



ANNOUNCEMENTS AND OUTCOMES FROM THE 16th CLEAN ENERGY MINISTERIAL (CEM16)

25 -27 August 2025
BUSAN, SOUTH KOREA
PREPARED BY THE CEM SECRETARIAT



INTRODUCTION

The 16th Clean Energy Ministerial Meeting (CEM16) took place in Busan, Republic of Korea from 25 to 27 August 2025. The Ministerial Meeting was hosted by the Korean Ministry of Trade, Industry and Energy, supported by KEEI and KETEP, under the theme ‘Energising cooperation for a prosperous future’.

CEM16 was held during Busan’s “Energy Super Week” alongside the APEC Energy Ministerial Meeting and the World Climate Industry Expo 2025. This co-location offered a valuable opportunity for strengthening international cooperation and fostering public-private partnerships, enabling renewed multilateralism to accelerate global clean energy transitions efforts that leave no one behind.

CEM16 was a resounding success and the result of the combined efforts and dedication of all CEM members and the entire CEM community. With an impressive turnout of over **1,000** high-level policymakers, industry leaders, and key stakeholders from the Asia-Pacific and beyond, more than **50 technical and high-level side events** - including numerous ministerial sessions and ministerial-CEO dialogues, over **40 strong outcomes and 2 new member-led initiatives** underscored CEM's role as a powerful platform for global collaboration, knowledge sharing and advancing strategic collaboration toward scalable clean energy solutions.

The key highlight at CEM16 was the delivery of impact from emblematic deliverables and Ministerial priorities that were agreed previously at CEM15 – a commendable win for multilateralism in a geopolitically-tense year.

- **Future Fuels Action Plan:** Ministers, CEOs, and senior leaders from the CEM community came together to take stock of progress and continue to build momentum on three priority pillars of the Action Plan, including the mobilisation of demand creation by translating low-carbon objectives into demand for Future Fuels; advancing approaches to lifestyle carbon accounting based on transparency and collaboration between suppliers and prospective buyers; as well as enabling markets and infrastructure in support of a global value chain through market mechanisms and infrastructure development.
- **Action Agenda for Power System Solutions:** CEM16 brought together ministers, CEOs, and industry leaders to recognize progress and chart the path ahead for power system transformation. In the last year, many CEM workstreams and partners have collaborated to advance both domestic priorities and COP and G20 priorities in power sector transformation, in particular noting an improvement in planning and investment certainty; supporting modernizing and expanding transmission and distribution grids; unlocking power system flexibility; deploying e-mobility infrastructure; strengthening energy supply chain resilience and sustainability; and advancing a just and inclusive transition.
- **Enhanced Engagement with EMDEs:** CEM16, for the first time, was home to an active and high-level presence from several non-member EMDEs including Malaysia, Thailand and Philippines. Their presence across the three days highlighted their trust in the CEM as a unique platform to advance clean energy transitions in Southeast Asia, as demonstrated by the partnership created between the CEM and ASEAN Presidencies. A high-level roundtable discussion on energizing such partnerships also showcased how collaborative efforts with philanthropic foundations, particularly ClimateWorks Foundation and Tara Climate Foundation, are helping to align international energy transition goals with domestic energy priorities and presented opportunities for leveraging such partnerships for continued impact.

Given the progress that the CEM platform enables for its community, CEM16 also saw noteworthy announcements from countries targeting momentum building through new initiatives including -

- The **United States** announced its leadership and intent to set up two new CEM Initiatives dedicated to enabling access to modern and *clean cooking* and *geothermal energy*.



- **India** noted the global need to focus attention on deploying *efficient air conditioners* at scale to tackle heat stress and optimize power demand, with an intent to pursue a potential CEM campaign partnering with other CEM member countries interested in this topic.
- **Canada** used the opportunity to initiate a dialogue on pursuing *clean transport* efforts through CEM, recognizing ongoing efforts within CEM and outside on this important issue, and evaluating the need to align action.

CEM16 also saw the launch of a landmark **Declaration on Sustainable Lifestyles and Fairness** under the CEM Sustainable Lifestyles Campaign. Already endorsed by several CEM member countries and international organisations, this declaration cements a shared commitment to sustainable lifestyles and individual climate action as core drivers of the transition to clean energy.

Finally, CEM16 also featured the inaugural **CEM Regulatory Forum**, creating a rare opportunity for leaders from ministries and regulatory agencies to come together to shape a new set of regulatory policies that will aid in accelerating the energy transition. Hosted under the CEM Empowering Regulators Campaign, this meeting outlined pathways for policymakers and governments to empower regulators to advance decarbonisation.

