



# CLEAN ENERGY MINISTERIAL

## Advancing Clean Energy Together

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### CEM Matters #8 November 2020

Welcome to the **CEM Matters** November newsletter.

In what can only be described as an unprecedented year, the CEM community has adapted to the constrained circumstances and excelled in continuing to advance its work programme. The Eleventh Clean Energy Ministerial (CEM11) in September hosted by the Kingdom of Saudi Arabia was a highlight of this quarter, with outstanding support and contribution by the broad clean energy community. We are encouraged and inspired by the many CEM members who are making new commitments on clean energy and including clean energy projects in their economic recovery plans.

The CEM community is focused on the acceleration of transitions and ready to support CEM members, businesses, and people & communities to face the challenges and take advantage of the opportunities these present.

This issue includes [CEM11 Outcomes](#); [Spotlight on New CEM Initiative and Campaign](#); [CEM Community Activities](#); [CEM Workstreams News and Actions](#); and [Upcoming Events](#).

### Stay Connected – Subscribe to CEM Matters

If you are not already subscribed, you are warmly invited to directly subscribe to receive news and upcoming activities from the CEM Community: [SUBSCRIBE HERE!](#)



The 11<sup>th</sup> Clean Energy Ministerial (CEM11), hosted by the Kingdom of Saudi Arabia, was held 15-22 September 2020 with the theme of “**Supporting the Recovery, Shaping the Future**”. The week of events brought together an extensive global clean energy community, including a record number of Energy Ministers, which collectively represent 90% of installed clean energy capacity and more than 80% of global clean energy investments. All CEM11 events were live webcast and open to all for the first time. **Re-watch** the **CEM ministers’ interventions** at the ministerial plenary [here](#).

Sixteen side events preceded the ministerial plenary and covered a broad range of clean energy topics. These pre-events, included participation as speakers by 162 ministerial and high-level thought leaders from international organisations, think tanks, and civil society. They demonstrated the CEM community's coordinated international actions to support the near-term recovery and long-term clean energy future. **Re-watch CEM11 pre-events:** [Sustainable Recovery](#), [Circular Carbon Economy](#), [Energy Transition](#), [Long-Term Energy Scenarios](#), [Clean Energy Investment](#), [Smart Power System Integration](#), [EV](#), [Regional Energy Interconnection](#), [Industry Decarbonisation](#), [CCUS](#), [Hydrogen](#), [Bioenergy](#), [Nuclear](#), [Gender Equality](#), [Youth](#), and [Empowering People in the Clean Energy Transitions](#).

## Key CEM11 Outcomes

**New Zealand** joined the CEM;  
**Portugal** and **Poland** are committed to doing so at CEM12.

New workstream launches included the **Biofuture Platform Initiative** and the **Drive to Zero** campaign.

Four global thought-leader reports published: [Power Systems and EV Integration](#); [Key Financing Principles for Carbon Capture](#),

[C3E International Ambassadors](#) were introduced to the CEM community.

The UK launched its [Energy Transition Council](#).

Calls were made for the CEM community to explore **new activities** on:

[Utilisation and Storage; Flexible Nuclear Energy for Clean Energy Systems](#); and, [Scenarios for the Energy Transition: Global Experience and Best Practices](#).

**CEM workstream Awards ceremonies** were held for [C3E International](#), [ISGAN](#) and [EMWG](#).

Confirmation that the [Energy Management Campaign](#) has achieved **its goal of 500001 ISO 50001** certifications by 2020.

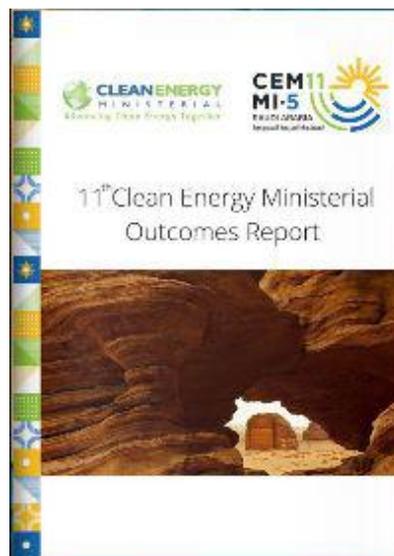
- Empowering people in the clean energy transition
- Efficient and clean energy in industry
- Clean recovery accelerator

**Chile confirmed it will host CEM12 in 2021.**

**[Read more about it](#)**

The virtual and fully transparent format of CEM11 is reflected in its innovative [Outcomes Report](#), produced for the first time in an eBook format. All events can also be viewed in summary or in full video format.

