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BACKGROUND









- 23 economies
- 80% of global CO2 emissions
- 90% of global clean energy investment
- Focused on 3 goals:
 - · Improve energy efficiency
 - · Enhance clean energy supply
 - Expand clean energy access
- Three part strategy:
- High level dialogue
 - Technical cooperation
 - Engagement with private sector and other stakeholders

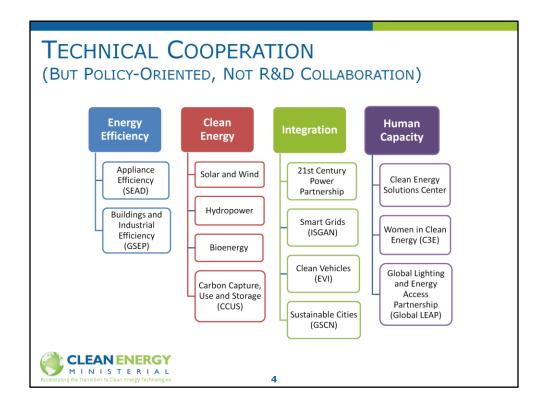


CEM Approach

- Distributed leadership
- Voluntary and collaborative
- No negotiated text



- -The CEM has some unique characteristics:
- It's based on a distributed leadership approach where any government interested in pursuing a substantive idea on a clean energy technology or issue is encouraged to identify willing partners and go forward with it.
- There's no expectation that every government participates in every initiative.
- There's no communiqué or other negotiated text.
- -This collaboration extends to multilateral institutions such as the IEA, IPEEC, IRENA and working to leverage the expertise, influence, and capital of the private sector.



- Technical cooperation takes place through 13 initiatives that are currently underway through the CEM.
- -These initiatives can be broadly categorized under Energy Efficiency, Clean Energy, Integration and Human Capacity.
- -Under Energy Efficiency we have SEAD and GSEP, the two initiatives I highlighted earlier;
- -Under Clean Energy we have Solar and Wind, Hydropower, Bioenergy and Carbon Capture Use and Storage;
- -Integration has the 21st Century Power Partnership, the International Smart Grid Action Network, the Electric Vehicle Initiative and the Global Sustainable Cities Network;
- -and under Human Capacity we have the Clean Energy Solutions Center, Women in Clean Energy and Global LEAP.

VALUE PROPOSITION

- The CEM is positioned to identify and deliver on actions with significant climate change mitigation potential
 - It includes most significant emitters but avoids the difficult dynamics of the climate talks
- Collaborative technical work, supported at a high-level, serves to enhance and facilitate international cooperative efforts to address climate change
- The CEM leverages funding (>\$40M) and in-kind resources from participating governments and has attracted contributions from philanthropies (~\$10M).
- A few highlights follow



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MINISTERIA Accelerating the Transition to Clean Energy Techno	L									6														

- -Each country has unique national circumstances and they come together to participate in those efforts in which they are most interested or most capable and that may have the highest impact for their citizens.
- -This chart shows the breakout of which countries are involved in each of the initiatives with the yellow square designating the countries that lead each initiative.

MINISTERIAL MEETINGS

Meetings are opportunities to assess progress, engage the private sector and the public, and guide work under the initiatives.



