

# CLEAN ENERGY SOLUTIONS CENTER

## Linking heat and electricity systems: Co-generation and District Heating and Cooling Solutions for a Clean Energy Future

June 5, 2014



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**Welcome & Introductory Remarks**

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**Overview of the Clean Energy Solutions Center**

- **Sean Esterly**  
National Renewable Energy Laboratory

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**Presentations**

- **Didier Houssin**  
Director, Sustainable Energy Policy and Technology, International Energy Agency
- **Jorge Javier Mañón Castro**  
Deputy Director of Benchmark and Indicators, Pemex
- **Per Alex Sørensen**  
Head of Strategy and Planning, PlanErgi
- **Araceli Fernandez Pales**  
Energy Technology Analyst, International Energy Agency

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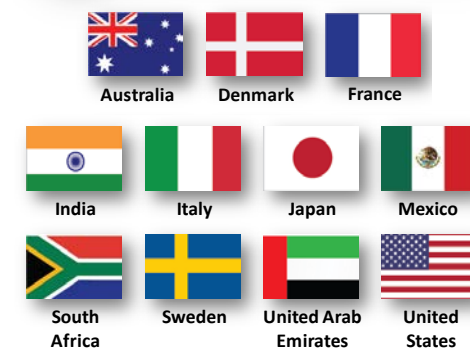
**Question and Answer Session**

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**Attendee Survey**

## The Clean Energy Ministerial (CEM) launched the Clean Energy Solutions Center in April 2011 for major-economy countries.

- One of 13 CEM Initiatives (including Global LEAP, ISGAN, SEAD Initiative, and 21st Century Power Partnership)
- Led by U.S. Department of Energy, Australia Department of Industry, International Copper Association, and other CEM partners
- Solutions Center is unique as a CEM initiative that delivers services to all developing and developed countries.
- Has nearly 35 partners, including UN-Energy, IRENA, IEA, IPEEC, Bloomberg New Energy Finance and Leonardo Energy



## Goals

- **Serve** as a first-stop clearinghouse of clean energy policy resources.
- **Share** policy best practices, data, and analysis tools across countries.
- **Deliver** dynamic services that enable expert assistance, learning, and peer-to-peer sharing of experiences.
- **Foster** dialogue on emerging policy issues and innovation across the globe.

### Primary

- Government Policy Makers
- Advisors

### Secondary

- Private Sector Companies
- Energy Entrepreneurs and Investors
- Non-Governmental Organizations
- Civil Society
- Others Engaged in Clean Energy

## Target Audiences

CleanEnergySolutions.org

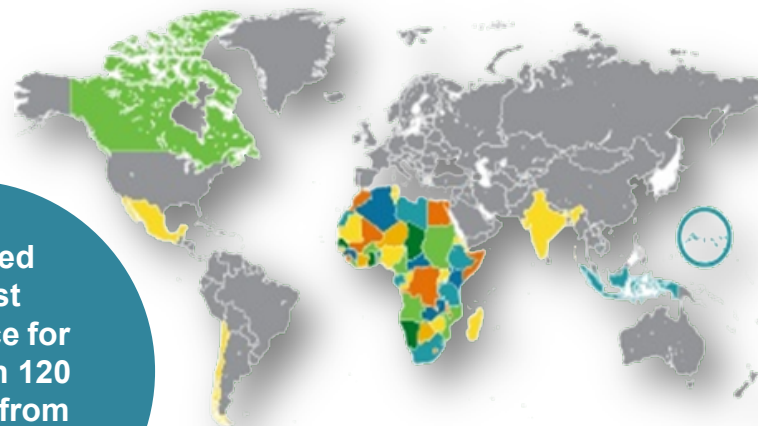


Connects policymakers to a global network of more than 30 energy experts for quick-response technical assistance on policies and programs relating to:



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

Delivered no-cost assistance for more than 120 requests from over 60 countries.



To request assistance, register on <http://cleanenergysolutions.org/expert>





## Ask-an-Expert

- Technical assistance from global experts on clean energy policy topics

## Training/Peer-to-Peer Learning

- Webinars, videos and other resources

## Resources

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

## Stay Informed

- Subscribe to our newsletter for clean energy policy updates

# Didier Houssin - Director of Sustainable Energy Policy and Technology at the International Energy Agency

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**Didier Houssin** became Director of Sustainable Energy Policy and Technology at the International Energy Agency on 1 December 2012. Previously, he served for five years as Director of Energy Markets and Security. Before joining the International Energy Agency, Mr. Houssin, a French national, was Managing Director of BRGM, the French Geological Survey where, since 2004, he had extensive management responsibilities over the 850-strong group. Among other matters, he was involved at BRGM in carbon capture and sequestration and in geothermal energy. Prior to joining BRGM, Mr. Houssin was the former Director of Energy and Mineral Resources in the French Ministry of Economy between 1997 and 2004. Mr. Houssin graduated from the Ecole Nationale d'Administration and has a Masters in International Law.

# Jorge Javier Mañón Castro - Deputy Director of Benchmark and Indicators, Pemex

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**Jorge Javier Mañón Castro** is the Deputy Director of Benchmark and Indicators at Pemex. Mr. Mañón is specialised in natural gas, regulation, electricity and co-generation in Pemex, and he has a Masters degree in Chemical Engineering and an MBA from University of Texas.

# Per Alex Sørensen - Head of Strategy and Planning, PlanEnergi

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**Per Alex Sørensen** is the Head of the Department of Strategy and Planning at PlanEnergi. Mr. Sørensen develops several functions such as project management, planning, product development and advising building owners. His professional specialisation is energy planning, energy saving, solar energy, biomass, district heating centrals with biomass, decentralised co-generation and long-term heat storage.

# Araceli Fernandez Pales - Energy Technology Analyst, International Energy Agency

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**Araceli Fernandez Pales** works for the IEA as Energy Technology Analyst in the areas of Heavy Industry and Co-generation. She has a background on Chemical Engineering with experience in the Oil & Gas sector. Ms. Fernandez previously worked for British Petroleum UK focusing on process and energy optimisation in Refinery Plants. Most recently, she worked for Tecnicas Reunidas in Spain (an engineering & construction company) focusing on energy efficiency upgrade projects for Refinery Plants and specialising in designing thermal/combustion equipment. She holds an MSc on Process Systems Engineering from Cranfield University (UK) and an MEng on Chemical Engineering from UPV University (Spain).

Please submit any questions through the “Question Pane” of the GoToWebinar panel

## Questions



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