



CLEAN ENERGY MINISTERIAL (CEM)

ADVANCING CLEAN ENERGY TOGETHER



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CEM IN QUOTES

H.E. Joe Biden, President, United States

"We will closely align our efforts with the work of forums like the CEM and the MI— both of which I am proud to say the United States will chair next year."



HRH Prince Abdulaziz bin Salman Al Saud, Minister of Energy, Saudi Arabia

"We have the most critical players in the green energy field gathered around the virtual table. This represents what the CEM is all about. We are a committed community of governments, international organizations, private sector players coming together to make a difference. We believe that the CEM is an essential platform for international collaboration."



H.E. Teresa Ribera Rodríguez, Deputy Prime Minister and Minister of Ecological Transition, Spain

"This is a very important initiative that works on how far and fast we can improve our cooperation, the learning processes, and how we can achieve this very important goal with all its challenges."

H.E. Wang Zhigang, Minister of Science and Technology, China

"We will deepen cooperation and exchanges with other CEM members in the fields of new energy vehicles, smart grids, hydrogen, etc. and draw on best practices to jointly promote global clean energy development and build a cleaner, better planet."



H.E. Dr Fatih Birol, Executive Director, International Energy Agency

"The IEA is proud to both host and be a key partner of the CEM. The CEM is a proven and popular forum for important practical work that accelerates our clean energy adoption and we work closely together to build impactful global coalitions of countries companies and our international experts to accelerate clean energy transitions around the world."

H.E. Kadri Simson, Commissioner for Energy, European Commission, European Union

"I welcome the decision to extend the mandate and raise the ambition of the CEM. I was pleased to take part in the launch of the Global Hydrogen Ports Coalition and to join and lead together with Canada and the US a new Initiative on Empowering People. These and other CEM workstreams will make a difference in this decade. We must all use the next more ambitious phase of CEM for turning our goals into real action and tangible results."



H.E. Alok Kumar, Secretary, Ministry of Power, India

"Our association with CEM has been very old. We have been CEM's founding member and we intend to strengthen the CEM furthermore. I am also pleased to announce that we will be hosting the CEM14 in India."



H.E. Anne-Marie Trevelyan, Former Minister for Business, Energy and Clean Growth, United Kingdom

"The CEM has long been a champion of the importance of sectors for the energy transition. That is why we launched the IDDI Initiative with India to help create markets for green industrial goods. I am also pleased to announce that the UK will become a full member of the CEM's Hydrogen Initiative."





CLEAN ENERGY MINISTERIAL (CEM)

CONTEXT

WHAT IS AT STAKE?

The world is undertaking the fastest and most far-reaching energy transition in history. Clean energy goals have been increasing around the world and many countries are now targeting net zero emissions. Three crucial clean energy shifts must be supercharged urgently:

- **Scale:** The pace of clean energy adoption this decade must far outpace the last, moving rapidly from niche- to mass- to massive-scale deployment across a wide range of technologies.
- **Sectors:** The power sector remains pivotal to clean energy transitions, but the focus will continue to shift from the power sector to every sector (and x-sector integration), and from energy ministries to every ministry.
- **Society:** A whole of society approach that looks beyond governments and companies to the role of consumers and citizens, and beyond just tackling technical challenges to also overcoming economic, social, and sustainability ones.

CEM'S MISSION

The CEM brings together a community of the world's largest and leading countries, companies and international experts to achieve one mission – accelerate clean energy transitions.

The CEM is an international **clean energy leadership platform**, a convening platform, an action platform, and an acceleration platform.

It serves as:

- a **platform** where its members help shape the global clean energy agenda, and advance the deployment of specific clean energy technologies and solutions.
- a **bottom-up, government-led community** for exchanging knowledge and insights, building networks and partnership, and facilitating coordinated actions on clean energy.
- an **implementation vehicle** that helps its members to achieve specific domestic clean energy objectives.

HOW THE CEM WORKS

The CEM builds global action coalitions to achieve clean energy goals and advance their transitions.

The CEM operates through 3 key pillars:

1. **CEM Ministerial:** An annual meeting of its ministers, partners and community
2. **CEM Work Programme:** A combination of international campaigns and initiatives spanning the clean energy spectrum
3. **CEM Secretariat:** The Secretariat consists of a small, flexible team (hosted by the IEA) that serves the ministerial, all workstreams and all members.

Through its work, it delivers:

- **Conversations** with a purpose
- **Coordination** to the benefit of all
- **Collaboration** to increase the realm of what is possible

MEMBERS

29 MEMBERS



18 PARTICIPANTS



A powerful coalition of the world's largest and leading economies working together to accelerate clean energy transitions.

VALUE PROPOSITION



GLOBAL LEADERSHIP

CEM Members drive the clean energy agenda – they account for around 90% of installed clean power generation capacity, 80% of global clean energy investments, and the vast majority of public R&D in clean energy technologies.



SINGLE MISSION

The CEM has a simple, single mission – to accelerate clean energy transitions around the world.



FLEXIBLE APPROACH

The CEM’s flexible approach allows members to form or join clean energy workstreams in line with their own priorities.



OPEN PLATFORM

The CEM is an open platform that is proud to have many leading international organisations, companies, think tanks, foundations, and others as active participants in its work programme.



ACTION COALITIONS

CEM activities are in a state of constant renewal, with action coalitions coming together to design and deliver new clean energy workstreams.

CEM COMMUNITY

Several of the world’s best international organisations play a key role in the work of the CEM. CEM therefore represents a powerful coalition of the world’s most influential actors in clean energy working together to accelerate clean energy transitions. The CEM also fully recognises the essential role of the private sector and welcomes company participation in its work. The private sector partners – chosen for their visionary work, innovative solutions, and ambitious approaches – are encouraged to provide high-level policy input as well as practical expertise and to participate directly in the technical work of the CEM.



International Renewable Energy Agency

OBSERVERS



THE WORLD BANK
IBRD • IDA



transforming ENERGY

AUSTRIAN INSTITUTE OF TECHNOLOGY

EARTH • ENERGY • ENVIRONMENT

安亭·上海国际汽车城
Anting • Shanghai International Automobile City

PARTNERS



ENERGY RESEARCH INSTITUTE
Korea Energy Economics Institute

全球能源互联网发展合作组织

MINISTERIAL



CEM10 – 2019
Vancouver, Canada



CEM1 – 2010
Washington DC,
United States



CEM7 – 2016
San Francisco,
United States



CEM6 – 2015
Mérida, Mexico



CEM12 – 2021
Chile

CEM13 – 2022
United States

CEM9 – 2018
Copenhagen,
EC & Nordic countries



CEM3 – 2012
London,
United Kingdom

CEM2 – 2011
Abu Dhabi, UAE



CEM11 – 2020
Saudi Arabia

CEM8 – 2017
Beijing, China



CEM4 – 2013
New Delhi, India



CEM14 – 2023
India

CEM5 – 2014
Seoul, South Korea



CEM13 will be hosted by the United States in 2022
and **CEM14** by India in 2023.