In addition to the above, CEM16 delivered several outputs and marked progress in tangible outcomes including strengthened international collaboration and multilateral cooperation. This "Announcements and Outcomes" document highlights the wide range of deliverables and achievements brought to CEM16 by the CEM community, spanning geographies and various clean energy sectors.

Looking ahead, the CEM is excited to announce that the **next Ministerial will be hosted by the Kingdom of Saudi Arabia in October 2026** (exact dates to be confirmed). We expect that this meeting will be another significant culmination of progress that the CEM community will continue to drive over the coming months, building on strategic priorities in support of clean energy transitions.

We would like to thank the CEM Community once again for their invaluable contribution in making CEM16 Ministerial Meeting a monumental success and look forward to your continued involvement and support as we work together to address the pressing challenges of climate change and energy transition!



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ANNOUNCEMENTS

Launch of new CEM Visual Identity!

Last year at CEM15 in Brazil, we celebrated all that the CEM has achieved in its first 15 years as well as looked to the future of the CEM as a trusted implementation platform for the energy transition. This year, to reflect this inflexion moment on the CEM's history, [we launched a new CEM brand](#) with guidance from our members: a modern visual identity that reflects who we are, a flexible and inclusive platform dedicated to delivering on our members' vision for a shared energy future.



Kingdom of Saudi Arabia to host CEM17

During the CEM16 closing ceremony, the Kingdom of Saudi Arabia [announced](#) that it will host the CEM17 ministerial meeting in October 2026, alongside the World Energy Congress 2026. Further details and exact dates will be shared in due course.



New initiative on Clean Cooking launched by US, Saudi Arabia and India

The United States, alongside India and Saudi Arabia, announced a new CEM initiative dedicated to enhancing access to clean cooking fuels globally. The CEM Fueling Lives initiative seeks to increase access to clean cooking fuels, like LPG and ethanol, by facilitating the development of required infrastructure. Government leaders from several CEM member countries joined the United States' Minister-CEO roundtable on clean cooking to share their perspectives, including India, Saudi Arabia, Republic of Korea, South Africa, Netherlands, the European Commission, Canada, and United Kingdom.

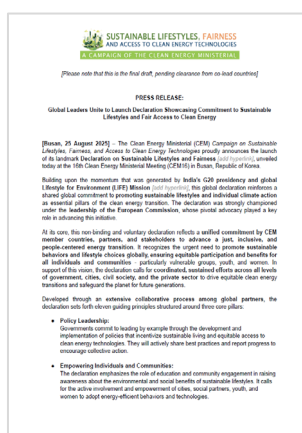


New CEM GeoFuture initiative launched by US, Japan and Saudi Arabia

The United States, alongside Saudi Arabia and Japan, announced the launch of a new CEM initiative on advancing geothermal energy. The new CEM GeoFuture Initiative seeks to accelerate next-generation geothermal power while also serving as a knowledge-sharing platform to advance geothermal heat pump deployment. Geothermal energy has significant potential to deliver affordable, reliable, and secure energy, yet it remains underrepresented in multilateral fora. This new initiative will leverage extractive industry expertise to identify resource availability, improve project financial viability and aim for greater high-level engagement to drive supportive policies.

Sustainable Lifestyles Campaign: Launch of New Declaration

Under the [CEM Campaign on Sustainable Lifestyles, Fairness and Access to Clean Energy Technologies](#), Global leaders launched the *Declaration on Sustainable Lifestyles and Fairness* at CEM16 in Busan, marking a milestone in advancing a just and inclusive energy transition. Building on India's G20 LiFE Mission and led by the European Commission, the declaration sets out guiding principles for policy leadership, community empowerment, and systemic transformation to ensure fair access to clean energy and promote sustainable living worldwide. The declaration was endorsed by the European Union, China, India, Brazil, Finland, Spain and Norway alongside key international organizations such as SEforALL, the Global Covenant of Mayors, the Clean Cooking Alliance, and the Hot or Cool Institute. [Read the full declaration here](#) the [official press release here](#).



Potential CEM effort on accelerating deployment of efficient air conditioners

During the closing plenary, India noted the global need to focus attention on deploying efficient air conditioners at scale to tackle heat stress and optimize power demand, with an intent to pursue a potential CEM campaign partnering with other CEM member countries interested in this topic.



Exploring new CEM effort on clean transportation

Further to a special CEM community event on 26 August, Canada intervened during the closing plenary to emphasise the central role of clean transport in global energy transitions. As the discussion at CEM16 made clear, CEM provides a vital forum for deepening collaboration between governments, industry and partner organisations from across the energy and transport sectors. Given strong interest from CEM members and partners, planning continues to lay the ground work for a potential new CEM workstream dedicated to accelerating the decarbonization of transportation through the deployment of clean transport technologies and Future Fuels.



