



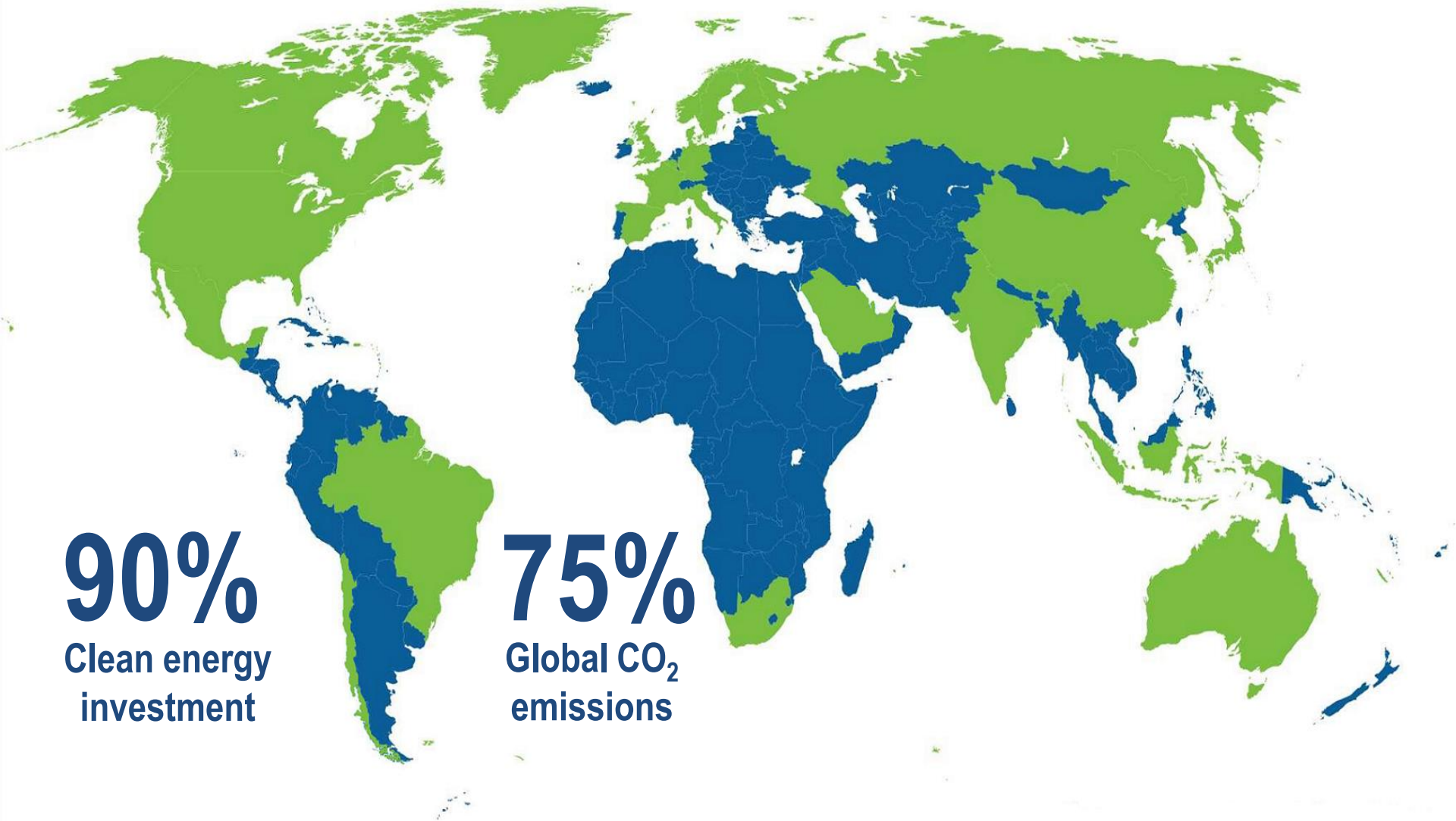
THE CLEAN ENERGY MINISTERIAL'S SUPER-EFFICIENT EQUIPMENT AND APPLIANCE (SEAD) INITIATIVE