MINISTERIAL

- Launch of 11 Initiatives under three themes:
 - Global Energy Efficiency Challenge – Appliances, Buildings and Industry, Smart Grids, Electric Vehicles, and Capacity Building
 - Clean Energy Supply – Carbon Capture, Use and Storage, Solar and Wind, Hydropower, Bioenergy
 - Clean Energy Access – Off-Grid Appliances, Women in Energy



CEM1
United States

- Publication of CCUS Action Group Recommendations
- Forum on women's contribution to clean energy
- High-Level Public-Private Roundtables on
 - Renewable Energy Scale-Up
 - Sustainable Cities
 - Technologies and Business Models for Energy Efficiency
 - Utility-Scale Energy Efficiency



CEM2
United Arab Emirates

- Launch of Solar and Wind Resource Atlas
- Launch collaboration with Sustainable Energy for All (SE4All)



CEM3
United Kingdom

- High-Level Public-Private Roundtables on solar PV, clean vehicle adoption, power systems in emerging economies, renewables policy and finance, energy management systems, and mini-grid development
- Innovation showcase pavilion with 40+ industry booths
- 1st SEAD Global Efficiency Medal Competition for energy-efficient flat-panel televisions



CEM4
India

- 1st Global LEAP Appliance Awards
- 1st ISGAN Award of Excellence
- SEAD's Global Efficiency Medal for energy-efficient computer monitors
- High-level dialogues on clean energy finance
- Model CEM program with university students represent delegates from member governments
- Global LEAP host "PlugFest" for off-grid appliance and energy systems



CEM5
Korea

- Launch of Global Lighting Challenge
- Launch of Power System Challenge
- Evolution of the Clean Energy Solutions Center
- SEAD Global Efficiency Medal Award
- ISGAN Award of Excellence for "Grid4EU"
- Launch of CEM 2.0 – the CEM's 2nd phase



CEM6
Mexico

MINISTERIAL

- Announcement of USD 1.5 billion in commitments to accelerate clean energy deployment and access
- Launch of:
 - Corporate Sourcing of Renewables,
 - Energy Management Campaign,
 - Advanced Cooling Challenge
- Keynote address from US-President Obama
- Public-Private Action Summit
- Startups and Technology Showcase with 100+ companies from 6 continents
- 1st C3E Symposium on Women in Clean Energy

CEM7 United States



- Launch Hydrogen Initiative and Flexible Nuclear Campaign
- Equal by 30 Campaign exceeds 100 signatories and gender principles tabled
- First Youth Forum held at CEM
- Nearly 850 exhibitors at Innovation Showcase and participation from nearly 1,200 companies
- First CEM-MI joint event on accelerating market uptake of smart grids

CEM10 Canada



- Technology and Innovation theater showcases innovators, scientists, and entrepreneurs
- Launch of:
 - Investment and Finance Initiative
 - Long-term Energy Scenarios Campaign
 - Equal by 30 Campaign
 - CCUS initiative
 - Power System Flexibility Campaign
 - Distributed Generation Campaign

CEM8 China



- Launch of Biofuture Platform Initiative and Drive to Zero Campaign
- Energy Management Campaign achieves the goal of 50,0001 ISO50001 certifications
- C3E international ambassador program
- 2nd LTES International forum convenes 700+ virtual participants from 83 countries
- 9 awards announced; 4 major new reports launched
- 7,400 delegate registrations

CEM11 Saudi Arabia



- Major Technology Exhibition and Innovation Theater
- Corporate Sourcing of Renewables Report
- Canadian G7 Presidency sees all countries sign up to CEM's Equal by 30 Campaign
- Graduation of Global Lighting Challenge, which far surpasses USD 4 billion high efficiency, affordable lighting products with over USD 14 billion sold
- Launch of NICE Futures Initiative

CEM9 EU Commission with Denmark, Sweden, Norway, Finland and Nordic Council



- CEM members reaffirm CEM's ambitious, next phase (CEM3.0)
- Launch of 4 new work streams: Industry Deep Decarbonisation Initiative, Hydrogen Initiative, Empowering People Initiative and Biofuture Campaign
- 40+ clean energy side events (featuring 250+ high-level speakers from 40+ nations)
- Launch of 10 major clean energy reports
- 150,000 participants from more than 100 countries

CEM12 Chile



MINISTERIAL

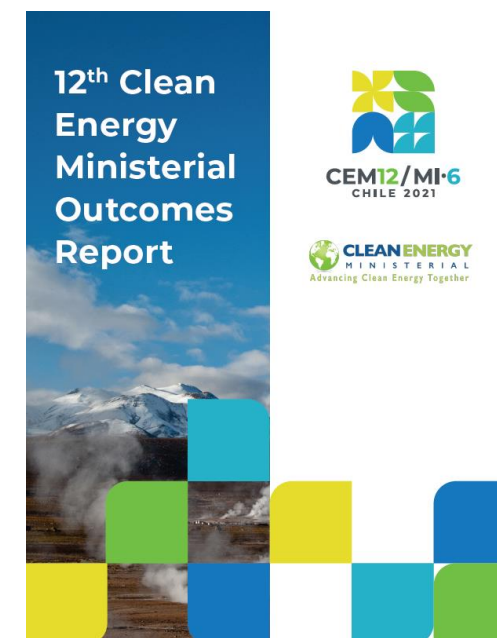
The 12th Clean Energy Ministerial (CEM12), was hosted by the Republic of Chile and chaired by the honourable Juan Carlos Jobet, Chile's Minister of Energy. CEM12 focused on the theme of “ambition into action – turning a year of clean energy ambition into a decade of delivery” bringing CEM's global clean energy community together to show leadership through insight, inspiration, and impact.

All members took the opportunity to reaffirm their commitment to CEM's next phase (CEM3.0) and its mission to step up ambition and supercharge the clean energy transition through increased focus on massive scale, expanded sectors, and socio-economic inclusion.

CEM12 featured CEM's biggest-ever clean energy events programme – featuring more than 40 clean energy events with over 250 high-level speakers from more than 40 countries, as well as Trigger Talks from prominent global leaders. In total 150,000 people from more than 100 countries participated.

The CEM12 Outcomes Report is available at www.cleanenergyministerial.org.

All aspects of CEM12 were virtual, live webcast, and open to all. They are available to watch on the [CEM YouTube channel](#).



INITIATIVES AND CAMPAIGNS

CEM INITIATIVE

Convene a coalition to collaborate on a work programme that helps accelerate clean energy deployment.

- **COALITION:** Building an international coalition of experts
- **COLLABORATION:** Designing and delivering a substantive work programme that seeks to accelerate clean energy deployment (overcoming technical, economic, or social barriers to adoption)
- **CHANGE:** Timely delivery of work programme outputs that help change real-world outcomes
- **COMMUNICATION:** Communicating activities, outputs, and outcomes for the benefit of the CEM Community

Member leads (typically 2 or 3), Initiative Coordinator, CEM Secretariat

The right coalition to best serve the goals of a specific initiative, typically including policymakers, regulators, companies, trade bodies, international organisations, researchers/academics, financial institutions

Typically 3+ years

- Engagement/Activity metrics (active coalition participation, etc.)
- Delivery metrics (delivery of work programme outputs to time, cost, quality)
- Output and Outcome metrics (expert meetings, analytical reports, project collaborations, regulatory alignment/coherence, etc.)

SEEK TO...

FOCUS ON...

LED BY ...

ENGAGE WITH...

DURATION...

MEASURE SUCCESS BY...

CEM CAMPAIGN

Inspire global action towards a specific ambitious clean energy goal

- **COMMUNICATION:** Having an extensive and impactful communications strategy
- **COMMUNITY:** Engaging, persuading, and energising a community
- **COMMITMENTS:** Securing new commitments towards an ambitious goal

Member leads, Campaign Manager, CEM Secretariat

A broad audience. Campaigns are inclusive by nature, seeking to grow a powerful community that can generate impactful commitments

Typically 1-2 years

- Awareness metrics (events, viewers, participants, etc.)
- Engagement metrics (followers, subscribers, amplification, etc.)
- Impact metrics (signatories and commitments, etc.)