CEM Future Fuels Community builds momentum towards G20 and COP30

At CEM16, the CEM Future Fuels Community discussed plans to maintain on the momentum created at CEM15 on realising the essential role of sustainable Future Fuels in global energy transitions. Building on the successful launch of the [CEM Future Fuels Action Plan](#) at CEM15, members reflected on progress implementing the 20 cross-sector actions to create demand for Future Fuels; promote coherent and transparent approaches to Lifecycle Carbon Accounting; and facilitate new markets and infrastructure.

Member countries, CEOs and other leaders from across the CEM Future Fuels Community:

- **Strengthened cross-sector engagement with transport and industry** by agreeing to new work on Future Fuels demand creation with key partner organisations such as the [International Transport Forum](#), [International Civil Aviation Organization](#), [International Chamber of Shipping](#), [UNIDO](#), and the [Mission Possible Partnership](#).
- **Initiated a new collaboration between the CEM Biofuture Platform and the CCUS Initiative** to build new networks and policy knowledge in support of low-to-negative emissions BECCS and e-fuels;
- **Initiated a new collaboration between the CEM CCUS Initiative and CEM-Hubs** to develop policy expertise and provide guidance to governments and industry on establishing ports and shipping infrastructure as hubs for carbon capture and storage;

Given this significant momentum, Brazil's COP30 Presidency welcomed CEM's continuing role as a key implementation platform for its priority objectives on sustainable fuels at Belém (see [below](#) for further details).

CEM ERAD Campaign organized inaugural CEM Regulatory Forum

The CEM16 Inaugural Regulatory Forum, organized by the CEM Empowering Regulators for Accelerated Decarbonisation Campaign (ERAD), brought together policy makers and regulatory agencies to discuss how to better align policy goals with regulatory action for the clean energy transition. The Forum saw strong participation from ASEAN countries. The session also marked the launch of a joint [RAP–CEM Empowering Regulators Campaign report](#), outlining pathways for governments to strengthen regulators' role in advancing decarbonisation.



Equalby30 campaign welcomes South Africa and India Smart Grid as newest members

At the high-level side event 'Generating Change: Women's voices in the energy transition' at CEM16, Equalby30 announced that South Africa and India Smart Grid are joining as new members, committing to prioritize gender equality in their energy transition and the implementation of the Inclusivity Framework. Read more about the Campaign and Inclusivity Framework here: [Equal by 30](#) and [Implementing Inclusivity Framework](#)



LTES welcomes Guatemala, Pakistan and Economic Commission for Latin America and the Caribbean

Guatemala and Pakistan have recently joined the CEM LTES Network, expanding its membership to a total of 33 countries. In addition, ECLAC/CEPAL has joined the network as a technical partner, further strengthening its capacity to support long-term energy planning, knowledge sharing, and international collaboration in advancing sustainable energy transitions. Read more about [LTES Membership and outcomes here](#).



India becomes newest member of the CEM CCUS Initiative

India confirmed its decision to join the [CEM CCUS Initiative](#), bringing the total number of countries to 17. India's membership of the CCUS Initiative builds on its participation in the joint [CEM-MI Gigatonne by 2030 Campaign](#), which targets 1 gigatonne of carbon sequestration globally by the end of the decade. India's decision was warmly welcomed by CEM CCUS members.



Algeria joins the CEM Hydrogen Initiative's International Hydrogen Trade Forum

Algeria confirmed its decision to join the [International Hydrogen Trade Forum](#) (IHTF). Convened under the [CEM Hydrogen Initiative](#), the IHTF now consists of 15 CEM members and non-member countries focused on scaling-up trade and investment across the hydrogen value chain. Members look forward to working closely with Algeria.



Sustainable Lifestyles Campaign welcome new members

The Sustainable Lifestyles Campaign expanded its membership, now including Spain, Finland, Brazil, Hot and Cool Institute, Clean Cooking Alliance, and SDG7 Youth Constituency.



Investment and Finance Initiative Graduation

The Investment and Finance Initiative was graduated at CEM16. Since its launch in 2018, IFI has successfully supported member countries by focusing on three key areas. It created a forum for *Peer Exchange and Outreach* to share best practices and engage with private investors. It also facilitated *Knowledge Development and Dissemination* by conducting analysis, monitoring investment trends, and providing analytical tools. Finally, through *Technical Cooperation and Capacity Building*, it responded to country requests for investment-related assistance and brokered partnerships to help with policy design and technical support.



CEM as an Implementation Platform

Implementation of the CEM Future Fuels Action Plan

The [CEM Future Fuels Action Plan](#), launched at CEM15 and endorsed by 9 CEM members, sets out concrete actions to accelerate the deployment of sustainable Future Fuels. **Implementation** is carried out through existing and new **CEM workstreams** that aim to create new demand for Future Fuels, promote coherent and transparent approaches to Lifecycle Carbon Accounting, and facilitate the markets and infrastructure necessary to trade and move Future Fuels at scale.

