

CLEAN ENERGY MINISTERIAL: CLEAN ENERGY SOLUTIONS CENTER

COUNTRY ENGAGEMENT AND PARTICIPATION ACROSS PILLARS: OPPORTUNITIES FOR ECPA COLLABORATION

October 20th, 2016, Jessica McDonald, U.S. Department of Energy

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Ask an Expert

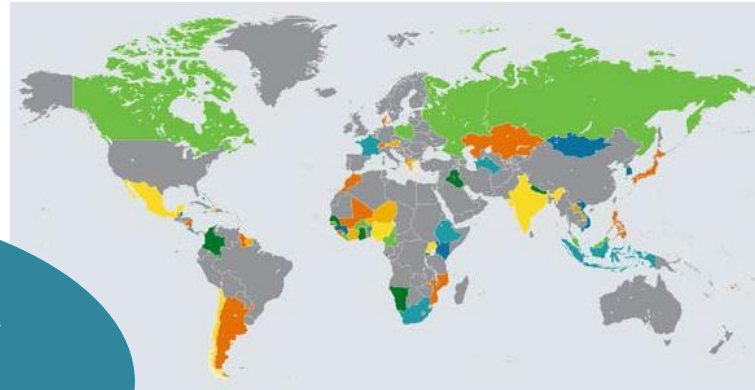
Past to Future: Partnership Between ECPA/Solutions Center

Ask an Expert: Solutions to Policy Barriers

We connect you to a global network of energy experts for personalized attention and quick response technical assistance on **strategies, regulations, standards, financial incentives, and deployment programs** for a broad range of clean energy sectors and technologies including:

- Energy Access
- Energy Efficiency
- Renewable Energy
- Smart Grid
- Transportation
- Utilities

Delivered
no-cost assistance for
more than 300
requests from over 90
countries.



Ask an Expert in Americas

- **Mexico:** Assisted with appliance standards and labeling programs, cool surface policies, and building certification rating incentives
- **Latin America Caribbean United Nations Development Program Office:** Provided 'best practice' information on policies to support geothermal deployment
- **Belize:** Assisted with development of minimum energy performance standards (MEPS)
- **Chile:** Assisted Chile with energy access programs focused on renewable energy projects
- **Antigua & Barbuda:** Support with INDC analysis and creation of the sustainable island resource fund (SIRF) (120 hours).

Ask-an-Expert : Policy Support Levels

Solutions Center experts can provide various levels of support depending on the complexity of the request:

1. Short turn-around requests : 1 - 20 hours
2. Higher-level support : 20 - 40 hours
3. In-depth support : 40 - 120 hours

- ✧ Potential opportunity to provide on-site support in country locations
- ✧ On-site workshops where large number of policymakers are convened, including side events at conferences and events
- ✧ Contact Jessica.McDonald@hq.doe.gov with any questions

Ask-an-Expert Process

1. Government representatives submit requests by:
 - ✧ Utilizing the Ask-an-Expert form provided on CESC website at <https://cleanenergysolutions.org/>
 - ✧ **Submitting an email request: expert@cleanenergysolutions.org**
2. NREL reviews requests, and an initial response is provided within 2 business days
3. Scoping call between NREL's Ask-an-Expert lead and the requester is conducted to assess details and scope of policy/program needs
4. Matchmaking – NREL's Ask-an-Expert lead identifies the appropriate expert to provide support; matching expertise to policy needs
 - ✧ Ask-an-Expert lead facilitates introductions and communications between expert & requester

Ask-an-Expert Process

5. Expert works directly with requester and other stakeholders to assure needs are met and results are delivered
6. NREL's Ask-an-Expert project lead monitors progress throughout the assistance process to assure quality service is delivered
7. Details of expert support outcomes and findings are provided in report and/or presentation format
8. Once completed, requestor completes a feedback survey on how the assistance will be utilized and provides quotes on value
9. NREL's Ask-an-Expert lead and/or expert follows up with requestor in ~6 months to assess progress and outcomes
10. More than one request from a country, region, or locality is permitted