CEM SECRETARIAT

The CEM Secretariat is a small, flexible team housed within the International Energy Agency (IEA) on behalf of all Members.

Its key functions are:

- Coordinate the work of the CEM – Connect the strategic direction from Ministers, the Sherpas' Group, and the Steering Committee to day-to-day activities in the Initiatives and Campaigns.
- Work with the Ministerial hosts to deliver an annual Ministerial Meeting that brings insight, inspiration, and impact.
- Support the development, direction, and review of CEM Initiatives and Campaigns.
- Respond proactively to the priorities of our Members. Build and sustain Clean Energy Partnerships that support the CEM's mission.
- Management and delivery of all CEM governance. Facilitate and support meetings of the CEM Steering Committee and sub-groups.
- Manage communications: (a) Internally, to and among CEM Members; and (b) Externally, including outreach to publicize progress and outcomes, and disseminate resources developed through the work of the CEM.
- Manage funding mechanisms established to underpin CEM activities.

To learn more about the work of the CEM go to www.cleanenergyministerial.org or email Secretariat@CEMSecretariat.org.

DAN DORNER
Head of Secretariat



CASSIE ETTER-WENZEL
Special Advisor



RACHAEL BRIGGS
Special Advisor



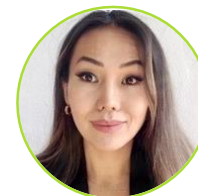
ELLINA LEVINA
Partnerships Manager



SARBOJIT PAL
Partnerships Manager



MELISANDE LIU
Partnerships Manager



JANE BARBIERE
Manager, Operations
and Communications



EVA STEPNIEWSKA-WELLS
Manager, Operations and
Communications



CEM IN QUOTES

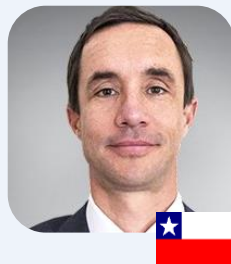


H.E. Seamus O'Regan, Minister of Natural Resources, Canada

"The world needs to get to net-zero. There is no other option. Bold action, international collaboration and energy innovation will get us there. As a valued member of the CEM and Mission Innovation communities, Canada is leading global efforts to build a low-emissions energy future that is prosperous, creates jobs and leaves no one behind."

H.E. Juan Carlos Jobet, Minister of Energy, Chile

"It is an honour for Chile to host the 12th Clean Energy Ministerial. This is the key moment where we, the CEM ministers and heads of observer organizations, come together to demonstrate global clean energy leadership, announce new clean energy actions and commitment, raise collective ambition and shape the future direction of the CEM."



H.E. Bento Albuquerque, Minister of State for Mines and Energy, Brazil

"Even though another year goes by without us meeting person, we must recognize the amount of meaningful work we have done. This shows the power of the CEM in bringing ideas into action and highlights the centrality of the clean energy agenda for all of us. Brazil is glad to recommit to a strengthening of the CEM in its next phase."



H.E. Jennifer Granholm, Secretary of Energy, United States

"We believe CEM 3.0 is going to be this forum's most consequential era because not only are we working together to drive innovation forward, we are endeavouring to make this clean energy transition an inclusive one which benefits all communities."

H.E. Francesco La Camera, Director General, International Renewable Energy Agency

"IRENA is the operating agent of the CEM's Long-Term Energy Scenario Campaign, working with the co-leads Denmark and Germany. We are leveraging our global membership to create a network of experts to tackle the challenges of the 1.5 degree pathway ahead of us."



H.E. Anders Ygeman, Minister for Energy and Digital Development, Sweden

"Sweden remains fully committed to CEM3.0 and its mission to accelerate the clean energy transition. A year of ambition should turn into a decade of delivery."

H.E. Joan MacNaughton, CB HonFEI (Lady Jeffrey), Chair, Climate Group

"Congratulations to CEM and the governments for the work they are doing on IDDI. The work of the CEM in actually providing the framework for companies to act is crucial."



H.E. Dan Jørgensen, Minister of Climate, Energy and Utilities, Denmark

"Denmark wishes to confirm its strong commitment to the CEM. We welcome the increased level of ambition of the next phase."

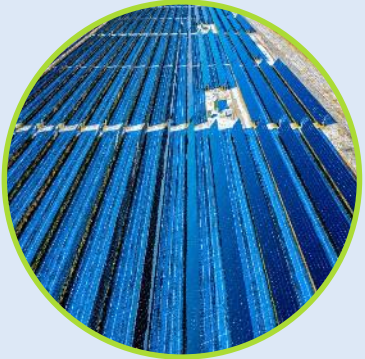


CLIMATE GROUP

The background image shows a large port facility with several tall gantry cranes along a pier. In the distance, a large container ship is docked. The sky is overcast and grey. A semi-transparent dark blue horizontal band is positioned across the middle of the image, serving as a background for the title text.

CEM WORK PROGRAMME

OVERVIEW



POWER

- 21 Century Power Partnership
- Power System Flexibility
- Nuclear Innovation
- Flexible Nuclear
- International Smart Grid Action Network
- Regional and Global Energy Interconnection



TRANSPORT

- Electric Vehicles
- EV30@30
- Global Commercial Vehicles Drive to Zero



INDUSTRY

- Carbon Capture, Utilization, and Storage
- Industrial Deep Decarbonisation



BUILDINGS

- Super-efficient Appliance and Equipment Deployment



CROSS-SECTORAL

- Hydrogen Initiative
- Global Ports Hydrogen Coalition
- Biofuture Platform
- Biofuture Campaign



ENABLING ENVIRONMENT

- Empowering People
- Clean Energy Education and Empowerment
- Equal by 30
- Long-Term Energy Scenarios
- Investment and Finance
- Clean Energy Solutions Center

21ST CENTURY POWER PARTNERSHIP



Objective

Advance power system transformation by facilitating collaborative research, information-sharing, and capacity-building among power system practitioners. Promote integrated policy, regulatory, financial, and technical solutions for the deployment of clean energy in combination with large-scale energy efficiency and smart grid deployment.

Goals

The 21st Century Power Partnership conducts activities in four focus areas, which each represent an opportunity to achieve better global coordination along the path to clean, reliable, cost-effective energy systems:

- Develop and share knowledge on key topics related to the transformation of the electricity sector
- Strengthen and disseminate technical tools to accelerate the transition to a more modern electricity sector
- Bolster the capacity of experts needed to advance the policies, programs, and practices required to transition toward a clean and efficient power sector
- Apply the knowledge, tools, and capacity developed through this effort to improve national and subnational policies and regulations

Lead Governments



Coordinator

US National Renewable Energy Laboratory



Participants

Argentina, China, Denmark, Finland, Mexico, Norway, South Africa, Spain, United States

Partners

CSIR (South Africa), Danish Energy Agency, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ GmbH), Edison Electric Institute, ENERGINET, International Energy Agency (IEA), International Renewable Energy Agency (IRENA), Regulatory Assistance Project, The Nature Conservancy, USAID, World Bank (WB), World Resources Institute (WRI)

Website

www.21stcenturypower.org and www.cleanenergyministerial.org

POWER SYSTEM FLEXIBILITY



Objective

Build momentum among industry and governments to enhance power system flexibility through the coordinated deployment of advanced power plants, smart electricity grids, demand-side management, and storage.