Russ Conklin, on behalf of
Chad Gallinat, U.S. DOE (SEAD Coordinator)

For more: visit superefficient.org and cleanenergyministerial.org

CEM MEMBERSHIP

24 countries and the European Commission



90%
Clean energy
investment

75%
Global CO₂
emissions

ANNUAL MINISTERIALS

CEM7 - 2016

United States



CEM1 - 2010

United States



CEM2 - 2011

United Arab Emirates



CEM3 - 2012

United Kingdom



CEM6 - 2015

Mexico



CEM4 - 2013

India

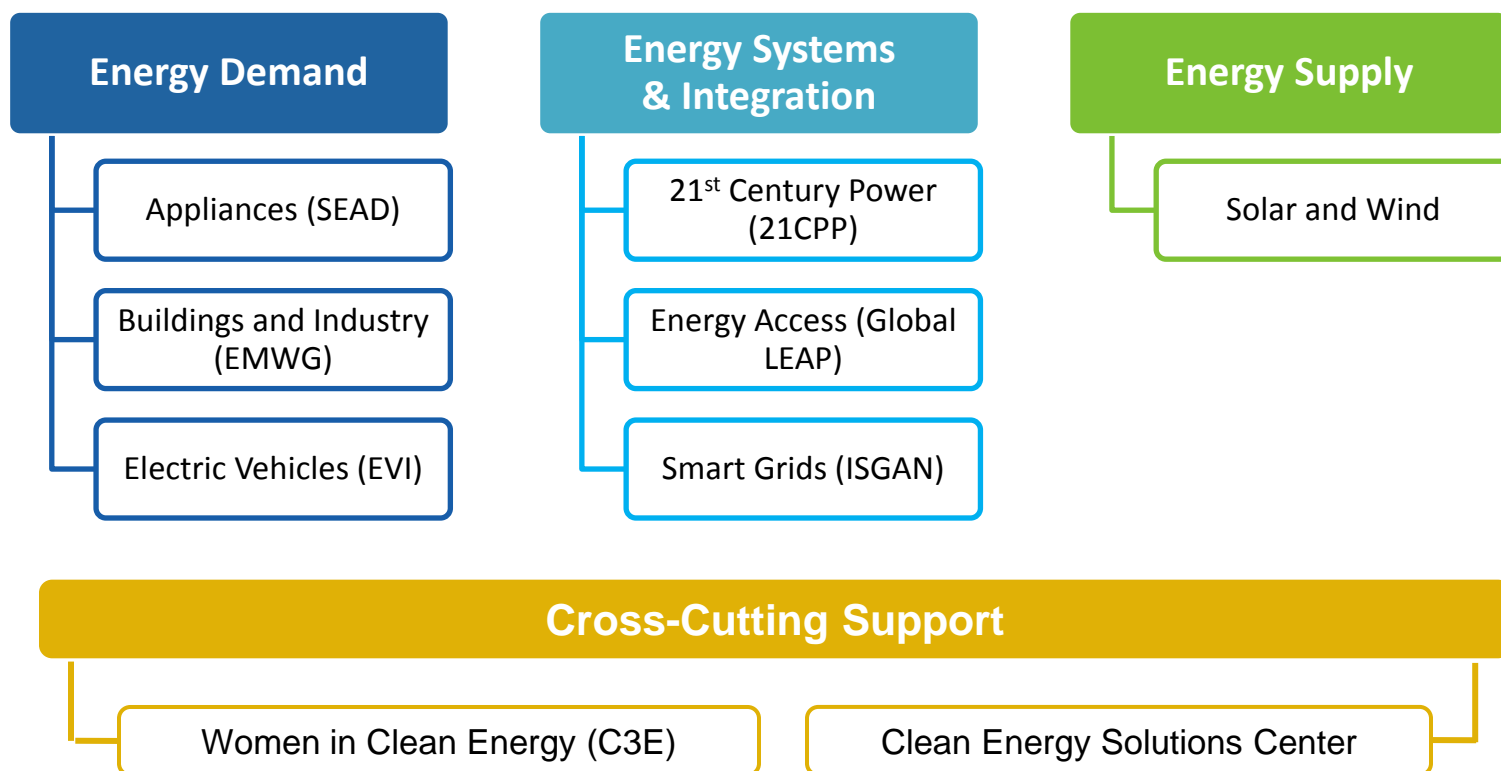


CEM5 - 2014

Korea

CEM INITIATIVES

Year-round technical and policy collaboration delivering tangible results



CEM CAMPAIGNS

short-term efforts to raise ambition, increase visibility, and target resources to initiative work and topic areas that have particular potential for impact

CEM6 Campaigns

Global Lighting Challenge	A global race to reach cumulative global sales of 10 billion high-efficiency, high-quality, affordable advanced lighting products, such as LEDs, as quickly as possible
Power System Challenge	A set of principles and a platform for actions to help guide country efforts toward the clean, reliable, resilient, and affordable power systems of the future
Expanded Clean Energy Solutions Center	A scaled-up Solutions Center to respond to significantly more requests for expert policy assistance and establish a new clean energy finance portal

CEM7 Campaigns

Advanced Cooling Challenge	Challenge governments and industry to develop and deploy at scale super-efficient, smart, climate-friendly, and affordable cooling technologies
Energy Management Campaign	Secure 50,0001 global certifications to the ISO 50001 energy management standard to transform how organizations meet sustainable energy goals
Corporate Sourcing of RE	Get more companies to commit to powering operations with renewables and deploy tools and resources to enable more companies, large and small, to do so