20 cross-sector activities are being implemented to accelerate the deployment of all Future Fuels including sustainable biofuels and clean hydrogen and its derivatives (ammonia, e-fuels, e-methane). Actions consist of knowledge sharing, coalition building, publications, and awards.

In this context, **CEM16 marked a milestone** in showcasing progress on the Action Plan. Ministers, CEOs, and industry leaders highlighted achievements and ongoing efforts. Key 2025 developments include:

- **Launch of consultations on new ISO Workshop Agreement** to accelerate carbon accounting for heavy industry products and low-carbon fuels as feedstocks;
- **Launch of new Hydrogen Action Plan** to promote accelerated deployment of low and near-zero emissions hydrogen in the lead-up to COP30;
- **Launch of policy recommendations for Future Fuels investment** by CEOs and other private leaders from across the [energy and maritime sectors](#) in the [CEM-Hubs Initiative](#);
- **Launch of new [carbon management glossary](#)** to promote a common understanding of key terms and technologies essential to the production of BECCS, e-fuels, and low-carbon industrial feedstocks;
- **Launch of the [Green Public Procurement Factsheet](#)** to provide governments with practical guidance on how to use public procurement to drive new demand for buildings with low-carbon materials and fuels;
- **Launch of a new report on Green Public Procurement and Ecolabels** to help governments harmonise environmental criteria across procurement for low-carbon materials and feedstocks;
- **2025 Hydrogen Awards of Excellence** to put a spotlight on *‘Hydrogen innovations and Technologies for Hard-to-Decarbonise Sectors and Sustainable Fuels’*;

CEM members and key partner organisations will continue to build on this recent success by providing an implementation platform for Future Fuels at upcoming international fora such as G20, G7, COP30, and beyond.

Advancing the CEM Agenda for Action on Power System Solutions

The [Agenda for Action on Power Systems Solutions](#), launched at CEM15 and endorsed by 28 CEM members, sets out concrete actions to accelerate investment in sustainable, secure, and resilient power systems. **Implementation** is carried out through new and existing **CEM workstreams** that aim to improve planning and investment certainty, modernize and expand transmission and distribution grids, unlock power system flexibility, deploy e-mobility infrastructure, strengthen energy supply chain resilience and sustainability, and advance a just and inclusive transition. **Over 30 activities are being implemented**, including technical assistance, knowledge sharing, publications, and awards.



In this context, **CEM16 marked a milestone** in showcasing progress on the Agenda for Action, bringing together Ministers, CEOs, and industry leaders to highlight achievements and ongoing efforts. Key 2025 developments include:

- **Launch of the Solar PV Manufacturing Cost Model**, supporting policymakers, investors, and industry in assessing policy impacts, identifying competitive advantages, and guiding strategic investments in resilient solar PV supply chains;
- **Inaugural CEM16 Regulatory Forum**, organized by the CEM ERAD Campaign, convening policy makers and regulatory agencies—including from ASEAN countries—to align policy goals with regulatory action for the clean energy transition;
- **Joint RAP–CEM Empowering Regulators Blueprint**, outlining pathways for governments to strengthen regulators’ role in advancing decarbonization;
- The launch of a **New CEM initiative** to accelerate **next-generation geothermal power**;
- **White paper “Exploring the Value of Electricity Storage: A Comprehensive International Overview”**, highlighting storage’s role in integrating renewables, improving grid reliability, reducing costs, enhancing resilience, strengthening energy independence, and lowering emissions;
- **Joint CEM–WEF publication** showcasing real-world use cases of responsible renewable deployment, balancing biodiversity, social inclusion, and system resilience;
- **2025 ISGAN Award of Excellence**, recognizing outstanding smart grid projects focused on “Solutions for Enhanced Grid Operation”;
- Strengthened CEM engagement with **ASEAN member countries** to support regional power system transformation.

Together, these efforts demonstrate tangible progress in advancing power system solutions and underscore the **continued leadership of CEM members** in driving the global clean energy transition.

Global Energy Transitions Forum (GETF) collaboration with the CEM

Recognising the strength of the CEM as an implementation platform, the European Commission organised a high-level roundtable of its flagship Global Energy Transitions Forum (GETF) that brought together governments, industry, and international organisations to drive progress to deliver on the COP28 agreement to triple renewables and double energy efficiency. The high-level meeting showed strong support and widening interest. Through the CEM Action Agenda for Power System Solutions, members and partners noted how they are already driving cooperation on renewables integration, grid flexibility, and cross-border collaboration, all critical to achieving the global goals of tripling renewables and doubling energy efficiency by 2030. This roundtable was a key milestone on the road to the Global Renewables Summit (New York) and COP30, helping shape concrete actions to expand clean electricity access, enhance system reliability, and accelerate decarbonisation worldwide.