Goals

- Coordinate high-level policy forums that aim to deploy, harness and consolidate public-private momentum on strategies for system flexibility.
- Deepen understanding of available flexibility resources through deep-dive events and workshops on grids and storage; demand-side management and digitalisation; and power plants and future markets. These provide a platform for operational experts from industry, ministries, regulators, and utilities to exchange experiences and devise concrete actions. The findings are passed to policy-makers and wider audiences through policy briefs.
- Publish policy briefs that summarize deep dive events and maximise visibility throughout the campaign.

Lead Governments



Coordinator

International Energy Agency (IEA) 

Participants

Brazil, Canada, Chile, Finland, Germany, India, Italy, Japan, Saudi Arabia, South Africa, United Arab Emirates

Partners

Agora Energiewende, Chargepoint, COWI, EDF, EpexSpot, ENEL, Energinet, Envision, First Solar, Fraunhofer ISIT, Nord-Deutsche Energiewende, GE, GIZ, J-Power, Kyushu Electric Power, MHPS, Next Kraftwerke, Orsted, Restore, RSE, Siemens, UK Power Networks, Vestas, VBG Powertech, World Bank ESMAP

Website

www.cleanenergyministerial.org

NUCLEAR INNOVATION: CLEAN ENERGY FUTURE



Objective

Foster new collaborations and assist policymakers in considering the roles that nuclear energy could play in their clean energy future. Understand available technology options, provide information on technical feasibility, economics, and financing, and share perspectives from those involved.

Goals

- Bring nuclear energy from traditional, nuclear-only fora to broader multilateral discussions on clean energy at both the ministerial and working levels;
- Engage both nuclear and non-nuclear energy policy makers and stakeholders in a discussion on the role of nuclear energy in integrated clean energy systems of the future; and
- Ensure energy policy-makers are informed of the opportunities and challenges of the full range of options needed to meet global clean energy goals—covering areas of technology feasibility, economics and financing, and stakeholder perspectives.

Lead Governments



Coordinator

Joint Institute for Strategic Energy Analysis (JISEA), National Renewable Energy Laboratory (NREL)



Participants

Argentina, Brazil, France, Jordan, Kenya, Poland, Romania, (Puerto Rico), Russia, United Arab Emirates

Partners

American Nuclear Society, ClearPath, Energy for Humanity, Energy Options Network, Generation IV International Forum, International Atomic Energy Agency (IAEA), IEA, International Framework for Nuclear Energy Cooperation (IFNEC), International Youth Nuclear Congress, Nuclear Energy Institute, Nuclear Industry Council, OECD Nuclear Energy Agency (NEA), Third Way, Women in Nuclear Global, World Nuclear Association

Website

www.nice-future.org and www.cleanenergyministerial.org

FLEXIBLE NUCLEAR: NUCLEAR-RENEWABLES INTEGRATION



Objective

To provide an understanding of the economic benefits of advanced nuclear technologies to a wide spectrum of participating countries, including the qualitative and quantitative benefits of nuclear reactors with highly flexible power output.

Goals

Model revenue opportunities for flexible nuclear power stations in various parts of the world and communicate the cost and technical performance requirements back to government stakeholders, as well as to design teams responsible for developing advanced generation IV reactors.

Lead Governments



Coordinator

US National Renewable Energy Laboratory 

Participants

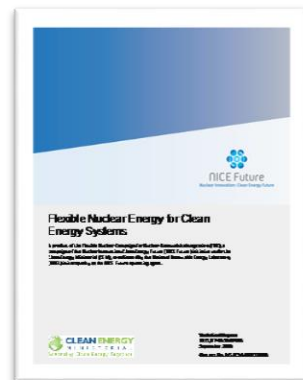
Argentina, Finland, Russia, United Arab Emirates, Jordan, Kenya

Partners

ClearPath, Energy Options Network, Generation IV International Forum, International Atomic Energy Agency (IAEA), IEA, International Framework for Nuclear Energy Cooperation (IFNEC), International Youth Nuclear Congress, American Nuclear Society, Nuclear Energy Institute, Nuclear Industry Council, OECD Nuclear Energy Agency (NEA), Third Way, Energy for Humanity, Women in Nuclear Global, World Nuclear Association

Website

www.cleanenergyministerial.org



INTERNATIONAL SMART GRID ACTION NETWORK



Objective

Accelerate the development and deployment of smarter electricity grids worldwide, enabling increased demand response and energy efficiency. It focuses on five principal areas: policy standards and regulation, finance and business models, technology system development, workforce skills and knowledge, user and consumer engagement. ISGAN is also an IEA Technology Cooperation Programme (TCP).

Goals

ISGAN is an international platform for the development and exchange of knowledge and expertise on smarter, cleaner, and more flexible and resilient electricity grids ("Smart Grids"). ISGAN provides an important channel for the communication of experience, trends, lessons learned, and visions in support of global, national and regional clean energy objectives as well as new flexible and resilient solutions for Smart Grids.

Lead Governments



Coordinator

Austrian Institute of Technology GmbH (AIT), Korea Smart Grid Institute



Participants

Australia, Brazil, Canada, China, Denmark, European Commission, Finland, France, Germany, Israel, Japan, Netherlands, Norway, Russia, South Africa, South Korea, Spain, Sweden, United Kingdom

Partners

European Technology and Innovation Platform Smart Networks for Energy Transition (ETIP SNET), Global Smart Energy Federation (GSEF), International Energy Agency (IEA), India Smart Grid Forum (ISGF), Mission Innovation (MI)

Website

www.iea-isgan.org and www.cleanenergyministerial.org

[Youtube channel](#); [Linkedin](#); [ISGAN Awards of Excellence promotional video](#)



REGIONAL & GLOBAL ENERGY INTERCONNECTION

Objective

Accelerate the regional electricity grid and power market integration in order to maximise the use of cost-efficient clean energy sources available at the country level and regionally. Facilitate the development of sustainable, secure, and affordable regional electricity systems while contributing to economic growth, climate change mitigation, and decarbonisation of energy systems.

Goals

- Facilitate the transition of energy systems to more interconnected, and electrified modern energy systems, and maximise the use of renewable energy. Facilitate policy discussions on the regulatory and market frameworks for electricity system integration.
- Support the development of sustainable, secure and affordable regional electricity systems to contribute to climate change mitigation and decarbonisation of energy systems.
- Increase the understanding of policy and regulatory issues regarding regional electricity interconnection. Address concerns on the security and reliability of large-scale interconnection.

Lead Governments



Coordinator

Global Energy Interconnection Development Cooperation Organisation (GEIDCO)



Payne Institute of Public Policy, Colorado School of Mines

Participants

Chile, Finland, South Africa, South Korea, United Arab Emirates

Partners

China Southern Power Grid, ESKOM, Korea Electric Power Corporation (KEPCO), State Grid Corporation of China (SGCC)

Website

www.cleanenergyministerial.org

H.E. Dr. Gerhard Salge, Chief Technology Officer, Hitachi ABB Power Grids

“Electricity will be the backbone of the global energy system. The energy system for the future will be sustainable, affordable, and resilient. [...] To integrate RES into the grid in a massive way, we need to tap all possible resources we can get. We need flexible interconnection solutions with low losses, which can build on today’s power system and can make them more flexible.



ELECTRIC VEHICLES INITIATIVE



Objective

Accelerate the global deployment of electric vehicles worldwide through analytical reports, policy recommendations, technical workshops and study tours, multilateral dialogues and technical assistance to regions or member countries.