Presentation

Solutions Center Background & Vision

Helps governments design and adopt policies and programs that support the deployment of clean energy technologies

The Solutions Center:

- Is one of several CEM Initiatives, which include:
 - ✧ International Smart Grid Action Network
 - ✧ 21st Century Power Partnership
 - ✧ Global Lighting and Energy Access Partnership
 - ✧ Energy Management Campaign and ISO 50001



CEM Participation

Participation in Clean Energy Ministerial Initiatives and Campaigns

August 2016

Participation in Clean Energy Ministerial Initiatives and Campaigns																											
August 2016																											
		AUSTRALIA	BRAZIL	CANADA	CHILE	CHINA	DENMARK	EUROPEAN COMMISSION	FINLAND	FRANCE	GERMANY	INDIA	INDONESIA	ITALY	JAPAN	KOREA	MEXICO	NORWAY	RUSSIA	SAUDI ARABIA	SOUTH AFRICA	SPAIN	SWEDEN	UNITED ARAB EMIRATES	UNITED KINGDOM	UNITED STATES	
APPLIANCES (SEAD)	Initiatives	●	●	●	●		●			●	■	●				●	●		●	●	●		●	●	●	■	
ELECTRIC VEHICLES (EVI)				●		■				●	●				●	●		●			●		●	●	●	■	
ENERGY MANAGEMENT (EMWG)		●		●	●				●		●	●	●			●	●	●		●	●		●	●		■	
21 ST CENTURY POWER (21CPP)							●		●			■					●					●	●			■	
ENERGY ACCESS (GLOBAL LEAP)															●					●	●				●	■	
SMART GRIDS (ISGAN)		●		●		●	●	●	●	●	●	●			■	●	■	●	●	●		●	●	■			■
SOLAR AND WIND							■				●	■	●	●		●	●	●	●		●	●	■				●
CLEAN ENERGY POLICY (SOLUTIONS CENTER)		■		●							●		●	●	●			●						●			■
WOMEN IN ENERGY (C3E)													●			●		●						●	●		■
ADVANCED COOLING CHALLENGE	Campaigns			●		●						●								●						●	
CORPORATE SOURCING OF RENEWABLES CHALLENGE						●	●	●			●						●						●		●	●	
ENERGY MANAGEMENT CAMPAIGN				●	●				●		●		●			●	●	●						●		●	
GLOBAL LIGHTING CHALLENGE						●		●		●	●	●	●				●	●		●		●		●	●	●	
POWER SYSTEMS CHALLENGE							●	●	●	●	●	●	●	●		●	●	●	●			●		●	●		●

Non-CEM countries, non-governmental organizations, and private businesses also participate in selected initiatives and campaigns.

■ Lead ● Participant

Clean Energy Solutions Center

Goals & Audiences

Goals

- **Serve** as a first-stop clearinghouse of clean energy policy resources.
- **Share** policy best practices, data, & analysis tools across countries.
- **Deliver** dynamic services that enable expert assistance, learning, & knowledge sharing.
- **Foster** dialogue on emerging policy issues & innovation across the globe.
- **Serve** as the primary resource for project financing options and information to expand markets for clean energy

Target Audience

Primary

Government Policy Makers & Advisors:

All of you!