SEAD A GLOBAL INITIATIVE

GOVERNMENTS WORKING TOGETHER TO SAVE ENERGY

SEAD ECONOMIES ARE RESPONSIBLE FOR ABOUT HALF OF GLOBAL ENERGY DEMAND



★ China is an observer of the SEAD Initiative

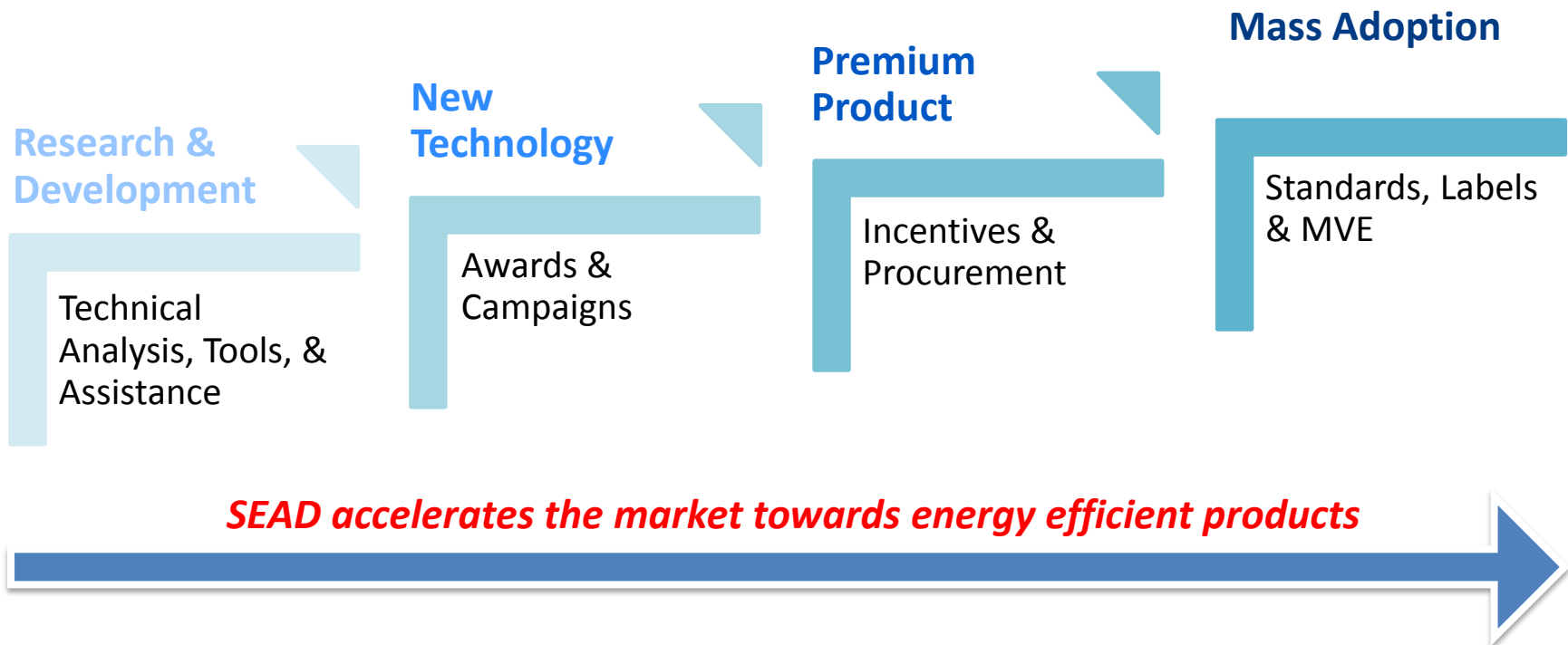
SEAD

Fosters global
collaboration
and partnership

increasing the
visibility of
energy
efficiency at
the highest
levels



STRENGTHEN PRODUCT ENERGY EFFICIENCY POLICIES



USING COMPLEMENTARY STRATEGIES

**Research &
Analysis**



**Implementation
& Training**

**Dialogue &
Collaboration**

KEY SEAD PROGRAM STRATEGIES TO SUPPORT DEVELOPMENT OF ROBUST STANDARDS AND LABELLING PROGRAMS

Research & Analysis

Research Projects

Tool Development

Technical analysis

Implementation & Training

Running Awards & Campaigns

Workshops

Trainings

Dialogue & Collaboration

SEAD Policy Exchange Forum

Government & Initiative Collaborations

Conferences

Research & Analysis

Research Projects

Tool Development

Technical Analysis

⇒ Product specific research to support country MEPS & labels development

⇒ Demand Response ready ACs in India

⇒ Registration database research & development

⇒ For example, LBNL's International Database of Efficient Appliances (IDEA) initiative

⇒ Policy modelling tools

Implementation & Training

Running Awards &
Campaigns

Workshops

Trainings

- ⇒ SEAD Global Efficiency Awards & Medal – currently working alongside 4E'S Electronic Devices and Networks Annex and the Connected Devices Alliance on a recognition award for communications protocols to be launched at CEM8
- ⇒ Global Lighting Challenge & Advanced Cooling Challenges
- ⇒ Training to support Indonesia S&L program - currently developing a roadmap to savings of 10 GW by 2025

Dialogue & Collaboration

SEAD Policy
Exchange Forum
(SPEx)

