

# Tools to Facilitate Mini-grid Deployment

17 November 2015

# Disclaimer

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# Some Housekeeping Items

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# Agenda

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**Overview of the  
Clean Energy  
Solutions Center**

- **Sean Esterly**, National Renewable Energy Laboratory

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**Presentations**

- **Tripta Singh**, Director for Energy Access, UN Foundation
- **Bozhil Kondev**, Energy Advisor, GIZ
- **Peter Lilienthal**, President/CEO, HOMER Energy
- **Pierre Telep**, Energy Advisor, GIZ

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**Question and  
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# Solutions Center Background and Vision

CleanEnergySolutions.org

**The Clean Energy Ministerial (CEM) launched the Clean Energy Solutions Center in April 2011. The Solutions Center:**

- Is one of 13 CEM Initiatives, which include:
  - Global Superior Energy Performance Partnership
  - Super-Efficient Equipment and Appliance Deployment initiative
  - Global Lighting and Energy Access Partnership
- Helps governments design and adopt policies and programs that support the deployment of clean energy technologies
- Has more than 35 partners, including IRENA, IEA, IPEEC, Sustainable Energy for All, Bloomberg New Energy Finance and Leonardo Energy
- Is co-chaired by the U.S. Department of Energy and the Australian Department of Industry.



Australia



Denmark



India



Indonesia



Italy



Japan



Mexico



South Africa



France



United Arab Emirates



United States

# Clean Energy Solutions Center

CleanEnergySolutions.org

## Goals

- **Serve** as the primary resource for clean energy policy information, assistance and peer learning for governments and government-affiliated practitioners.
- **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

# Ask-an-Expert: Our Experts in Action

CleanEnergySolutions.org

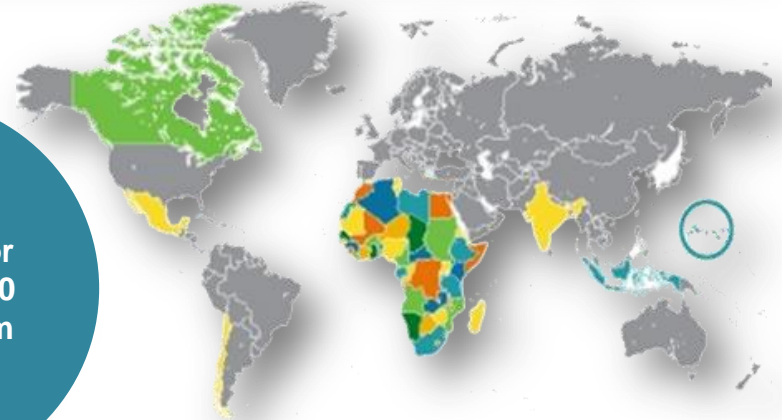


Connects policymakers to a global network of more than 30 energy experts for quick-response technical assistance on policies and programs relating to:

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



Delivered no-cost assistance for more than 160 requests from over 75 countries.



Please submit a question directly at  
**[cleanenergysolutions.org/expert](https://cleanenergysolutions.org/expert)**

Or contact me directly to find out how the Ask-an-Expert program can benefit your work:

**[Sean.Esterly@nrel.gov](mailto:Sean.Esterly@nrel.gov) | 303-384-7436**



# Tripta Singh, Director for Energy Access, UN Foundation



Tripta Singh is the Director for Energy Access at the UN Foundation. She has more than 12 years of experience working on international development and renewable energy and climate related issues. In her current role, Tripta leads the Energy Access Practitioner Network's activities on mini-grids and manages its engagement in Asia. Prior to joining the Foundation, she worked at World Neighbors where she helped manage community health and environment programs in several developing countries. Tripta has an M.Phil degree in Geography from the Delhi School of Economics and a Master's degree in international affairs with a focus on environmental policy from Ohio University.

# Bozhil Kondev, Energy Advisor, GIZ



Bozhil Kondev is an energy advisor at GIZ (Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH) in Germany. His responsibilities include strategic and technical advisory to a portfolio of GIZ projects on rural electrification in Africa and Asia. He is also involved in the liaison with partners and international initiatives. Prior to moving to Germany, Bozhil spent 3 years working in a regional project of GIZ in East Africa with a focus on market development for various renewable energy technologies. His previous experiences include positions in research institutions, renewable energy consulting and solar PV manufacturing. Bozhil holds a M.Sc. in Environmental Sciences and Policy from the Central European University in Hungary and the University of Manchester, UK. He speaks Bulgarian, English, German, Spanish and Russian.

# Peter Lilienthal, President/CEO, HOMER Energy



Dr. Peter Lilienthal is the President/CEO of HOMER Energy. Since 1993, he has been the developer of the National Renewable Energy Laboratory's HOMER hybrid power optimization software, which has been used by over 135,000 energy practitioners in 193 countries. NREL has licensed HOMER Energy to be their sole worldwide commercialization licensee for distributing and enhancing the HOMER model. Dr. Lilienthal was the Senior Economist with the International Programs Office at NREL from 1990 - 2007. He has a Ph.D. in Management Science and Engineering from Stanford University. He has been active in the field of renewable energy and energy efficiency since 1978. This has included designing and teaching courses at the university level, project development of independent power projects, and consulting to industry and regulators. His technical expertise is in utility modeling and the economic and financial analysis of renewable and micro-grid projects. He was the lead analyst and one of the creators of NREL's International and Village Power Programs.

# Pierre Telep, Energy Advisor, GIZ



Pierre Telep has more than 10 years of global experience in the energy sector, including operational leadership of energy organizations. He has worked across the energy supply chain, including development and engineering for generation and distribution businesses. He brings cross-cutting credentials at the crossroads between utilities; EPC in the energy sector, new technologies, and development organizations. He currently works for GIZ, advising the Government of Kenya on energy matters on behalf of the German Federal Ministry for International Cooperation. Pierre holds a Master of Engineering from Ecole des Mines in France.

# Question and Answer Session

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

## Questions



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## THANK YOU!

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- For more information on the “Ask-an-Expert” program please email me directly:
  - [Sean.Esterly@nrel.gov](mailto:Sean.Esterly@nrel.gov) or 303-384-7436