Goals

- Strengthen the understanding of the opportunities offered by electric mobility to meet multiple policy goals.
- Improve awareness of the drivers of EV deployment, supporting country-level policy and regulatory implementation.
- Outline a vision for the future of electric mobility, building consensus on policy goals (e.g. EV30@30) and benchmarking success.
- Bolster policy action and improve the visibility of national policy efforts in publications, such as the Global EV Outlook
- Mobilize targeted policy action and strengthening the impact of specific measures.
- Accelerate the geographical coverage of policy deployment on electric mobility through capacity building and sharing knowledge and experiences, accelerating learning, and specific activities such as the EVI Global Pilot Cities Program.

Lead Governments



Coordinator

International Energy Agency (IEA) 

Participants

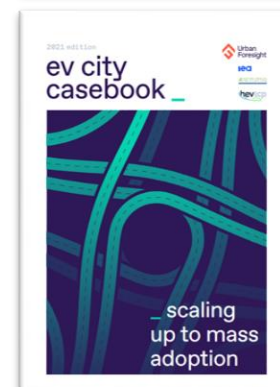
Chile, Finland, France, Germany, India, Japan, Netherlands, New Zealand, Norway, Poland, Portugal, Sweden, UK, US

Partners

C40 Cities, ChargePoint, E.On, Enel X, Energías do Portugal, FIA Foundation, Fortum, Global Fuel Economy Initiative (GFEI), Hewlett Foundation, Iberdrola, International Council on Clean Transportation, International Zero Emission Vehicles Alliance, Low-Carbon Transport, Natural Resource Defense Council, Renault-Nissan Mitsubishi Alliance, REN21, Schneider Electric, The Climate Group, Tokyo Electric Power Company, UN-Environment, UN-Habitat, Vattenfall, WRI, WBCSD

Website

www.iea.org/topics/transport/evi/ and www.cleanenergyministerial.org



EV30@30

Objective

Raise ambition, build awareness, and garner commitments on electric vehicle deployment from member countries and public and private participants. Member countries pledge to increase their share of EVs to 30% by 2030, thereby promoting innovation, economic and industrial development, energy security, and reduction of local air pollution.

Goals

- Lower GHG emissions and help to achieve climate goals by driving the global EV agenda.
- Reduce air pollution, especially in urban areas. Air pollution is a major public health issue in cities via efforts such as the EVI Global Pilot City Programme.
- Increase energy efficiency: an electric powertrain uses significantly less energy per kilometre travelled compared with conventional powertrains. Enhance energy security: a shift to using electricity as a fuel helps to reduce dependence on fossil fuels.
- Help bring together and enhance collaboration among public and private sector stakeholders working on EV deployment.
- Solicit commitments from both government and nongovernment stakeholders for EV deployment – expanded membership to 11 member countries and 29 supporting companies and organisations

Lead Governments



Coordinator

International Energy Agency (IEA) 

Participants

Chile, Finland, France, Germany, India, Japan, Netherlands, New Zealand, Norway, Sweden, UK

Website

www.iea.org/topics/transport/evi/ and www.cleanenergyministerial.org

H.E. CHEN Linhao, Deputy Director-General, Ministry of Science and Technology, China

“It's been a decade since the founding of EVI, and we look forward to the 2020s. Let us work together towards making it the decade of the electric drive. China remains committed.”



DRIVE TO ZERO



Objective

Promote greater deployment of zero- or near-zero emission levels for commercial, medium and heavy-duty vehicles (MHDVs) – including mass global transit – and bring together governments and leading stakeholders to work collaboratively on requirements, policies, and programs that support the electrification of commercial vehicles.

Goals

- By 2025, near- and zero-emission MHDVs are commercially viable and cost-competitive in first-success applications (also referred to as “beachhead” applications) in target global markets.
- By 2040, zero-emission MHDVs dominate in their segments.
- Gather commitments and pledges from EVI member and non-member governments, stakeholders and industry while encouraging, supporting and informing those that are undecided.
- Entities who take the pledge commit to taking actions that support achieving the aspirational target(s) within the identified timelines and sharing their experience and progress.
- Member and non-member countries would have an opportunity to work directly with CALSTART to build their own domestic Drive to Zero Programs.

Lead Governments



Coordinator

CALSTART



Participants

Chile, Finland, Germany, Netherlands, Norway, Sweden

Website

www.globaldrivetozero.org and www.cleanenergyministerial.org

CARBON CAPTURE UTILIZATION & STORAGE



Objective

To increase momentum on the deployment of CCUS as a viable CO₂ mitigation option in a suite of clean energy technologies. It fosters strategic partnerships to accelerate both near and longer-term investment in CCUS and to advance deployment by making CCUS more competitive.

Goals

- Expand the spectrum of clean energy technologies under CEM to include CCUS.
- Create a platform for governments, the private sector, and investment community to engage and accelerate CCUS deployment.
- Facilitate identification of both near and longer-term investment opportunities.
- Disseminate emerging best practice in CCUS policy, regulatory frameworks and project development.

Lead governments



Coordinator

IEA Greenhouse Gas R&D Programme (IEAGHG) 

Participants

Australia, Canada, China, India, Japan, Mexico, Netherlands, South Africa, United Arab Emirates

Partners

Asian Development Bank, Carbon Sequestration Leadership Forum, Global CCS Institute, International Energy Agency, Oil and Gas Climate Initiative, World Bank

Website

www.cleanenergyministerial.org and [Clean Energy Ministerial CCUS Initiative \[LinkedIn\]](#) and [CEM CCUS Initiative Webinars \[YouTube\]](#)

H.E. Khalid M. Abuleif, Ministry of Energy, Industry and Mineral Resources, Saudi Arabia

“It is clear that CCUS is proven and driven. We would like to have cooperation among all stakeholders—government private and finance—working all together to make sure this is happening.”



INDUSTRIAL DEEP DECARBONIZATION INITIATIVE



Objective

A global coalition designed to stimulate global demand for low carbon industrial materials. In collaboration with national governments, IDDI works to standardise carbon assessments, establish ambitious public and private sector procurement targets, incentivise investment into low-carbon product development and design industry guidelines.

Goals

- Encourage governments and the private sector to buy low carbon steel and cement: IDDI is advocating for governments to set procurement targets for the purchasing of decarbonised steel and cement.
- Source and share data for common standards and targets. Through the development of a number of key definitions, tools, guidelines and publicly accessible data, IDDI will enable industry to conduct rigorous reporting and industry benchmarking comparisons in addition to defining common methods and understandings of what constitutes decarbonised steel and cement products.

Lead Governments



Coordinator

United Nations Industrial Development Organization



Participants

Canada, Germany, United Arab Emirates

Partners

First Movers Coalition, IRENA, Mission Possible Partnership, World Bank, World Economic Forum

Website

www.unido.org/IDDI and www.cleanenergyministerial.org

H.E. LI Yong, Director General, UNIDO

“The initiative is timely. Well-coordinated action on standards and procurement can create a market. Reaching net-zero will require reducing the demand for these materials and switching to clean energy sources. UNIDO will work with governments to agree to the decarbonisation of steel and industry informed by stakeholders input. Knowledge is needed to make step-change towards industrial decarbonisation”



SUPER-EFFICIENT EQUIPMENT & APPLIANCE DEPLOYMENT



Objective

To address urgent global energy challenges and promote the manufacture, purchase, and use of energy-efficient appliances, lighting, equipment and buildings worldwide.

The SEAD Initiative fosters information exchange on policies and activities, allowing participants to take advantage of best practices and lessons learned by other countries, and identify opportunities for bilateral and multilateral cooperation.