CEM1 - Washington DC, July 2010

CEM2 - Abu Dhabi, April 2011

CEM3 - London, April 2012

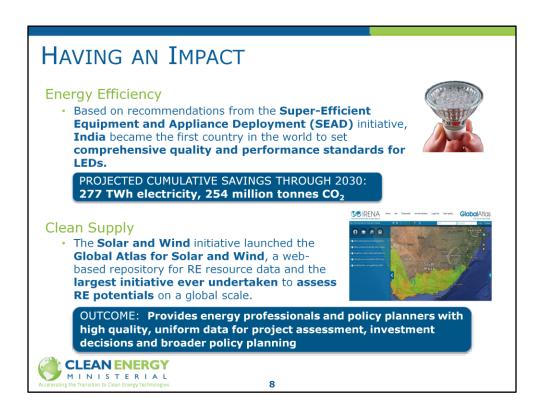
CEM4 - Delhi, April 2013

CEM5 - Seoul, 2014

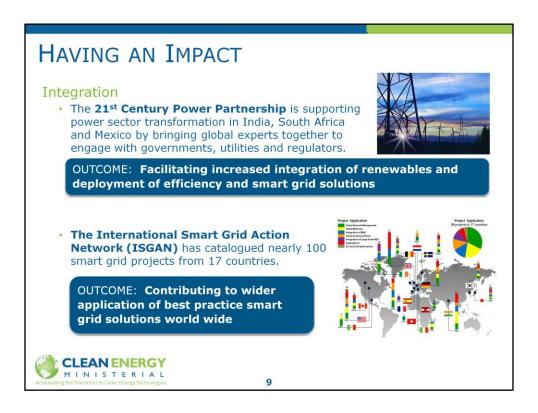
CEM6 - Mexico City, 2015



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- -Here are some highlights of what's been accomplished so far.
- -India recently became the first country in the world to set comprehensive quality and performance standards for LEDs. Those standards are expected to save, cumulatively, **277 terawatt hours of electricity, from the time they go into effect through the year 2030**. And those savings translate into avoiding building over 90 coal fired power plants and 254 million tonnes of CO2.
- -These are tangible results based on real actions that have been taken.
- -[By putting quality standards into place, we can avoid market spoiling that would otherwise slow adoption of LED technology.] [Assumes market spoiling in absence of quality standards would delay adoption by 5 years]
- -For the solar and wind's Global Atlas, users range from private project developers to governments and other policy planners. A key value for all users is that its free to all, its uniform and its traceable. For project developers, it provides a first step in identifying potential renewable energy development sites that can in turn influence investment decisions. For policy planners, it the data can assist for conducting policy feasibility studies and in framing policies.



- -Need to clarify outcomes for 21CPP
- -Need specific example of usage / influence of ISGAN catalogue of projects.

HAVING AN IMPACT

Human Capacity

 Global LEAP's work with IFC's Lighting Africa program helped enable the sale of 2.7 million quality-assured off-grid lighting systems in Africa since program began in 2009.

BENEFITS: 1.3 million tonnes CO_2e reduction and health benefits for more than 10 million people



 The Clean Energy Solutions Center has responded to more than 100 requests for policy assistance from 45 countries through Ask-An Expert service; hosted 75 webinars with more than 3,500 participants from around the world.



NOTABLE ACHIEVEMENT: Supported member states in setting renewable energy targets in CARICOM Energy Policy; 20% in 2017, 28% in 2022 and 47% in 2027



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CARICOM approved the Energy Policy in march 2013 and it is going before individual countries for approval. Renewable energy targets included in the

policy are: 20% in 2017, 28% in 2022, 47% in 2027



SUMMARY CEM BENEFITS

- · Reduce greenhouse gas emissions
- Avoid the need to build 650 power plants in next 20 years
- Bring improved energy services to millions of people
- Promote rapid deployment of renewable energy, carbon capture use and storage, and electric vehicles
- Help support women pursuing careers in clean energy
- Facilitate widespread dissemination of best practices in clean energy sector

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- -I've highlighted some of the results already realized through the CEM initiatives and the significant potential from energy efficiency.
- -But there are a number of significant benefits that can be achieved through the CEM.
- -I've already mentioned the emissions reduction potential and avoiding the need to build 650 coal-fired power plants.
- -Work taking place through the CEM is also:
- -Bringing improved energy services to millions of people
- -Promoting the rapid development of renewable energy, carbon capture use and storage, the deployment of electric vehicles.
- -It's helping support women pursuing careers in clean energy and bringing in more talented people to help address this challenge.
- -And of course the CEM is facilitating the widespread dissemination of clean energy best practices.

While we can be very proud of what has been accomplished, there is much more work that needs to be done.