



Leveraging Open Data and Analytics toward Universal Access: New Open Source Tool Supports Better Electrification Planning

20 July 2017



Some Housekeeping Items

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Agenda

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**Welcome &
Introductory
Remarks**

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**Overview of the
Clean Energy
Solutions Center**

- **Eric Lockhart**, Clean Energy Solutions Center

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Presentations

- **Dimitris Mentis**, Lead Researcher, KTH Royal Institute of Technology
- **Yann Tanvez**, Energy Specialist, World Bank

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**Question and
Answer Session**

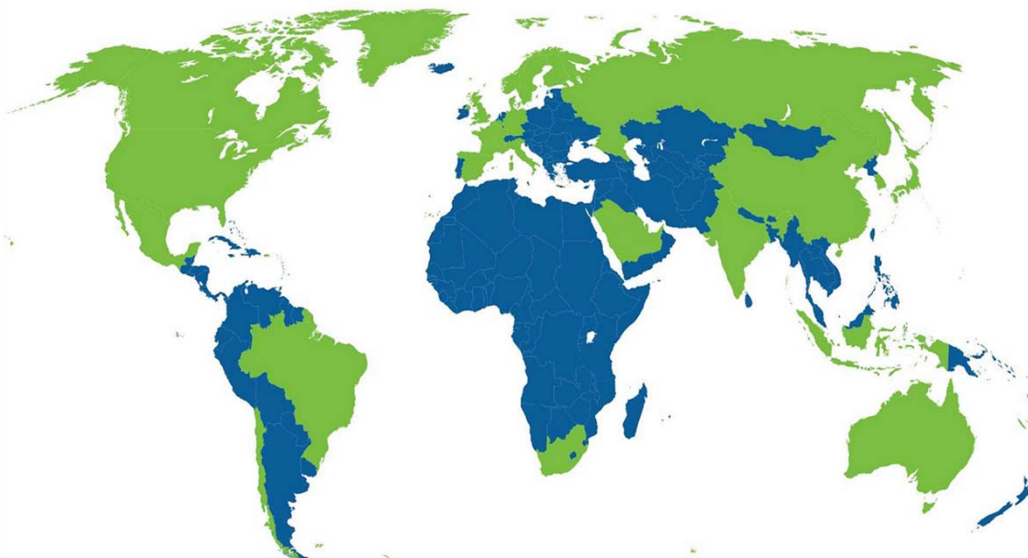
Clean Energy Ministerial

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

- Multilateral initiative, of the Clean Energy Ministerial, has been co-led by the Australian Department of the Environment and Energy, and the U.S. Department of Energy. Additional funding support from Sweden's Ministry of the Environment and Energy, and Power Africa
- In-kind support from Canada and Mexico
- The Solutions Center is a unique CEM initiative assisting countries in all regions of the world in strengthening clean energy policies and finance measures
- Supporting transition of clean energy markets and technologies



*US participation & leadership are under review.

Solutions Center: Goals and Audience

Programs and Services

- **Team of 50+ experts from around the globe responded to 350+ requests for policy support from more than 80 countries**
 - Extensive support across Africa, Asia, and LAC
 - Launched support for finance measures 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:

- Climate Technology Center and Network (CTCN)
- ECOWAS Center for Renewable Energy and Energy Efficiency (ECREEE)
- Inter-American Development Bank (IDB)
- International Energy Agency (IEA)
- International Partnership for Energy Efficiency Cooperation (IPEEC)
- International Renewable Energy Agency (IRENA)
- Low Emission Development Strategies Global Partnership (LEDS-GP)
- Renewable Energy Policy Network for the 21st Century (REN21)
- Sustainable Energy for All (SEforALL)
- United Nations Environment Programme (UN Environment)
- USAID Power Africa (USAID PA)

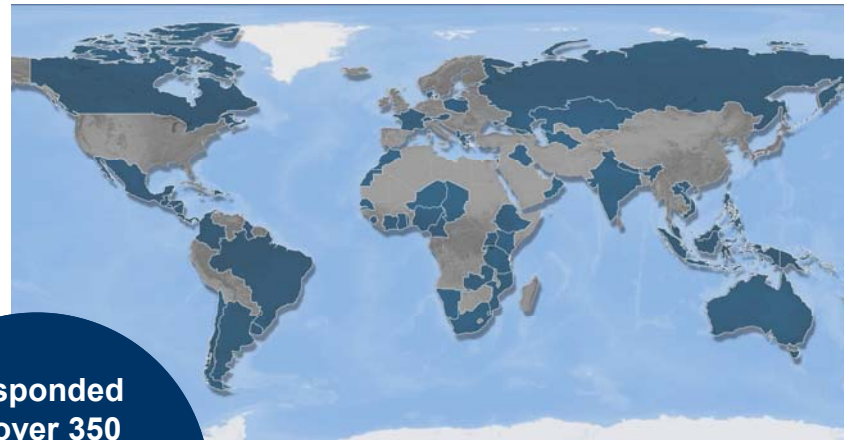


Ask an Expert: Our Experts in Action



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 energy transition programs** for a broad range of clean energy sectors and technologies including:

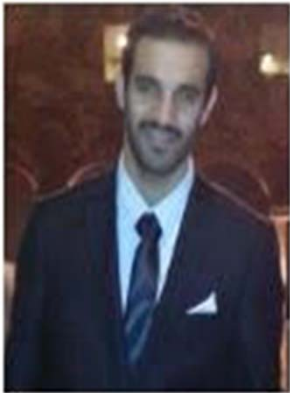
- Carbon Capture Utilization & Storage
- Energy Access
- Energy Efficiency
- Renewable Energy
- Smart Grid
- Transportation
- Utilities



Responded to over 350 requests for assistance from over 80 countries.

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

Dimitris Mentis, Lead Researcher, KTH Royal Institute of Technology



Dimitris Mentis is a lead researcher at the division of Energy Systems Analysis at KTH Royal Institute of Technology. His work focuses on linking Geographic Information Systems (GIS) and electricity planning to estimate investment and capacity needs to provide access to electricity to the unserved. Dimitris together with colleagues has developed an innovative Open Source Spatial Electrification Tool (OnSSET) in collaboration with the International Energy Agency (IEA), United Nations Department of Economic and Social Affairs (UNDESA), World Bank and ABB.

Yann Tanvez, Energy Specialist, World Bank



Yann Tanvez is an energy specialist at the World Bank. His work focuses on energy access strategies globally and large scale renewable energy investments in Sub-Saharan Africa. Yann also currently leads the Bank energy practice open data and analytics program aimed at leveraging data innovations towards accelerating progress towards universal access to affordable, reliable, sustainable and modern energy.

Question and Answer Session



**Dimitris Mentis,
Lead Researcher,
KTH Royal Institute of
Technology**



**Yann Tanvez,
Energy Specialist,
World Bank**

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THANK YOU!

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