Goals

- Increase partner participation and engagement by providing the knowledge and tools needed to help impact standards and labelling, procurement, and incentives policy change
- Highlight the benefits and urgency of energy-efficient equipment and appliance policies among participating governments through technical analysis
- Increase awareness among manufacturers of the value of producing super-efficient appliances and among retailers of the value of stocking such appliances through regional and global awards competitions

Lead Governments



Coordinator

International Energy Agency (IEA) 

Participants

Australia, Argentina, Brazil, Canada, Chile, China, Denmark, Germany, Indonesia, Mexico, Russia, Saudi Arabia, South Africa, South Korea, United States

Partners

Asia-Pacific Economic Cooperation, CLASP, ECOWAS Centre for Renewable Energy and Energy Efficiency, Kigali Cooling Efficiency Program, UN Environment Programme, IEA Technology Collaboration Programme on Energy Efficient End-Use Equipment (4E), Lawrence Berkeley National Laboratory

Website

www.superefficient.org and www.cleanenergyministerial.org

<https://superefficient.org/cop26-call-to-action>

<https://www.cleanenergyministerial.org/news-clean-energy-ministerial/cop26-global-product-efficiency-call-action>



HYDROGEN INITIATIVE



Objective

Raise international ambition and advance commercial-scale clean hydrogen and fuel cell-related deployment in the long-term globally, across all sectors. Achieve this via analysis, policies, programs, and projects that would make hydrogen a key enabler in the clean energy transition.

Goals

- Help ensure successful deployment of hydrogen within current industrial applications.
- Enable deployment of hydrogen technologies in transport (e.g. freight, mass transit, light-rail, marine).
- Explore the role of hydrogen in meeting the energy needs of communities.

Lead Governments



Coordinator

International Energy Agency (IEA) 

Participants

Australia, Brazil, Chile, Finland, Germany, India, New Zealand, Norway, Portugal, Russia, Saudi Arabia, South Africa, South Korea, United Arab Emirates, UK

Partners

Advanced Fuel Cells Technology Collaboration Programme, Hydrogen Council, Hydrogen Technology Collaboration Programme, International Partnership for Hydrogen and Fuel Cells in the Economy, International Renewable Energy Agency, Mission Innovation, World Economic Forum

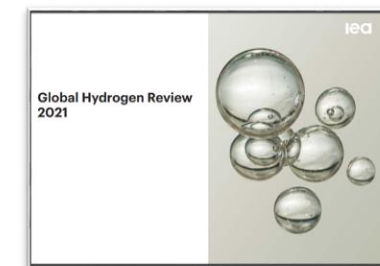
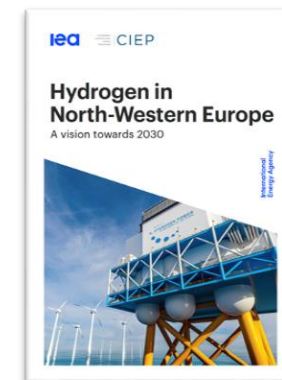
Website

www.iea.org/programmes/cem-hydrogen-initiative and www.cleanenergyministerial.org



H.E. Kadri Simson, Commissioner for Energy, European Commission

"Hydrogen is an opportunity on the road for post covid recovery. There are endless opportunities. But it requires scale and collaboration. That's why the global ports coalition is important, it can help investment and support knowledge."



GLOBAL PORTS HYDROGEN COALITION



Objective

To gather a global coalition of relevant actors to accelerate the scale-up of clean hydrogen production and demand in ports and coastal industrial clusters.

Goals

Members of the coalition agree to:

- Raise awareness among ministers and senior policy-makers of the role of ports and coastal industrial clusters in the overall clean energy transition and climate mitigation efforts;
- Share information with each other and H2I members related to: clean hydrogen production and demand; bunkering of ships with hydrogen and/or derivatives; best practices in relation to the development of import and export facilities in ports; initiatives for the deployment of clean hydrogen production in new applications in the industrial sites and communities connected with the ports; current hydrogen infrastructure and activities for its development or expansion; actions to support less advanced and small ports in the deployment of clean hydrogen;
- Policy dialogue, with the aim to share policy challenges, opportunities and recommendations to H2I members, partners and other stakeholders for scaling up clean hydrogen production and demand in ports and coastal industrial clusters.

Coalition Members (as of 6 August 2021)

Ballard Power Systems, Brunsbüttel Ports, Dock Sud Port, Côtes-d'Armor Chamber of Commerce (Ports of Le Légué, St Quay Portrieux, Erquy), Ennshafen Port, European Sea Ports Organisation (ESPO), Haropa Ports (Le Havre, Rouen, Paris), International Association of Ports and Harbors (IAPH), Free Hanseatic City of Bremen, Fremantle Ports, Flam Port, Hydrogen Council, Neltume Ports, New Energy Coalition, North Queensland Bulk Ports, Pecém Port Complex, Port of Antwerp, Port of Auckland, Port Authority of Valencia, Port of Bahia Blanca, Port of Bécancour, Port of Berlevåg, Port of Bordeaux, Port of Brisbane, Port of Duqm, Port of Farsund, Ports of Finistere, Port of Grenland, Port of Gothenburg, Port of Hamburg, Port of Halifax, Port of Houston, Port of Mejillones, Port of Montreal, Port of Rotterdam Authority, Port of Saguenay, Port of Trois-Rivières, Port of Vienna, Ports Australia, Portuguese Ports Association, Southern Ports, Vancouver Fraser Port Authority, Woodside Energy

Website

www.iea.org/programmes/cem-hydrogen-initiative and www.cleanenergyministerial.org

BIOFUTURE PLATFORM

Objective

To be an action-oriented mechanism for policy dialogue and collaboration to accelerate development and scale up of modern sustainable low carbon alternatives to fossil based solutions in transport, chemicals, plastics and other sectors.

Goals

- Raise the awareness of policymakers about the benefits, opportunities and priorities to scale up sustainable bioenergy worldwide
- Promote international collaboration and dialogue between member countries and their policymakers, industry, academia and other stakeholders
- Identify the main economic and non-economic barriers to modern bioenergy deployment and explore opportunities to overcome these barriers
- Formulate best practices towards effective evaluation, sharing and promotion of sustainable practices for the production of biomass and the entire value chain life cycle
- The initiative helps CEM member countries to realise their sustainable bioenergy potential, thus supporting transitions to a low-carbon energy system (and bioeconomy, more broadly) and contributing to reaching targets under the Paris Agreement.

Lead Governments



Coordinator

International Energy Agency (IEA) 

Participants

China, Denmark, Finland, France, Indonesia, Portugal, South Africa, UK

Partners

ABBI – Brazilian Bioinnovation Association, ApexBrasil, Below50, CGEE, EU Joint Research Centre, IEA Bioenergy TCP, Food and Agriculture Organization, Global Bioenergy Partnership, International Renewable Energy Agency (IRENA), Sustainable Energy for All, UNCTAD, UNIDO, WBCSD, World Council on Industrial Biotechnology

Website

www.biofutureplatform.org

BIOFUTURE CAMPAIGN



Objective

Enable the reduction of GHG emissions and foster a circular economy by showcasing pathways by which countries, companies, and consumers can substitute sustainable bio- and waste-based Fuels, Chemicals, and Materials for their fossil equivalents. To foster ambition and catalyze action, the Biofuture Campaign will develop and implement the Bio-based Substitution Challenge, whose signatories aspire to substitute bio- and waste-based Fuels, Chemicals, and Materials for 10% of their fossil carbon equivalent in relevant sectors and products by 2030, relative to a 2019 baseline.