International Partners

- Has more than 35 international partners
 - IRENA
 - IEA
 - Sustainable Energy for All
 - OAS
 - Bloomberg New Energy Finance
 - Leonardo Energy
 - ECPA



Activities:

Training/Peer-to-Peer Learning

- Webinars, training events, videos & other resources

Resources

- Reports, data, & analysis tools related to clean energy policy

Ask-an-Expert

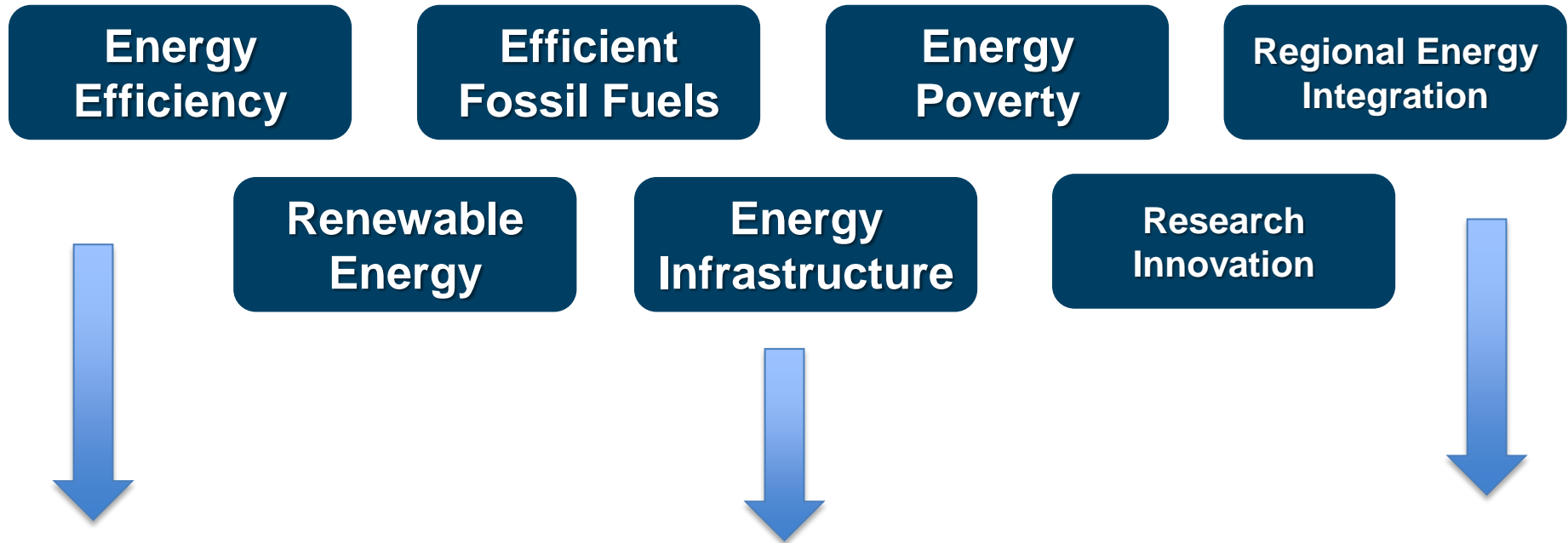
- Technical assistance from global experts on clean energy policy topics

Past to Future: Partnership Between ECPA/Solutions Center

Training/Peer-to-Peer Learning

- **Hosted over 200 webinars with more than 15,000 participants, with more than 1/3 participants from the Americas**
 - Access to Energy in Peru
 - Clean Energy in Island Settings
 - REN21: Global Status Report: Latin and South America

Looking Ahead: ECPA / Solutions Center



Training/Peer-to-Peer Learning through Solutions Center

Working through ECPA, current regional leaders can lead an enhanced dialogue to support clean energy policies