Learn more about the CEM Power Action Agenda: [Agenda for Action on Power Systems Solutions](#)



Paving the way for enhanced Public-Private-Philanthropic Collaboration

The Clean Energy Ministerial facilitates and unlocks partnerships across the public, private and philanthropic siloes to help bring all hands-on-deck. Reaching global climate and energy goals requires strong collaboration across government, industry and financiers/funders, including philanthropy. While public-private partnerships have helped accelerate investments and deployment of clean energy, unlocking the support of philanthropies remains key to derisk investments and support policy and regulatory frameworks through enhanced governance capacities.

As part of its mandate to enhance EMDE capacities to better leverage the CEM community, CEM16 brought together high-level representation from governments, philanthropies and the private sector to unlock partnerships to support and accelerate clean energy transitions. At a high-level roundtable dedicated on *Accelerating Impact Through Public-Private-Philanthropic Partnerships*, discussions focussed on energizing such partnerships with representation from the ClimateWorks Foundation, TARA Climate Foundation, the Children's Investment Fund Foundation (CIFF), and NREL Foundation, all of whom noted that CEM is uniquely positioned to cut through the public-private-philanthropy divide to advance clean energy transitions. This event also showcased how ongoing efforts, with support from the [ClimateWorks Foundation](#) and [Tara Climate Foundation](#) are helping (see below) to align international energy transition goals with domestic energy priorities in Southeast Asia, driving real action, and opening new pathways for governments, philanthropies, and businesses to work together toward a cleaner, more sustainable future.



Strengthening EMDE engagement in CEM

Following ministerial guidance offered during the CEM15 Ministerial meeting in Brazil last year, CEM has embarked on a strategic priority to strengthen EMDE capacities, to ensure that they may benefit from the CEM platforms on an equal footing as other member countries. Within this context, CEM16 featured strong representation and participation from its EMDE member countries. Additionally, several non-member EMDE countries from Southeast Asia also joined CEM in Busan, building on efforts made in the past year (with support from the ClimateWorks Foundation and the TARA Climate Foundation) to enhance in-country capacity within the ASEAN region, towards a clean and just energy transition.

These efforts are in line with the larger EMDE engagements that CEM has been supporting and spearheading since its inception. Brazil, Chile, China, India, Indonesia, United Arab Emirates, Saudi Arabia and South Africa already have had a strong engagement at CEM, showcasing the equal opportunities that CEM enables across its developed and emerging economies members. Brazil continues to serve as the Co-chair for CEM in 2025, having hosted CEM15 in 2024, and India – CEM4 in 2013 and CEM14 in 2023. Such leadership has enabled both countries to maximize their ambition, as part of their G20 Presidencies, enabling them to use CEM as a platform to ensure implementation of the negotiated priorities. South Africa, as the current G20 Presidency, has also leveraged CEM workstreams to advance their priorities within the Energy Transition Working Group.

In addition to the highlights noted above, in the lead up to, and at CEM16, continued EMDE participation and leadership has been noted across CEM initiatives, reiterating the value of CEM as a platform to help drive the clean energy transition, in line with international ambitions and domestic priorities.



- Release of a summary outcome report from the CEM-Secretariat hosted workshop, *Accelerating A Just Energy Transition: Southeast Asia Sustainable Power Planning* which identified several actionable recommendations that advance the region's commitment to sustainability, inclusivity, and energy resiliency to make ASEAN a global model for collaborative and forward-thinking energy planning and regulatory frameworks. The report – and details of the workshop - can be accessed [here](#).
- A high-level side event hosted by the CEM Secretariat at CEM16, *Accelerating Impact Through Public-Private-Philanthropic Partnerships*, brought together EMDE Ministers, representatives from philanthropies, and private sector affirming their support and leadership towards public-private-philanthropic partnerships facilitated by CEM. Over the next months, through philanthropic support from the ClimateWorks Foundation and expertise curated by the CEM community, select ASEAN governments will be developing power sector action plans to showcase their ongoing efforts towards a clean



energy transition. Furthermore, through support of the TARA Climate Foundation, the CEM Secretariat will engage ASEAN member countries to learn from and build on the CEM community efforts towards an inclusive and more ‘just’ clean energy transition domestically.

- The CEM Secretariat and CEM-Empowering People Initiative, in collaboration with Tara Climate Foundation, hosted a ***High-level Roundtable on skills and workforce*** to strengthen partnerships on trainings and workforce development. The opportunities ahead for EMDEs within Southeast Asia were prioritised in discussions, and the ASEAN region as well as wider EMDE membership was invited to join EPI to benefit from knowledge and resource-sharing from the wider CEM communities.