### **[CEM11 Outcomes Report](#)**



## **[Spotlight on New CEM Initiative and Campaign](#)**



### **Biofuture Platform Initiative**

The Biofuture Platform Initiative was launched at CEM11, building on the efforts since 2016 of the 20 member countries of the Biofuture Platform



### **Drive to Zero Campaign**

The Global Commercial Vehicle Drive to Zero was officially welcomed as a new campaign CEM11. Drive to Zero's goal is to drive market viability for zero-emission commercial vehicles in key vehicle segments in urban communities by

and its supporting organisations and partners.

The Initiative aims to raise international ambition and advance sustainable bioenergy and biomaterials production, trade, and use globally. It plans to achieve this through the development of policies and programmes to make sustainable bioenergy a key enabler in clean energy transitions and will be implemented in close partnership with the private sector.

All CEM members are warmly invited to join this new workstream and to contact [facilitator@biofutureplatform.org](mailto:facilitator@biofutureplatform.org) for further information.

A virtual All-Member Meeting is planned for 3 December, which will provide the opportunity to discuss and seek agreement on a number of important deliverables for 2020/2021. Meeting details to follow.

2025, and to achieve full market penetration by 2040.

“The announcement by several new nations to join the Drive to Zero campaign reflects a rapid growing awareness about the near-term commercial prospects of zero-emission trucks and buses. By joining the program and coordinating policies across nations, we’ll be able to more quickly achieve global economies of scale,” said John Boesel, President and CEO of CALSTART, the operating agent for the Campaign.

Canada, China, Chile, Finland, Germany, Japan, Netherlands, Norway and Sweden announced at CEM11 that they would work collaboratively – under the auspices of the Drive to Zero campaign and program – to grow zero-emission commercial vehicle manufacturing, infrastructure and deployment at home and globally. Additional members are most welcome to join.

More information [here](#).

## CEM Community Activities



### **G20 Energy Ministerial Meeting**

This year’s CEM11 meeting was held back-to-back with the virtual G20 Energy Ministerial meeting on 27 September 2020, also hosted by the Kingdom of Saudi Arabia under their G20 Presidency. At KSA’s invitation, the CEM has been more engaged in the G20 energy and climate tracks than ever before. The Head of the CEM Secretariat, Dan Dörner, presented the work of the CEM to G20 Energy Ministers, highlighting how CEM workstreams can be used as a vehicle to accelerate clean energy deployment and facilitate multilateral cooperation between G20 Members – almost all of which are participants in the CEM. The CEM Secretariat thanks Saudi Arabia for embracing the CEM fully into its G20 Presidency and looks forward to supporting the Italian Presidency next year.



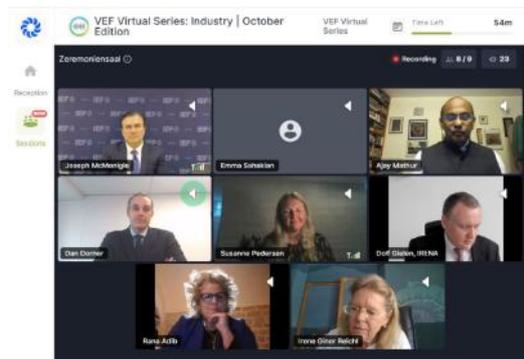
### **BRICS Energy Research Cooperation Platform Workshop – BRICS engagement in CEM**

The CEM Secretariat was invited by Russia as the current BRICS Chair to address the October BRICS conference on energy technologies on the role of BRICS in the CEM and clean energy. Presentations were also made by representatives from BRICS member governments and technical institutions, as well as international organisations. The recording of the event is available [here](#).



## Green Hydrogen Summit

At this event organised by Chile, CEM Secretariat moderated a panel on [“Coopetition: Navigating Through International Cooperation And Competition”](#). The event saw participation by IPHE, IADB, World Bank, IRENA and the Ministry for the Environment, Nature Conservation and Nuclear Safety, Germany. Chile used the occasion to launch their [Green Hydrogen Strategy](#). More information [here](#).



