



Overview of the CEM's Super-efficient equipment and appliance deployment (SEAD) initiative

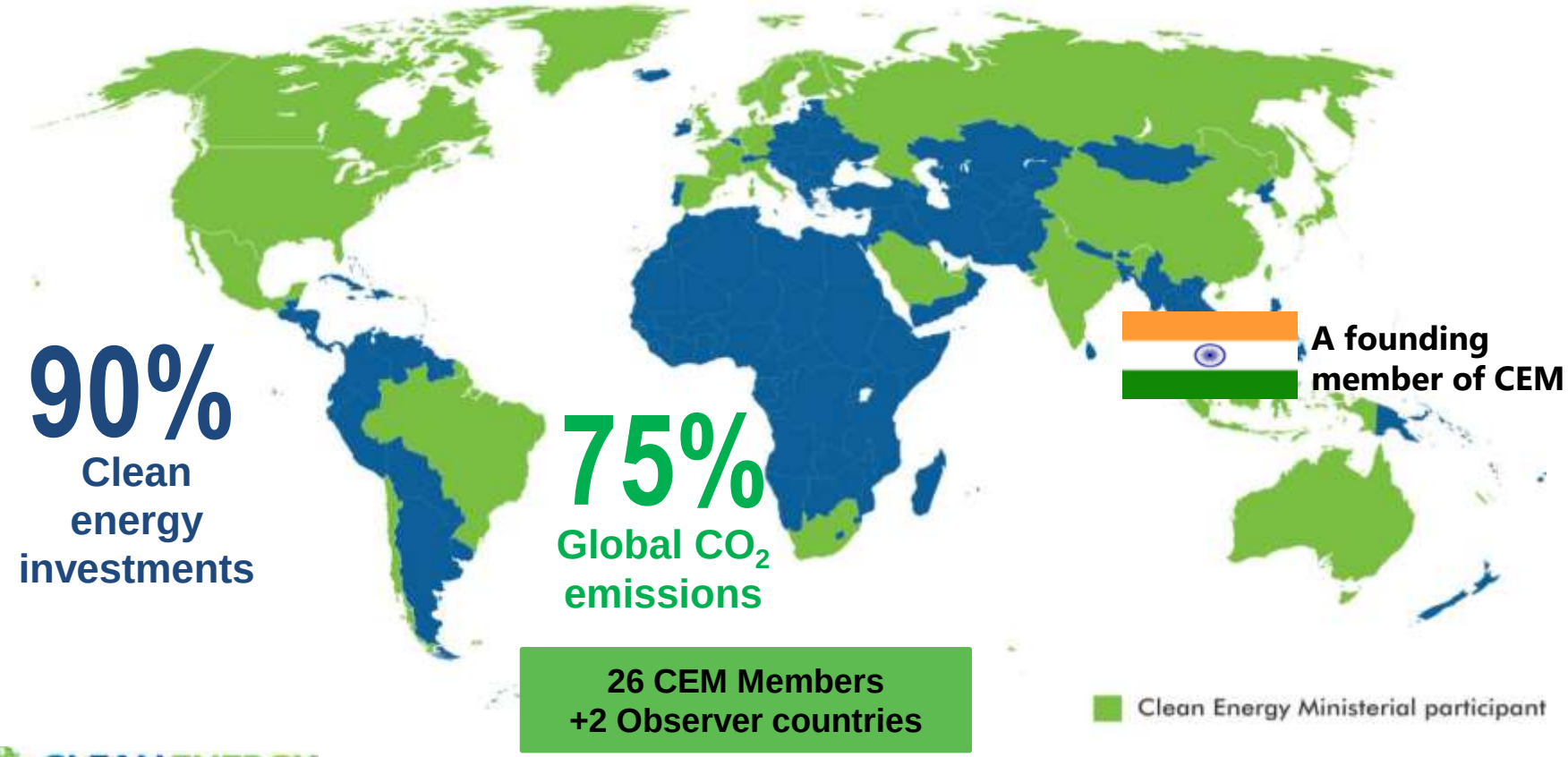
International Workshop on Energy Efficient Cooling
12-13th December, 2019, New Delhi