- As participants to the ***High-level Roundtable on equality in energy transitions***, EMDEs affirmed their commitment to address the critical intersection of gender equality and the energy transition. Recognizing the challenges of integrating such goals into national policies, countries like the Philippines, Indonesia, and South Africa welcomed the practical guidance offered by the CEM community. EMDEs also noted the use of CEM platforms to explore strategies and best practices, particularly the **Equality in Energy Transition Initiative (EETI)** and the **Equal by 30 Campaign**. Also, Republic of South Africa as well as India Smart Grid Forum (ISGF) announced joining the Equal by 30 Campaign. Overall, by connecting with these initiatives, they can foster peer-to-peer learning and establish a strong network for knowledge sharing, which is essential for advancing a more equitable and inclusive clean energy transition in the ASEAN region.
- Under the CEM Campaign on Sustainable Lifestyles, Fairness and Access to Clean Energy Technologies, a new ***Declaration on Sustainable Lifestyles and Fairness*** was launched at CEM16 in Busan. This milestone in advancing a just and inclusive energy transition built on India’s G20 LiFE Mission and was led by the European Commission-- formally endorsed by several EMDEs including China, India, and Brazil, and South Africa supported the endorsement. Southeast Asian representatives attended the launch event, recognizing this CEM campaign as a mechanism to enhance knowledge sharing, particularly on the themes of fairness and access.
- As part of the ***CEM Supercharging Battery Storage Initiative*** a white paper “*Exploring the Value of Electricity Storage: A Comprehensive International Overview*” was launched at CEM16, underscoring the critical role of storage in integrating renewables, reducing curtailment, improving grid reliability, lowering costs, enhancing resilience, strengthening energy independence, cutting emissions, and improving



air quality— key for EMDEs but especially Southeast Asia as it continues its energy transition. Featuring best-case practices and case studies, the initiative opened an invite to all EMDEs to join, to showcase diverse solutions and shared lessons. This effort builds on the special report “[*Battery Storage Unlocked: Lessons Learned from Emerging Economies*](#)” launched at COP29 in Baku last year, featuring several case examples from EMDE countries on innovative financing mechanism for battery storage.

- EMDE countries, including Malaysia and Thailand, actively participated in the inaugural ***CEM Regulatory Forum***, creating a rare opportunity for leaders to come together to shape a new set of regulatory policies that will aid in accelerating the energy transition. Hosted under the CEM Empowering Regulators Campaign, this meeting outlined pathways for policymakers and governments to empower regulators to advance decarbonisation.
- Alongside 30+ Vice-Ministers, CEOs and other heads of Delegations at the ***High-Level Dialogue on Power System Solutions***, EMDEs including India, Brazil, South Africa, Thailand, Philippines, Indonesia underscored the unique challenges they are facing – and noted how a diversification across technologies as well as greater public-private collaboration is needed to support their energy transitions.
- Governments of the Philippines and Thailand also noted their interest in developing a **power sector action plan**.
- At the ***High-Level Dialogue on Future Fuels***, which convened 30+ Heads of Delegation, EMDEs including Brazil, South Africa, Philippines and Indonesia noted the economy-wide significance of sustainable fuels to meet their energy transition targets, and especially the co-benefits for employment and agriculture that sustainable fuels can help leverage.



Awards

ISGAN Awards

Each year, in partnership with the **Global Smart Energy Federation**, the **International Smart Grid Action Network (ISGAN)** presents the **Award of Excellence** to recognize outstanding smart grid projects, policies, and programs worldwide. The 2025 Award focused on *“Solutions for Enhanced Grid Operation”* and received nominations from 10 countries. Winning projects (Energy Networks Association from the UK with a project called “Energy Networks Association’s Open Networks Programme”) were selected by an independent international jury, based on impact, economic rationale, potential for replication, innovation, and broader benefits. The award aims to showcase leadership and innovation in smart grids, foster global knowledge exchange, and encourage the replication of proven solutions.



Hydrogen Awards

The [CEM Hydrogen Initiative](#), working closely with the [IEA Hydrogen TCP](#), was pleased to announce the 2025 Hydrogen Awards of Excellence at CEM16. The Awards of Excellence seek to promote innovation in hydrogen technologies and deployment – recognising outstanding hydrogen technology projects globally. This year’s awards put a spotlight on ‘Hydrogen Innovations and Technologies for Hard-to-Decarbonise Sectors and Sustainable Fuels. Congratulations to:

- 1st Winner: Novelis HyNet Industrial Fuel Switching – Robert Madden Novelis.
- 2nd Winner: COSMHYC DEMO / CSOMYC project series – Marie-Eve Reiner.



