

Research & Innovation Needs for Smart Grid Transition

29th March 2017

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Some Housekeeping Items (continued)

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- *The Clean Energy Solutions Center does not endorse or recommend specific products or services. Information provided in this webinar is featured in the Solutions Center's resource library as one of many best practices resources reviewed and selected by technical experts*

Agenda

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Welcome & Introductory Remarks

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Overview of the Clean Energy Solutions Center

- **Stephanie Bechler**, National Renewable Energy Laboratory

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Presentations

- **Eric Peirano**, Executive Vice-President, Technofi
- **Klaus Kubeczko**, Senior Expert Advisor and Scientist, Center for Innovation Systems and Policy (CrISP)

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Question and Answer Session

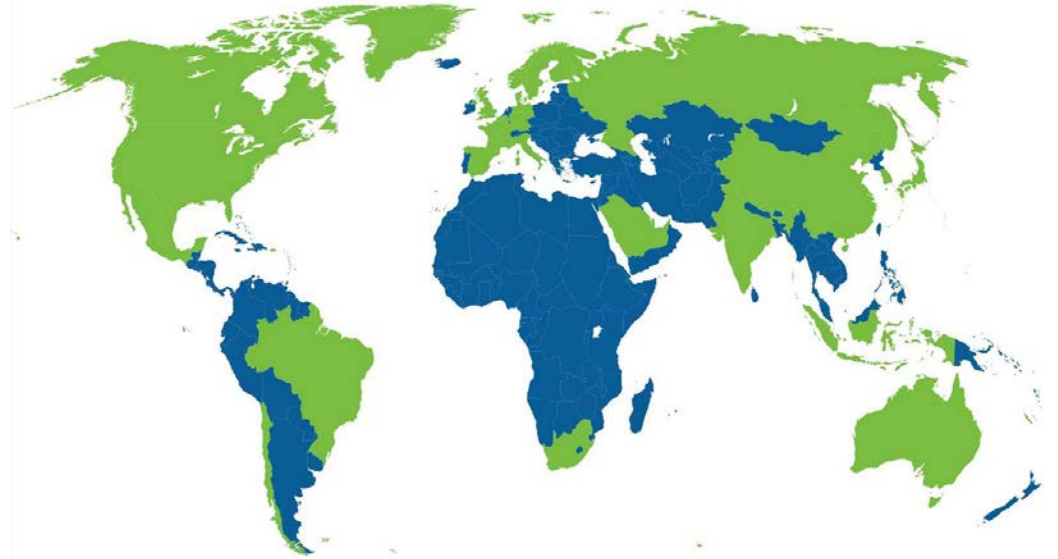
Clean Energy Ministerial

The Solutions Center:

- Launched under the Clean Energy Ministerial (CEM) in 2011

Clean Energy Ministerial:

- A high-level global forum to promote policies and programs that advance clean energy technology, to share lessons learned and best practices, and to encourage the transition to a global clean energy economy.



90%
of
Clean energy
investment

&

75%
of
Global CO₂
emissions

Solutions Center: Background & Vision

The **Solutions Center** helps governments design and adopt policies and programs that support the deployment of clean energy technologies.

Led by Australia, Sweden, and United States, with in-kind support from Canada and Mexico.



Solutions Center: Goals and Audience

Programs and Services

- **Team of 60+ experts from around the globe delivered technical support for 350+ policy requests from more than 80 countries**
 - Extensive support across Africa, Asia, and LAC
 - Launched support for finance measures and finance portal in 2015
- **Trained over 15,000 officials through more than 225 webinars and training events with others**
- **Strong & growing partnerships with development agencies and regional and global organizations in delivery of support**
- **Over 5500 resources in curated library for policy makers**

Target Audiences

- **Primary**
 - Government Policy Makers and Advisors
- **Secondary**
 - Private-Sector Companies
 - Energy Entrepreneurs and Investors
 - Non-Governmental Organizations
 - Civil Society
 - Others Engaged in Clean Energy

Solutions Center: Partnerships

More than 35 international partners

- IRENA
- IEA
- Sustainable Energy for All (SE4ALL)
- Bloomberg New Energy Finance
- United Nations Environment Programme (UNEP)
- ECOWAS Center for Renewable Energy and Energy Efficiency
- Power Africa

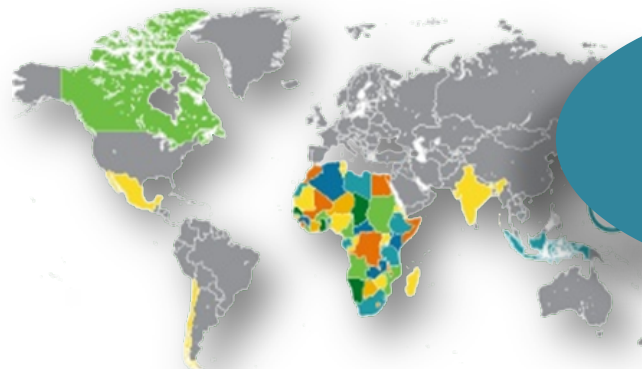


Ask an Expert: Our Experts in Action



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



Responded to more than 300 requests from over 90 countries.

Go to <https://cleanenergysolutions.org/expert> to submit a request!

Klaus Kubeczko, Senior Expert Advisor, Center for Innovation Systems and Policy



Klaus Kubeczko is senior expert advisor and scientist at the Center for Innovation Systems and Policy (CrISP) at AIT – Austrian Institute of Technology GmbH. He has an industry background as electrical engineer and holds a PhD in Socio-Economics. His expertise covers strategic foresight and innovation studies with a thematic focus on grand societal challenges and energy and transport network infrastructures and has been advising policy makers at global, European, national and city level on these topics for more than 15 years. He has been working on several foresight processes on de-carbonization and transition of the energy and mobility systems with strong stakeholder involvement in foresight and road-mapping processes. Recently he provided strategic advice on developing strategic research agendas including the Austrian SRA on Intelligent Energy Systems, the JPI-Urban Europe SRA, amongst others. Currently, he is Innovation Manager of the H2020 Smart City Lighthouse Project RUGGEDISED and coordinates the ERANET Smart Grid plus project ReFlex on the replicability guidelines for flexibility solutions with a Community of Practice bringing together 8 smart grid demo-sites. As Operating Agent of the Annex 7 of the IEA-TCP ISGAN he is developing the SRA on Smart Grid Transition.

Eric Peirano, Executive Vice President, Technofi



Eric Peirano graduated in 1990 from ENSAM Paris in mechanical engineering and in 1991 from California State University in computer simulation. From 1991 to 1993, he occupied various R&D positions in the field of real-time simulation, in particular thermo-hydraulic applications. In 1992, he moved to Sweden where he obtained a Ph.D. in Energy Conversion at Chalmers University (1998). From 1997 to 1998, he was a consultant in several industrial fields (process, energy and transport). In 2000, he joined INRIA in Sophia-Antipolis as guest researcher where he developed probabilistic numerical methods for problems in industrial fluid mechanics. In 2002, he entered ADEME as an expert in charge of the development of R&D activities in the renewable energies sector as well as smart grids. In 2006, he became Deputy Head of the Renewable Energies Department at ADEME. After obtaining a Master's degree in finance (Risk and Asset Management) from Edhec Business School in 2009, he joined Technofi as executive Vice-President where he currently develops a commercial offer in the fields of low carbon electricity, smart buildings and cities, and eco-manufacturing.

Question and Answer Session

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THANK YOU!

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