Sarbojit Pal, Manager of Partnerships
Clean Energy Ministerial (CEM)

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Advancing Clean Energy Together

CEMSecretariat

Clean Energy Ministerial (CEM) comprises a select group of countries



90%
Clean energy investments

75%
Global CO_2 emissions

A founding member of CEM

26 CEM Members
+2 Observer countries

Clean Energy Ministerial participant

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Unique ministerial platform dedicated to clean energy deployment









Year round Initiatives and Campaigns

ELECTRIC VEHICLES INITIATIVE · CLEAN ENERGY MINISTERIAL · CARBON CAPTURE UTILIZATION & STORAGE · CLEAN ENERGY SOLUTIONS CENTER · ENERGY MANAGEMENT WORKING GROUP · AC ADVANCED COOLING CHALLENGE · CEM CLEAN ENERGY MINISTERIAL GENDER EQUALITY · POWER SYSTEM FLEXIBILITY · 21st CENTURY POWER PARTNERSHIP · EV30@30 INCREASING · HYDROGEN INITIATIVE · IPEEC · DICE Future of Clean Energy · DISTRIBUTED GENERATION · 52ND SUPER-EFFICIENT · CSE INTERNATIONAL · SUSTAINABLE CITIES · REGIONAL & GLOBAL · ENERGY MANAGEMENT

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India organized the 4th CEM in New Delhi (2013)



"There is need for inter-country consultation and discussion in these areas to promote information exchange and to identify possible areas of collaboration, and also to learn from each other's experience in addressing common problems. The Clean Energy Ministerial has made a major contribution to such discussions."

Honorable ex-Prime Minister of India, Dr. Manmohan Singh, April 2013









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http://webcast.gov.in/planningcommission/cem4/index.html

Year-round technical work links with the yearly Ministerial

Annual Ministerial Meeting focused on Clean Energy



Annual Ministerial meeting gives direction to year round technical work

Year round technical work

INITIATIVES

CAMPAIGNS

Global analysis



In-country work



Year round technical work informs Ministerial discussions & domestic follow-up

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SEAD: Governments working together to save energy

SEAD SUPER-EFFICIENT EQUIPMENT & APPLIANCE DEPLOYMENT
AN INITIATIVE OF THE CLEAN ENERGY MINISTERIAL

Governments working together to save energy, turning knowledge into action, and advancing global markets to encompass energy efficient products



Operating Agent

iea

Partner organizations

clasp · BERKELEY LAB · UNEP

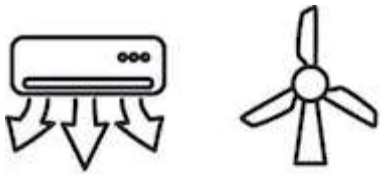
19 collaborating members

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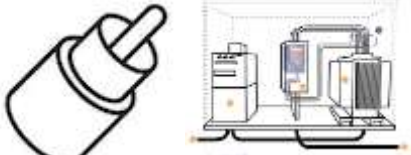
SEAD is an Initiative under the Clean Energy Ministerial and an IPEEC Task

Covering a wide range of equipment and appliances…..

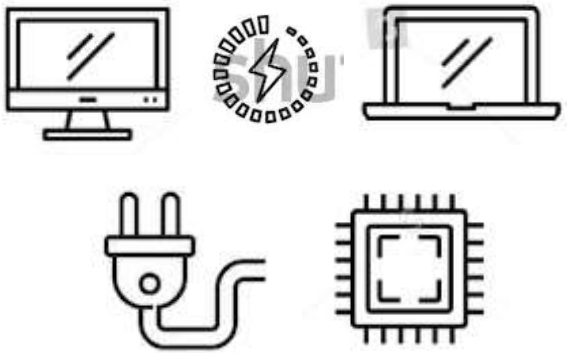
Cooling



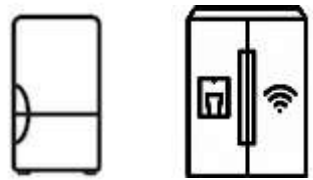
Equipment



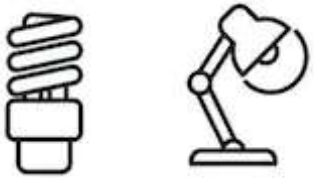
Electronics



Refrigeration



Lighting



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Techno-policy analysis to support energy efficiency policy development