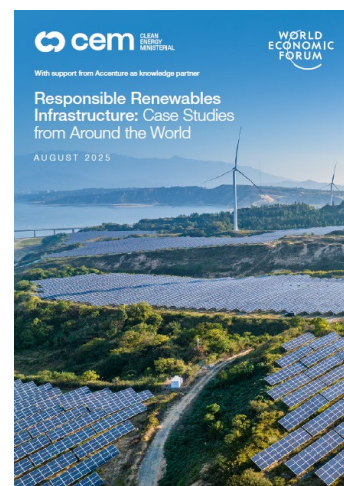
The awards were held as part of the [CEM16 Awards of Excellence Ceremony](#).



Knowledge Products

Joint CEM-WEF Report *“Responsible Renewables Infrastructure: Case Studies from Around the World”*

Leaders worldwide have committed to tripling renewable energy capacity by 2030, creating an unprecedented opportunity for clean growth. Amid energy security concerns and affordability challenges, renewables can deliver climate, economic, environmental, and social benefits. Building on the Responsible Renewable Infrastructure (RRI) Initiative, the Clean Energy Ministerial and the World Economic Forum presented [21 real-world use cases](#) at CEM16 in Korea, highlighting how renewable expansion can be achieved responsibly - balancing biodiversity protection, social inclusion, and system resilience. These examples demonstrate that responsible deployment not only accelerates permitting and attracts investment but also builds trust, offering a practical resource for governments, investors, and industry.



EETI and UNESCAP paper on Gender and Energy

[UNESCAP](#) and [Equality in Energy Transition Initiative](#) launched a joint paper on *Gender and energy: Advancing gender equality in support of a sustainable energy future*. It explores the critical intersection of gender equality and the energy transition in the Asia-Pacific region, arguing that a just and inclusive transition cannot be achieved without the full participation of women. The paper highlights several key messages, including persistent gender gaps in the energy sector, how energy access gaps exacerbate gender inequality, and how the lack of gender data inhibits effective program design and review. To address these issues, the paper provides recommendations for governments and stakeholders, focusing on inclusive policy and leadership, workforce development, gender-responsive energy access, and improved data collection and monitoring.

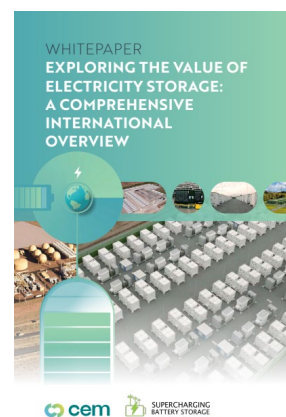
Read the full paper [here](#).



CEM Supercharging Battery Storage Initiative: New White Paper on the value of energy storage

The **CEM Supercharging Battery Storage Initiative** launched the white paper *“Exploring the Value of Electricity Storage: A Comprehensive International Overview.”* The paper underscores the critical role of storage in integrating renewables, reducing curtailment, improving grid reliability, lowering costs, enhancing resilience, strengthening energy independence, cutting emissions, and improving air quality—benefits that remain undervalued in many market structures. It features 25 international case studies from Australia, Canada, Chile, Spain, Finland, Germany, the Netherlands, the European Commission, Singapore, Korea, and the United States, showcasing diverse solutions and shared lessons.

Read the white paper [here](#).



CEM-Hubs: Maritime Infrastructure for Clean Energy Commodities – New Briefing Paper

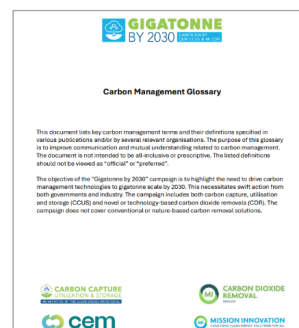
The **Clean Energy Marine Hubs Initiative (CEM-Hubs)** launched a new briefing paper on *‘Maritime Infrastructure for Clean Energy Commodities’*. The paper is based on interviews with 18 CEOs and other private sector leaders from across the energy-maritime value chain. It provides an industry perspective on the challenges, and opportunities, of scaling Future Fuels infrastructure to transport clean energy commodities worldwide. The findings inform recommendations for governments and industry to establish ports as unique clean energy hubs – enabling a low carbon fuel value chain for the world.

Read the briefing paper [here](#).



Gigatonne by 2030 Carbon Management Glossary

The joint **CEM-MI Gigatonne by 2030 Campaign** launched a new **Carbon Management Glossary**. The Glossary aims to improve communication and mutual understanding of carbon management technologies – carbon capture, utilisation and storage (CCUS) technologies as well as novel or technology-based carbon dioxide removals. This supports the campaign’s overall efforts to drive carbon management technologies to gigatonne scale by 2030.