Goals

Strengthen Biofuture Platform Initiative workstreams by providing a mechanism to create vibrant, engaged communities with Industry and NGO partners to work jointly on increasing and/or improving:

- Bioeconomy policy ambition,
- Feedstock availability & sustainability governance, and
- Sustainable & Climate Finance participation in the bioeconomy.

Lead Governments



Coordinator

- International Energy Agency (IEA), 
- Biofuture Workshop

Participants

Finland, UK

Partners

IEA, IEA Bioenergy TCP, FAO, Global Bioenergy Partnership, IRENA

Website

www.biofutureplatform.org

Dr. Jennifer Holmgren, Chief Executive Officer, LanzaTech

“We welcome the step from governments around the world - and collaboration across countries on this common topic. This platform has the opportunity to highlight best practices, and will allow for the call-to-action to enable this transition.”

LanzaTech 



EMPOWERING PEOPLE INITIATIVE



Objective

Convene the right people and partners – including those from underrepresented and marginalized voices – to bring forward the novel approaches and diverse perspectives needed to move the needle on achieving a just and equitable transition for a clean energy future.

Goals

The initiative seeks to:

- Share lessons on needed and successful policies that support just clean energy transitions;
- Highlight different policy mixes to support workers and communities with models that meet the unique needs and circumstances of different member countries, industrial sectors and stakeholder communities;
- Advocate for diversity and inclusiveness in HR policies, working conditions and corporate governance; address the needs of youth, gender equality, including pay equity, retention of diverse staff, the promotion of inclusive culture, among other measures that would serve to marshal and develop all available talent to strengthen the global energy sector.

Lead Governments



Coordinator

Natural Resources Canada (NRCAN)  Natural Resources Canada

Participants

Chile, Denmark

Partners

International Labour Organization, SDG7 Youth Constituency, the World Bank, UNIDO, World Energy Council

Website

<https://ec.europa.eu/social/skills-agenda>, www.rncanengagenrcan.ca/en/collections/just-transition, and www.energy.gov/creating-clean-energy-union-jobs

H.E. Seamus O'Regan, Minister of Natural Resources, Canada

"This initiative began with simple premise that we have to put people first. No region or worker is left behind. We need to identify the skills that will be in demand in the future. This initiative echoes Canada's stance for many years. People are Canada's top priority."



H.E. Nicolas Schmit, European Commissioner for Jobs and Social Rights

"In 2019 the EU Green Deal was launched with the central question on how to make this a fair transition for everyone? We have to focus on people-centred transitions. *Real* people in the *real* world need to see themselves in the clean energy future, with opportunities, benefits, jobs. Young people must be skilled for their futures."



CLEAN ENERGY: INVESTMENT AND FINANCE



Objective

Develop energy policies and regulatory frameworks that help mobilise investment and financing to the clean energy sector at scale, particularly from private sources. It aims to create a unique partnership, bringing together energy ministers, other government agencies, private companies, and financial institutions.

Goals

- Create a forum for peer-to-peer exchange of lessons learned and best practice across the clean energy investment and finance value chain;
- Conduct robust analysis and monitoring that advance understanding of investment and financing trends in clean energy and provide a benchmark for policy development;
- Build and/or disseminate state-of-the-art analytical tools and resources that support policy design, and investment facilitation within and across countries;
- Synthesize international experiences and best practice for creating the enabling conditions to support investment and innovative solutions to stimulate financing;
- Respond to requests from CEM member countries on specific investment-related cooperation. Acting as an agent for country-level engagement, including by “connecting the dots” and brokering support provided by a range of partners for policy design, technical assistance and capacity building.

Lead Governments



Coordinator

International Energy Agency (IEA) 

Participants

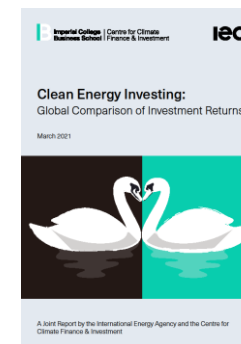
Brazil, Canada, European Commission, Mexico, the Netherlands, United Kingdom

Partners

World Bank Energy Sector Management Assistance Programme (ESMAP),
Climate Investment Funds Technical Assistance Facility for Clean Energy Investment and Finance (CIF-TAF).

Website

www.cleanenergyministerial.org/initiative-clean-energy-ministerial/cem-investment-and-finance-initiative-cem-if



LONG-TERM SCENARIOS FOR THE ENERGY TRANSITION

Objective

Promote wider adoption and improved use of energy planning models and scenarios to help countries accelerate their transition to clean energy. Long-term energy scenarios are important tools that can identify options, assess risks, evaluate the roles of different energy technologies in energy systems, and help governments adopt the best policies for a cost-effective and sustainable transition.

Goals

- Integrating scenarios into decision making: Demonstrating how governments can use energy planning scenarios to ensure better policy making. And exploring how scenarios can be made more relevant to private investors.
- Improving scenarios for the clean energy transition: Examining how long-term energy scenarios can be strengthened to better account for potentially transformational changes to the energy system.
- Identifying capacity building requirements: Analysing where long-term energy scenario development can be improved, and how “best practices” can be shared to enhance institutional scenario planning capacity.

Lead Governments



Coordinator

International Renewable Energy Agency (IRENA)



Participants

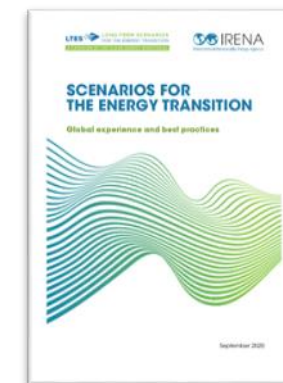
Brazil, Canada, Chile, Finland, Japan, Mexico, Netherlands, Saudi Arabia, United Arab Emirates, UK

Partners

China National Renewable Energy Centre, International Energy Agency, IEA Energy Technology Assistance Programme (IEA-ETSAP), Joint Institute for Strategic Energy Analysis, National Renewable Energy Laboratory, European Commission Joint Research Centre (JRC), State Grid Energy Research Institute, World Energy Council

Website

www.irena.org/energytransition/Energy-Transition-Scenarios-Network/ETS-Net-Events and www.cleanenergyministerial.org



CLEAN ENERGY EDUCATION & EMPOWERMENT



C3E INTERNATIONAL

ADVANCING GENDER EQUALITY TOGETHER

AN INITIATIVE OF THE CLEAN ENERGY MINISTERIAL

Objective

Advance gender diversity in clean energy professions, recognizing that the transition to a clean energy future will only succeed if we harness all talent. C3E is also an IEA Technology Collaboration Programme (TCP).

Goals

C3E aims to advance women's participation in clean energy by creating opportunities and closing the gender gap across four focus areas:

- Awards and recognition
- Gender Data and benchmarking
- Career development/mentorship, including the International Ambassadors Programme
- Dialogue and communications

Lead Governments



Coordinator

Austrian Society for Environment and Technology (ÖGUT)



Participants

Australia, Austria, Chile, European Commission, Czech Republic, Finland, Sweden, Germany, UK

Partners

International Energy Agency (IEA)

Website

www.c3e-international.org and www.cleanenergyministerial.org

H.E. Mechthild Wördsörfer, Deputy Director-General, European Commission

"All over the world, the energy sector is booming. But when we look at employment and female employment in the energy sectors, it is 25% for the traditional oil and gas sectors and 32% in the renewables sector. Female employment is therefore relatively low in the energy sectors. But we all know: more diversity, young people, female, geographically diverse people can bring more productivity and more innovation. We need to make that step, we need more young people and more female employees at all levels"



EQUAL BY 30

EQUAL^{by}30 **GENDER EQUALITY**
IN THE CLEAN ENERGY SECTOR
A CAMPAIGN OF THE CLEAN ENERGY MINISTERIAL

Objective

Close the gender gap in the energy sector by encouraging public and private sector organizations to work towards equal pay, equal leadership, and equal opportunities for women in the energy sector by 2030. It seeks to encourage governments, the private sector, and other organizations to sign up to a common set of high-level principles and to showcase how they intend to contribute to the Campaign's goals.