Government &
Initiative
Collaborations

Conferences

⇒ SPEx calls with SEAD and non-SEAD member countries and stakeholders

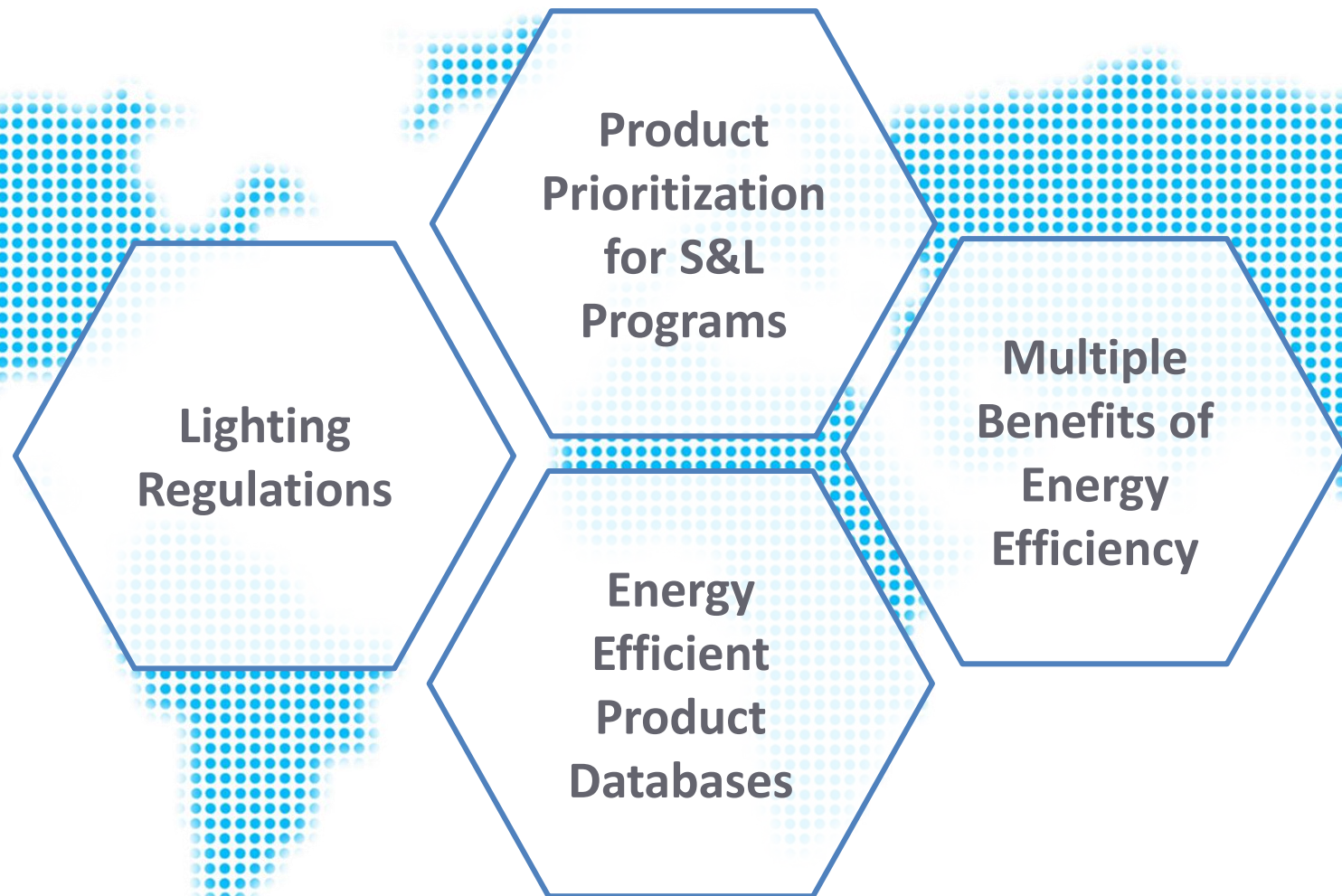
⇒ Formal Partnership with IEA 4E, with joint projects and participation in meetings

⇒ Presenting SEAD outputs at events, such as ACEEE, ECEEE, IEPPEC, and EEDAL






SEAD POLICY EXCHANGE FORUM (SPEx)



PREVIOUS SEAD POLICY EXCHANGE FORUM (SPEX) TOPICS



RELEVANT SEAD COLLABORATION ACTIVITIES AND OPPORTUNITIES

-  SEAD Policy Exchange Forum¹
-  Collaboration with the Connected Devices Alliance
ie. through a networked device award²
-  CEM8 roundtables³
-  Broad dissemination – especially in big developing economies
-  Existing SEAD resources and tools (ie. AC DR report⁴)

¹ <http://www.superefficient.org/About-Us/Policy-Exchange-Forum>

² <http://www.superefficient.org/Global-Efficiency-Medal>

³ http://www.cleanenergyministerial.org/Portals/2/pdfs/CEM7_Roundtables_Report_Web_Version_Final.pdf

⁴ <http://www.superefficient.org/Research/PublicationLibrary/2015/Considerations-in-Standardization-for-Demand-Response-Ready-Air-Conditioners-in-India>