## Vienna Energy Forum Virtual Series: Energy-Industry Nexus

The CEM Secretariat was invited to the [Vienna Energy Forum](#) organized by UNIDO, to discuss the integration of sustainable energy in the industrial sector. The timely transformation of the energy-intensive industrial sectors is going to be critical to achieving our global energy and emissions goals. Dan Dorner highlighted the role of international collaboration by both governments and industry to help fast track this transition. While the leadership to bring about this change will have to be shown by the large industries, this would potentially have a significant impact on the small and medium sectors as well. Given the large number of stakeholders involved in defining the policies for driving action, there is also a need for greater coordination of actors. Participants included several key institutions (IEF, TERI, GGGI, REN21, IRENA, UNIDO) working on the topic and set up the theme for the VEF scheduled to take place in 2021.



## World New Energy Vehicles Congress

At the 2<sup>nd</sup> [World New Energy Vehicle Congress](#) (WNEVC 2020, 29 September) hosted by China, participants reaffirmed the goal of raising global market share of NEVs to 50 percent by 2035. In his opening speech, Dan Dorner highlighted several multilateral collaborations among CEM



## Suzhou 2050 Net-Zero Emissions Launch Ceremony

On 23 October the Suzhou Municipal Government in Jiangsu Province, China, launched the [“Suzhou 2050 Net-Zero Pathway Project”](#), supported by the UK-China Prosperity Fund Energy and [Low Carbon Economy Program \(CELCEP\)](#). The CEM Secretariat congratulated the Suzhou Government for its bold and forward-

members in the electric vehicles field, including CEM's [Electric Vehicles Initiative](#), [EV30@30 Campaign](#), [Drive to Zero Campaign](#), and the [power system and EV integration](#) work under the CEM.

## News From CEM Workstreams



### CEM's Work on Carbon Capture, Utilisation and Storage

The [CCUS Initiative](#) held its annual meeting on 28-29 September. Discussions included a members' policy round-table, information sharing among key CCUS organisations (IEA, IEAGHG, CSLF and GCCSI), dialogue regarding future priority projects with OGCI, discussion on next steps with the finance work, as well as linking with key energy-intensive industries such as cement and steel. The Initiative intends to keep providing a key platform that can bring together and facilitate the collaboration with government, industry and the financial sector.

In early November CEM CCUS Initiative had its monthly meeting. CEM CCUS Initiative welcomed India at this meeting and looks forward to engaging with India on a regular basis. South Africa provided an update on its CCUS-related activities and progress. All CEM CCUS Initiative webinar recordings can be accessed through the [Clean Energy Solutions Centre](#) website and [YouTube](#) channel. The webinar slide materials are available [here](#).



### CEM's Work on Gender Equality

The CEM's work on gender under [C3E International](#) continues to go from strength to strength following the CEM11 side event, '[Women in Energy: Harnessing All Talent](#)' which was one of the most viewed events of the

leaning leadership in clean energy and net-zero emissions. The CEM Secretariat looks forward to supporting Suzhou and showcasing Suzhou's project in the CEM community.



### CEM's Work on Nuclear Energy

In October, the [NICE Future initiative](#) sponsored an event focussing on how to **inform and inspire the next generation** to pursue a career in STEM, from kindergarten to 12<sup>th</sup> graders. The event was co-sponsored by the American Nuclear Society (ANS) and the International Youth Nuclear Congress (IYNC). It explored diverse energy, science, and engineering solutions, including nuclear energy technology solutions, for clean, reliable future energy systems. This event was also rebroadcast on 7 November with additional introductory comments for educators. Please [contact](#) the NICE Future initiative if you would like more information about the resources related to this event.



Some recent successes include the launch of an exciting new webinar series, '[Women in Clean](#)

Ministerial programme. Following CEM11, C3E International is keen to engage more CEM Members and partners in its work so please [get in touch](#) to find out more about how to engage on this important topic over the coming months. More information can also be found on the recently launched C3E International [website](#).

Since CEM11, the [Equalby30](#) campaign has also welcomed new members and now counts 153 signatories from governments, the private sector and non-profit organisations in 20 countries worldwide. The campaign has also developed a [reporting framework](#) to help organisations and governments measure their progress on gender equality commitments and to create a baseline of gender-disaggregated data for the energy sector.