Goals

Bring together leadership from across the energy sector to endorse overarching principles that galvanize action, and help all players – from private sector companies to governments at all levels – find common ground for action. Equal by 30 asks companies and governments to endorse principles, then take concrete action to increase the participation of women in the clean energy sector, and close the gender gap.

Lead Governments



Coordinator

Participants

Australia, Austria, Finland, France, Germany, Italy, Japan, Netherlands, Norway, Sweden, UK, USA

Partners

International Energy Agency (IEA), Electricity Human Resources Canada, Energy Council of Canada, Women in Renewable Energy (WiRE) Canada, POWERful Women, The Global Women's Network for the Energy Transition (GWNET), Canadian Apprenticeship Forum, Canadian Coalition to Empower Women, Sustainable Energy for All, Women of Powerline Technicians, Global Wind Energy Council, StepUp

Website

www.equalby30.org/en



H.E. Anne-Marie Trevelyan, Former Minister for Business, Energy and Clean Growth, United Kingdom

“We need to make sure we use talents of all or citizens in tackling challenges ahead. We must increase the equal and meaningful participation and leadership of women in the clean energy industry.”



CLEAN ENERGY SOLUTIONS CENTER



Objective

Provide policymakers with free resources and advisory support on clean energy policies, regulations, and financing mechanisms to help governments reach their clean energy and development objectives quickly and cost-effectively. A source of high-quality clean energy policy and deployment information, providing expert assistance, peer forums, and training, bringing together a network of policymakers to work on clean energy solutions.

Goals

Serve as a clearinghouse of high-quality clean energy policy and deployment information and to provide in-depth expert assistance, peer forums, and trainings through a virtual platform, bringing a broad network of policy makers together remotely to work on clean energy solutions.

Lead Governments



Coordinator

US National Renewable Energy Laboratory (NREL)



Participants

Canada, China, France, India, Indonesia, Italy, Mexico, Sweden, United Arab Emirates

Partners

IRENA, REN21, GWNEN, CTC-N, Clean Power Hub

Website

www.cleanenergysolutions.org and www.cleanenergyministerial.org

CEM AWARD WINNERS 2021

2021 ISGAN AWARD OF EXCELLENCE

Each year, in partnership with the Global Smart Energy Federation (GSEF), the International Smart Grid Action Network (ISGAN) presents the Annual ISGAN Award of Excellence (AoE) to recognize excellence in smart grid projects, policies, and programs around the world.



SMART ENERGY PROJECT

Saint John Energy (Canada)
Open Systems International,
University of New Brunswick
(Partner Organizations)



EU-SYSFLEX GERMAN DEMONSTRATION

MITNETZ STROM (Germany)
(Partner Organizations)
E.ON, Fraunhofer IEE



The 8th Award Nomination is open. Learn more at:
www.iea-isgan.org/award2021/award2021-1/

2021 ENERGY MANAGEMENT LEADERSHIP AWARDS

Companies around the world use the ISO 50001 standard to achieve energy, economic, and sustainability benefits that boost competitiveness. The standard offers a business-friendly way to align corporate objectives with national climate and energy goals. To enter, organizations develop a structured case study showing how their energy management system delivers diverse benefits to their company, community, and country. Case studies will be shared online as an inspiration and resource for businesses, governments, and other organizations.

The 2021 Energy Management Leadership Awards will be announced soon.
Learn more at: www.cleanenergyministerial.org/EM Awards



GRADUATED WORKSTREAMS

1. Advanced Cooling Challenge (ACC) Campaign (see [Website](#))
2. Advanced Power Plant Flexibility (see [Website](#))
3. Corporate Procurement Of Renewable Energy Sources (see [Website](#))
4. Distributed Generation in Strategic Regions Campaign (see [Website](#))
5. Energy Management Campaign (see [Website](#))
6. Energy Management Working Group (see [Website](#))
7. Global Lighting and Energy Access Partnership (LEAP) (see [Website](#))
8. Global Lighting Campaign (see [Website](#))
9. Multilateral Solar and Wind Working Group (see [Website](#))
10. Nearly Zero Energy Buildings (see [Website](#))
11. Sustainable Cities and Eco-Energy Towns (see [Website](#))



CEM IN QUOTES



**H.E. Tina Bru,
Minister of Petroleum and Energy, Norway**

"Norway welcomes more cooperation between the CEM initiatives and, not least, the increasing involvement of the private sector. The private sector plays a key role as we move towards the next, cleaner, energy decade."

H.E. Li Yong, Director General, United Nations Industrial Development Organization

"UNIDO is proud to join forces with member countries of the CEM and the broad CEM community to launch the new IDDI under the co-leadership of India and the UK. The initiative will occupy a unique spot in the global arena – it will leverage the political will to take actions, and generate the knowledge and tools needed to make a step-change towards industrial decarbonisation"



H.E. Angus Taylor, Minister for Industry, Energy and Emissions Reduction, Australia

"Our ambition is to produce the cheapest clean hydrogen in the world at under \$2 Australian Dollar. That is why we will continue to work with the CEM Hydrogen Initiative as a key part of realizing this goal."



**H.E. Michal Kurtyka,
Minister of Climate and Environment, Poland**

"We are fully committed to the CEM and its mission to accelerate clean energy transitions. We are proud to participate in the Nuclear initiative for two years. We are pleased to announce that we have joined the Electric Vehicles Initiative."

H.E. John Kerry,

US Special Presidential Envoy for Climate, USA

"I am excited to kick off the launch of CEM 3.0 and MI 2.0 this week. They will be critical as we accelerate net zero. Limiting global warming to 1.5 degrees Celsius will be difficult, but international collaboration through the CEM Secretariat will help drive progress."



Bloomberg

H.E. Michael Bloomberg, UN Special Envoy for Climate Ambition and Solutions. Founder and CEO of Bloomberg L.P

"The work CEM does is critical to driving the global transition to clean energy. That is why so many of the world's major economies are represented here. CEM has an opportunity to advance the fight against climate change while at the same time spurring economic growth and innovation."



H.E. Andreas Feicht, State Secretary, Federal Ministry for Economic Affairs and Energy, Germany

"I am very pleased to be part of this global energy community with its diverse membership of countries that jointly account for the vast majority of global energy production and use. CEM is the right place to address these issues, given the urgency of the challenges we face and the scale of our ambitions. We need effective international cooperation and collaboration more than ever."



H.E. Kiyoshi Ejima, State Minister of Economy, Trade and Industry, Japan

"Japan believes that the CEM will continue to play an important role towards the global promotion and diffusion of clean energy."



HOW TO CONTACT US:

CLEAN ENERGY MINISTERIAL (CEM)

International Energy Agency (IEA)

31-35, Rue de la Fédération

F-75739 Paris Cedex 15, France

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Visit our website: www.cleanenergyministerial.org

Follow us on Twitter: [@CEMSecretariat](https://twitter.com/CEMSecretariat) www.twitter.com/CEMsecretariat