Policy Research & Incentive designs





Standard & Labeling

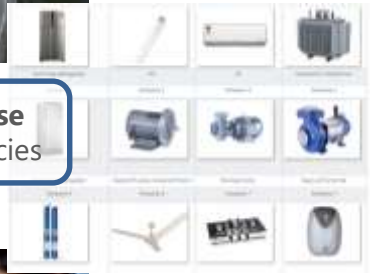


India's Bureau of Energy Efficiency, **developed the world's first standards for LEDs in 2012 and LED street lights in 2016** under SEAD. Helping lay the groundwork for India's (UJALA) program.

Tools for EE policy makers



Street Lighting Tool for municipal procurement



Global Policy Database for energy efficient policies



Improving test labs with common protocols and other **EE analysis modeling tools**

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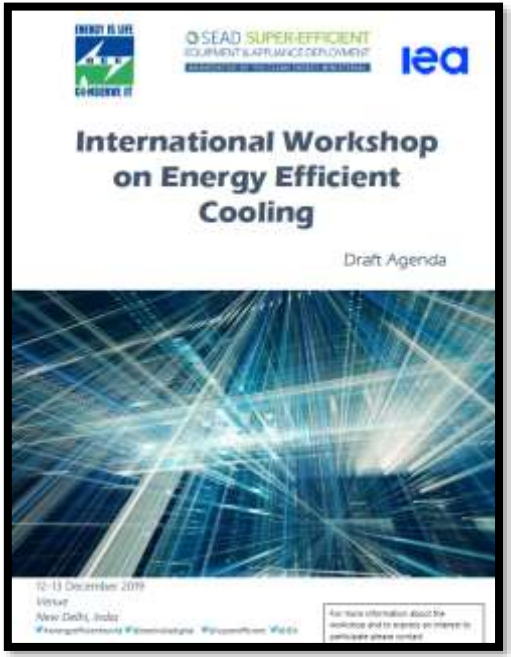
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Promoting exchange of ideas and best practices to raise ambition

Thematic Webinars for wide audiences



Workshops



Policy exchange forums for policy makers

SEAD Policy Exchange Forum

Communication Strategies for Energy Efficiency Labels

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Awards to encourage the deployment of the most efficient products



- Television Awards
- Lighting Awards
- Motor Awards
- Display Awards
- Connected Efficiency Award

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Focus on deployment: India's leadership on Global Lighting Challenge

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GLOBAL LIGHTING CHALLENGE

Ambition set to reach10B LED commitment

Global Lighting Challenge (GLC) launched at CEM6 (2015) and garners commitments at COP21

UJALA launched in 2015 and inspires a global effort

8 Billion

2016 - CEM7

Major private and public statements for GLC [Philips, White House, Vatican, IKEA];

Sweden launches national challenge to halve lighting energy use by 2020



10 Billion

2017 – CEM8

GLC starts leveraging the SEAD Awards to encourage high efficient lighting products

Campaign raises commitments from over 50 countries, manufacturers, and private institutions



14 Billion

2018 – CEM9

GLC is a resounding success with commitments of over 14B LEDs (1B from India, 5B from China).

The campaign was successfully concluded at CEM9

(May, 2018)

Showcased that it is possible to find synergies in public and private interests to catalyze market transformation

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Turning a new leaf: Proposed activities in the near future



SEAD

WATCH THE SPACE

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Thank you

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