Equalby30 Campaign Outreach Guide for Signatories

At the High-level side event ‘Generating Change: Women’s voices in the energy transition’, [Equal by 30 Campaign](#) launched a new tool to advance gender equality and inclusion in the energy sector. The Equalby30 Outreach Guide for Signatories is a free resource designed to help countries and organizations embed gender equality and inclusion in their policies and practices, encourage others to join the campaign, and raise overall awareness about the campaign. Learn more about the guide [here](#).



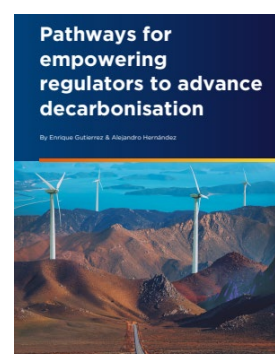
CEM Transforming Solar Supply Chain Initiative: New Dashboard on cost of solar modules

The CEM Transforming Solar Supply Chains Initiative, with support from IRENA, launched the Solar PV Manufacturing Cost Model at CEM16. The tool provides a [dashboard](#) to explore cost scenarios and an Excel-based model to analyse the levelized cost of production (LCOP) across the full value chain in key markets, including the United States, Germany, China, India, Vietnam, and Australia. It helps policymakers, investors, and industry strategists assess policy impacts, identify competitive advantages, and guide strategic investments to build resilient solar PV supply chains through 2030.



CEM ERAD Campaign: Regulatory Blueprint

The CEM ERAD Empowering Regulators for Accelerated Decarbonisation Campaign launched the [Regulatory Blueprint: Pathways for empowering regulators to advance decarbonisation](#) at CEM16. This joint CEM-RAP publication highlights the vital role of energy regulators in enabling decarbonisation and aligning national climate objectives with regulatory action. It outlines pathways to empower regulators through clear mandates, guidance, and integrated planning to accelerate the energy transition. Drawing on international experience, it presents proven solutions and practical steps for governments and policymakers to strengthen regulatory effectiveness.



CEM IDDI: Green Public Procurement 101 – New Factsheet on Building the Future with Low-Carbon Materials

The [CEM Industrial Deep Decarbonisation Initiative](#) launched a new [fact sheet on Green Public Procurement](#). Developed with UNIDO and the Net Zero Partnership, this practical report advises governments on how to turn climate goals and industrial decarbonisation roadmaps into real-world projects and market transformations. Governments are among the largest buyers of cement, concrete, and steel for major infrastructure projects – from housing, schools and hospitals to roads, bridges and energy projects. By signalling the willingness to buy low- and near-zero emission materials, governments can drive demand, signal industry transformation and align public investment with climate goals.



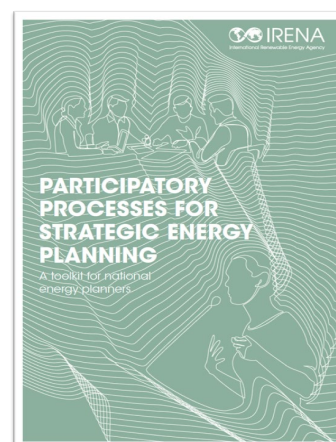
CEM IDDI: New Report on Ecolabels for Green Public Procurement and Green Building Programmes

The [CEM Industrial Deep Decarbonisation Initiative](#) launched a new report on [Harmonising Reporting for Public Procurement and Green Building Programs](#). Governments procure a vast array of goods and services to support the delivery of services to citizens. To minimise the environment impact of this procurement, many governments around the world have developed ecolabels – indicating whether a product or service meets defined environmental criteria. This report, prepared jointly with UNIDO, advises governments on how take a harmonised approach when using ecolabels under green public procurement programmes.



LTES Initiative launched Toolkit on Participatory Processes in National Energy Planning

The [CEM LTES Initiative](#) launched a new toolkit titled *Participatory Processes for Strategic Energy Planning – A Toolkit for National Energy Planners*, designed to support government energy planners in effectively engaging stakeholders throughout their planning processes. Drawing on experiences shared through the LTES Initiative, the practical resource provided strategies for engaging different stakeholder groups, methodologies for various participatory activities, and implementation guidance based on real-world case studies. The toolkit aims to strengthen inclusive and transparent approaches to national energy planning, helping countries develop more robust and widely supported long-term energy strategies.



RGEI launched 3 new knowledge products to promote Interconnections

The [CEM RGEI Initiative](#) presented three knowledge products to advance knowledge exchange and support informed policy development. These included: a collaborative research report among member states, highlighting key findings and shared insights; a compilation of best practices and case studies from participating countries promoting the exchange of expertise and lessons learned across the energy sector; and a white paper capturing the outcomes and perspectives.

