zuber
Vice President for Research & E. A. Griswold Professor of Geophysics, MIT and Co-Chair, President’s Council of Advisors on Science and Technology (PCAST)

Conversations in Cleantech: Powering the energy transition



Edurne Zoco
(Chair) Executive Director, Clean Energy Technology, IHS Markit



Emily Reichert
Chief Executive Officer, Greentown Labs



Katie Sloan
Director of eMobility, Southern California Edison



Angela McKane
Vice president, technology insight, launchpad & ventures, bp p.l.c.



Antonia Bullard
Senior Associate, IHS Markit



Amanda Eversole
Executive Vice President & Chief Operating Officer, API



Hon. Gina McCarthy
National Climate Advisor, The White House

Community Pages

Community pages are a space where like-minded individuals discuss interests based around larger and relevant topics. Eight Communities at CERAWeek 2021 hosted Meet-Ups to discuss thought-provoking and engaging content.

CERAWeek 2021 Community Pages



**Climate, ESG,
Sustainability**



**Diversity &
Inclusion**



**Downstream Oil
& Chemicals**



Gas & LNG



**Innovation &
Technology**



**Power &
Renewables**



**Transportation &
Mobility**



**Upstream
Oil & Gas**



These conversations are hosted by IHS Markit experts and leading industry experts. These smaller, more intimate Meet-Ups allow attendees to interact in real-time with the presenters and each other. These communities also offer several opportunities to further engage attendees on current events occurring in the respective business lines.

Partnership

CERAWeek Partners help to build a culture of idea exchange, learning, and relationship-building between industry, government, and society to secure the global energy future.

The program integrates branding, knowledge contribution, media support, delegation support, hosting, and networking into a single, tailored strategy that supports the Partner's objectives.

Partner Benefits

- ✓ High-level engagement before, during, and after the conference
- ✓ Maximized impact and experience of your executives' participation
- ✓ Support by the CERAWeek Executive Steering Committee and a team of dedicated CERAWeek Partner Liaison Managers

This unique platform creates an opportunity for Partners to deepen relationships with key stakeholders, developing and sharing ideas and thought leadership, while enhancing their visibility and profile. CERAWeek Partners also benefit from access to exclusive CERAWeek private programs, networking, and meeting spaces. The former are reserved exclusively for CERAWeek's senior-most participants, providing an invitation-only track of designated professional communities. These interactive sessions draw on Partners' expertise and thought leadership contributions.

Partnership @ CERAWeek

Foundational



Morgan Stanley

Strategic



Occidental Petroleum



PETRONAS



Industry



Agora Partners



The CERAWeek Partner community represents



\$7.77 trillion
in Total Financial Assets
under management



\$5.8 trillion
in market capitalization



\$55.79 billion
in annual R&D budgets



\$53.50 billion
in academic endowments



54
firm CO₂
reduction plans



18
countries



3.4 million
employees

Engage with the CERAWeek community throughout the year

CERAWeek Conversations

CERAWeek Conversations—with senior executives, government officials, thought leaders, academics, technology innovators, and financial leaders—offer insights on the energy future and timely perspectives on critical issues and responses in the wake of the global pandemic and oil price volatility.

CERAWeek Conversations advance the latest discussions and debates by industry leaders on what's timely and vital for the energy industry and keep a finger on the pulse of technologies and the future of work, leadership, diversity, and inclusion.

View CERAWeek Conversations at www.ceraweek.com or on your favorite podcast channel.



5th India Energy Forum by CERAWEEK

20-22 October 2021. New Delhi + Virtual.

Entering our fifth anniversary, the India Energy Forum by CERAWEEK convenes an international community of 5,000+ delegates for dialogue and exchange of ideas from 400+ organizations across 45 countries. Previous participants have included Indian and international federal government ministers, regulatory heads, chief executives of Indian and international energy companies, and senior officials and thought leaders from across the technology, finance, automotive, petrochemical, environmental, and civil society spectrum. Discussions have ranged from key insights into the energy future and India's role in a world of transition to the country's hotbed of innovation and technology and its ecosystem for start-up enterprises that are transforming the energy landscape.

With the growing significance of climate and sustainability, this Forum provides an integrated platform for stakeholders across value chains and highlights the role of policies and regulations to enable goals of the energy transition in India, Asia, and the interconnections with global energy. For his inaugural address at the 2020 India Energy Forum, Prime Minister Narendra Modi outlined India's path to energy sustainability before leading his annual roundtable with CEOs of global energy organizations, which was held alongside the India Energy Forum.

For more information, go to **indiaenergy.ceraweek.com**.

40th CERAWeek

7-11 March 2022. Houston, TX + Virtual.

We look forward to welcoming you in person at CERAWeek, as we celebrates its 40th anniversary in Houston, 7-11 March 2022.



For more information, contact:

Todd Szczebak

Executive Director - CERAWEEK

Mobile 617 413 2034

Email todd.szczebak@ihsmarkit.com

Martha O'Connor

Executive Director - CERAWEEK

Mobile 617 413 2049

Email martha.oconnor@ihsmarkit.com

Nirmal Shani

Head of Asia Pacific - CERAWEEK

Mobile +91 981 928 1345

Email nirmal.shani@ihsmarkit.com

Daniel Berkove

Head of Africa & Levant – CERAWEEK

Mobile +972 54 481 8580

Email daniel.berkove@ihsmarkit.com

ceraweek.com

About IHS Markit

IHS Markit (NYSE: INFO) is a world leader in critical information, analytics and solutions for the major industries and markets that drive economies worldwide. The company delivers next-generation information, analytics and solutions to customers in business, finance and government, improving their operational efficiency and providing deep insights that lead to well-informed, confident decisions. IHS Markit has more than 50,000 key business and government customers, including 80 percent of the Fortune Global 500 and the world's leading financial institutions. Headquartered in London, IHS Markit is committed to sustainable, profitable growth.

ihsmarkit.com