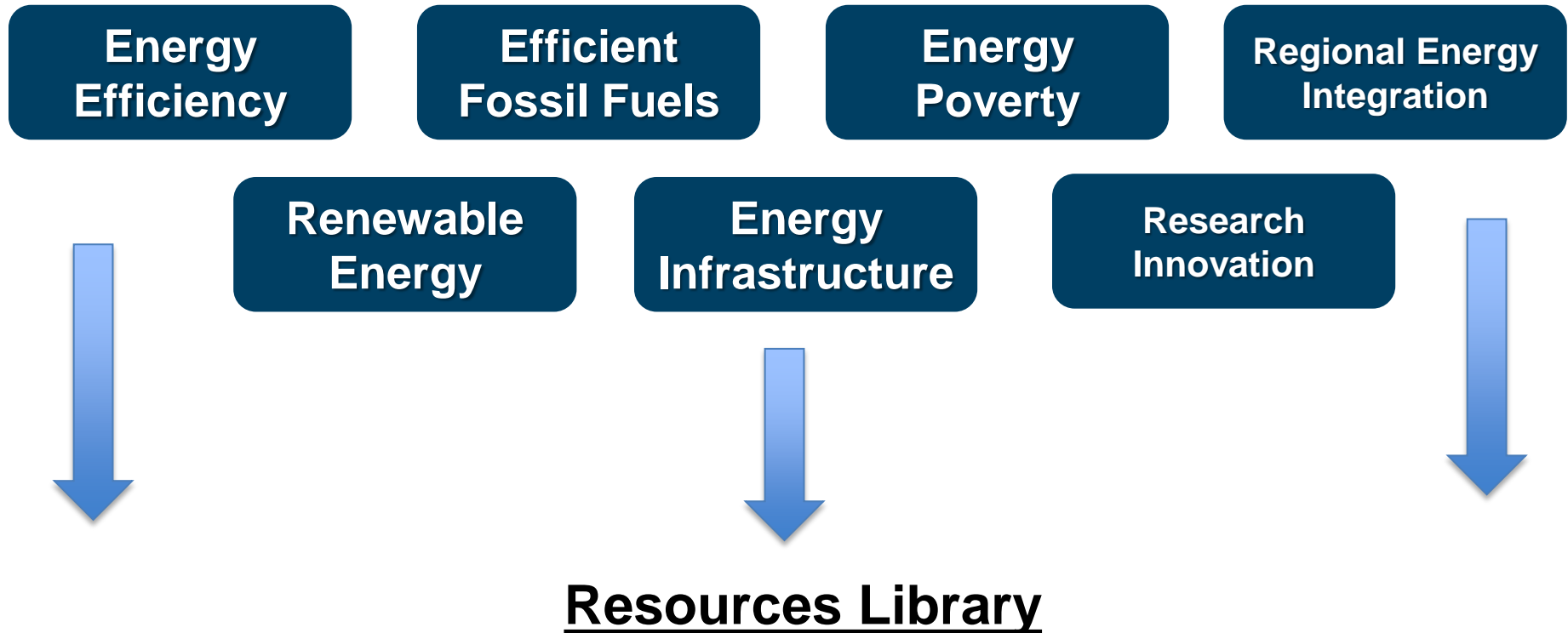
- Host/Sponsor a Webinar
- Country/Regional policy workshops

Past to Future: Partnership Between ECPA/Solutions Center

Resources

- Host a curated library of over 2,500 clean energy policy reports, policy data, and policy tools
 - Energy Access in Central America
 - Opportunities and Domestic Barriers to Clean Energy Investment in Chile
 - Solar PV in the Caribbean: Opportunities and Challenges
 - Societal Benefits from Renewable Energy in Latin American and the Caribbean

Looking Ahead: ECPA / Solutions Center



Working through ECPA, current regional leaders can tailor resources to meet specific country and regional needs

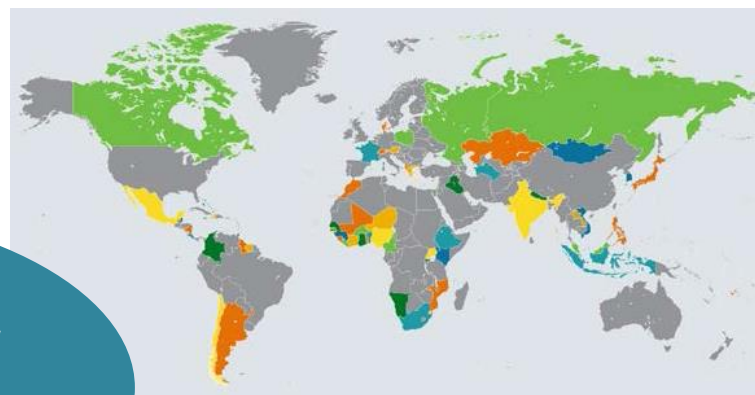
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Looking Ahead: ECPA / Solutions Center