#### CEM's Work on Appliance Energy Efficiency

The virtual [SEAD](#) workshop was jointly organised by IEA, India's Bureau of Energy Efficiency and the Government of the UK. It provided policy makers and experts in the field of product efficiency the opportunity to discuss the current state of play of product energy efficiency in India, and to explore potential avenues for increasing the level of commitment to more efficient product use across the region. Speakers from BEE, UK High Commission, IEA ELCOMA, EESL, and Blue Star joined the discussions.



#### CEM's Work on Smart Grids

[ISGAN](#) held its 20th Executive Committee Meeting on October 27-29. Brazil has joined ISGAN as its newest member. Israel has also expressed interest in joining ISGAN. Many thanks to Mr. Cyro Vicente Boccuzzi, president of the Latin American Smart Grid Forum for his support.

*Energy Wednesdays'* under the Ambassador and Mentorship pillar led by the US. The webinar series began on 21 October with a spotlight on Rwanda and can be viewed [here](#). Would you like your country to be featured later in the series? If so, please [contact us](#) for more information!



Through the SEAD Initiative, the IEA is working closely with the UK Government and the Government of India to encourage a higher level of ambition on product efficiency from now, through to COP26 and beyond. More details here: <https://www.iea.org/events/sead-initiative-workshop-for-india>



This commitment was announced at the CEM 11 where ISGAN and PSF jointly organised a workshop "A Holistic Approach to Low Emission Energy Systems through the Sector Integration". At the workshop Mr. Luciano Martini, Chair of

The highlight of ExCo 20 was the proposal of a new Annex 9: Flexibility Markets – development and implementation. This new Annex plans to establish links with the CEM PSF campaign, especially in light of the agreement between ISGAN and PSF to reinforce their collaboration to accelerate smart digital power infrastructure.



### CEM's Work on Regional Power Systems Interconnection

On 28 October, the [Regional and Global Energy Interconnection Initiative \(RGEI\)](#) organised its 9th 2020 knowledge series webinar. The speaker was Dr. Fraser Thompson, the Co-Founder and Chief Strategy Officer of [SunCable](#), which is creating the world's largest solar PV project based in Australia's Northern Territory, with an undersea cable providing renewable energy to Southeast Asia.

ISGAN, and Mr. Enrique Gutierrez, Operating Agent of PSF, announced the strong cooperation of the initiatives they represent, targeting the development of innovation on flexibility, digitalisation, regulatory frameworks, and market design of the future smart grids.



Dr. Thompson used SunCable's case to demonstrate how to mobilise private finance to develop undersea intercontinental clean electricity trade.

## Don't Miss - Upcoming Events

### Upcoming Events

#### Super-efficient

**Equipment Appliance Deployment Initiative** 12 November 15:00 – 16:30  
Workshop for Southeast Asia [Jakarta time].

This virtual SEAD workshop will provide policy makers and experts in the field of product efficiency the opportunity to discuss the current state of product energy efficiency in the ASEAN region and to explore potential avenues for increasing the level of commitment to more efficient products. Coordinated by the IEA and Government of UK, the event is expected to see participation from the ASEAN Centre for Energy, COP26 Regional Ambassador for Asia/Pacific and South Asia, Schneider Electric, ASHRAE Indonesia, among others. More details [here](#).

#### Super-efficient

**Equipment Appliance Deployment Initiative** 26 November 13:00 – 14:30  
Workshop for Sub-Saharan Africa [Central European Time].

This virtual SEAD workshop will provide policy makers and experts in the field of product efficiency the opportunity to discuss the current state of product energy efficiency in Sub-Saharan Africa, and to explore potential avenues for increasing the level of commitment to more efficient product use across the region. More details [here](#).

#### Biofuture Platform

**Initiative:** All-Member 3 December  
Virtual Meeting

Organiser contact information: [Facilitator@biofutureplatform.org](mailto:Facilitator@biofutureplatform.org)

**Electric Vehicles** 4 December  
**Initiative, EV30@30**  
**Campaign, and Drive to**  
**Zero Campaign:** Multiple  
meetings

- EVI Advisory Board Meeting
- 1st Drive to Zero Campaign participants meeting
- Launch of EV City Casebook and Policy Guide

Organiser contact information: [Marine.GORNER@iea.org](mailto:Marine.GORNER@iea.org)

### Hydrogen

**Initiative:** Advisory Group 10 December  
Meeting

Organiser contact information:

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