Energy
Efficiency

Efficient
Fossil Fuels

Energy
Poverty

Regional Energy
Integration

Renewable
Energy

Energy
Infrastructure

Research
Innovation



Ask an Expert Assistance (AaE)

Working through ECPA, countries can explore opportunities for policy assistance by utilizing the AaE service and highlighting progress and impacts

Questions for Discussion

How do you see your region and/or country engaging with the Solutions Center within the ECPA pillars?

- Examples:
 - Use Solutions Center as a platform for peer learning and exchange of experiences across ECPA regions
 - Help grow Solutions Center team of experts with your own country expertise within the ECPA pillars
 - Engage in the creation of tailored webinars by sponsoring a webinar and/or providing content to meet your country priorities/needs
 - Utilize the no-cost AaE service to design and implement effective clean energy policies and programs within your region/country

ENERGY MANAGEMENT CAMPAIGN

Proposal: ECPA Energy Management Campaign

A PARTNERSHIP TO BOOST REGIONAL ENERGY EFFICIENCY THROUGH ISO 50001

Working through the Energy and Climate Partnership of the Americas, current regional leaders can lead an enhanced regional dialogue to support robust ISO 50001 policies and program development to meet national and regional priorities and goals, as well as contribute to international cooperation through the Energy Management Campaign.

An international assembly of high-level clean energy leaders launched the **Energy Management Campaign** at the 7th Clean Energy Ministerial in June 2016 including the following ECPA members:

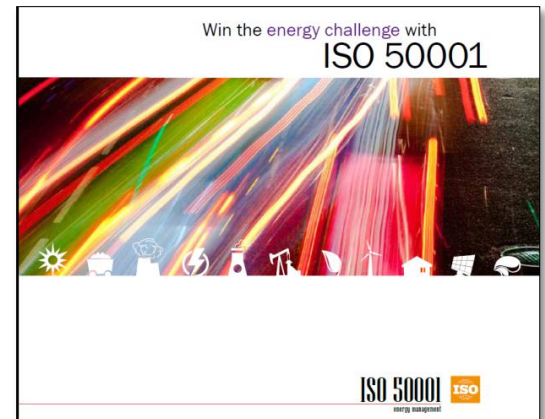
- Chile
- Canada
- Mexico
- United States



ECPA Energy Management Campaign

RATIONALE FOR INTERNATIONAL COOPERATION ON ISO 50001

To maximize the value of ISO 50001 as a national energy efficiency strategy, governments must be proactive and work with national and international stakeholders to ensure that the ISO 50001 standard is implemented robustly and consistently according to international best practices.



The **Energy Management Campaign** is a call to action and cooperation —urging governments, business, industry, and other key partners to use the ISO 50001 standard as a transparent mechanism to demonstrate progress towards climate and energy goals while improving the competitiveness and energy efficiency of industry.

ECPA Energy Management Campaign

PROPOSED KEY PRINCIPLES & THEMES

Principles	Themes
ISO 50001 provides a framework for measuring climate impacts	Regional Dialogue to Discussion Priorities and Strategies for Robust Regional ISO 50001 Implementation.
Qualified ISO 50001 professionals maximize global impacts	Development of Regional and National Implementation Plans.
Robust ISO 50001 certification strategies support consistent global outcomes	Conduct Regional Workshops to Engage Critical Partners for Regional and National Strategy.
International input strengthens the market relevance of ISO 50001 portfolio	Work through high-level forums, such as ISO Technical Committee 301, ECPA and CEM, at the global level to leverage international cooperation and maintain consistency with international ISO 50001 standards, guidance and best practices.

Thank You!

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