

# State of Play for End-of-Life Recycling for Off-Grid Solar E-Waste

12 December 2017

# Some Housekeeping Items

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# Some Housekeeping Items (continued)

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# Disclaimer

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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 practice 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**

- **Katie Contos**, Clean Energy Solutions Center

**Overview of the Energy Access Practitioner Network**

- **Luc Severi**, Energy Access Manager, United Nations Foundation

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**Presentations**

- **Declan Murray**, University of Edinburgh
- **Federico Magalini**, Managing Director, SOFIES-UK
- **Athina Kyriakopoulou**, Founder and CEO, Phenix Recycling
- **Prajna Khanna**, Head of Corporate Social Responsibility, Philips Lighting

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**Question and Answer Session**

# Clean Energy Ministerial

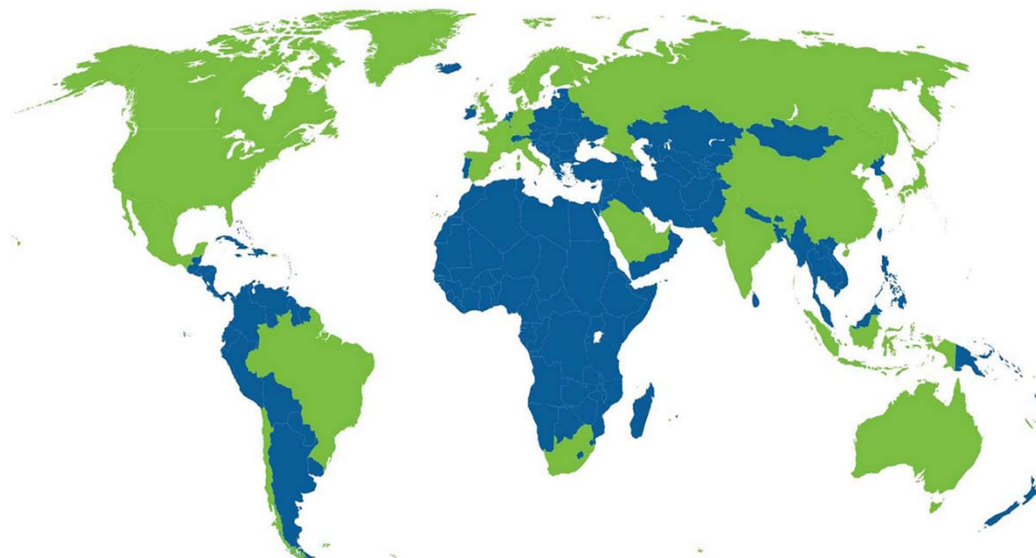
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## The Solutions Center:

- 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 CO<sub>2</sub>  
emissions

# Solutions Center: Background & Vision

- Multilateral initiative, of the Clean Energy Ministerial, is co-led by the Australian Department of the Environment and Energy, Sweden's Ministry of the Environment and Energy, and the U.S. Department of Energy.
- Additional funding support from Power Africa
- In-kind support from Chile
- 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

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## 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

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## 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 21<sup>st</sup> Century (REN21)
- Sustainable Energy for All (SEforALL)
- United Nations Environment Programme (UN Environment)
- USAID Power Africa ( USAID PA)

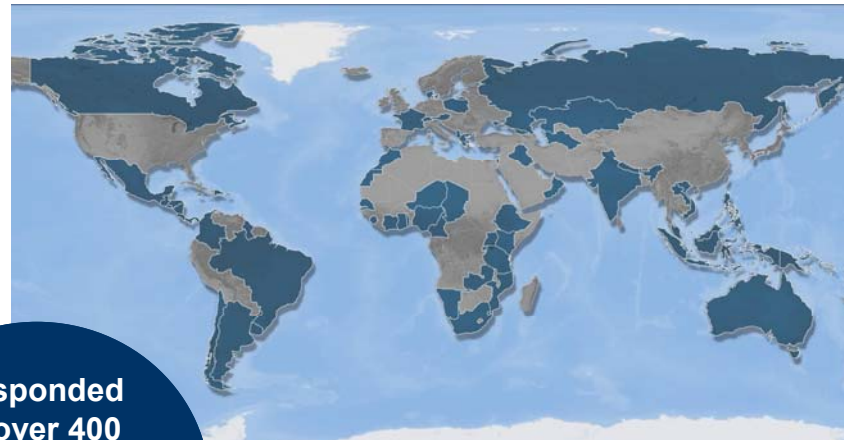


# Ask an Expert: Our Experts in Action



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 400 requests for assistance from over 90 countries.

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

# Luc Severi, Manager, Energy Access, United Nations Foundation

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Luc Severi is a Manager on UN Foundation's Energy Access activities, focusing primarily on the energy access gap in the health sector. Luc's academic background is both commercial and social, holding a Master's in Commercial Engineering from KULeuven and an MSc Development Management from the London School of Economics. Prior to starting his current work with UNF, Luc worked in Mozambique, Senegal and Liberia for several international NGOs and social enterprises, including SolarNow and Save the Children International. Throughout his career, Luc has been an active participant in the green and circular economy, working primarily with renewable energy solutions for off-grid and rural households, schools and health centres.

# Declan Murray, University of Edinburgh

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Declan is in the final year of a PhD in International Development at the University of Edinburgh. His research looks at the repair of off-grid solar products by users, independent repair technicians and companies. Before this Declan worked on business operations for BBOXX in Kenya and Uganda.

# Federico Magalini, Managing Director, SOFIES-UK

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Federico, Mechanical Engineer as background, holds a PhD in Management, Economics and Industrial Engineering from Politecnico di Milano University. In the past 15 years he focused his research and consultancy on e-waste management and industrial eco-efficiency. Federico has been working or coordinated several studies for EU Commission on e-waste and focused in the last 5 years on capacity building activities in developing countries, working with various UN agencies and developing training programs for policymakers and entrepreneurs. Between 2008 and 2011 Federico has also been working as Quality & Operations Manager in Italian take-back system, heavily involved in nation-wide start up of take back scheme for e-waste, portable batteries, lead acid batteries and other industrial waste streams.

# Athina Kyriakopoulou, Founder and CEO, Phenix Recycling.

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Athina is the CEO and Founder of Phenix Recycling, an integrated waste management company offering bespoke solutions to industries such as Off-Grid solar. Phenix Recycling is helping businesses and organisations responsibly manage their waste. Previously, Athina has worked in the off-grid industry managing business operations for BBOXX in Uganda and Rafiki Power in Tanzania. Prior to that she helped set up knowledge management systems for E.ON's Technology and Innovation Business Unit as well as provide consulting services to E.ON's internal incubator. Athina has a MEng in Aerospace Engineering and an MSc in Energy, Environmental Technologies and Economics.

# Prajna Khanna, Head of Corporate Social Responsibility, Philips Lighting.

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More than 1 billion people in the world have no access to electric light at night. The only light they have after sunset is from smoky fuels, candles, kerosene, wood or coal. Access to electric light can be transformational for communities, enabling growth and progress — socially, economically, and culturally. Through my daily work as the Philips Lighting Foundation, I am privileged to be a catalyst of positive change, enhancing the quality of people’s lives, often significantly, by simply enabling consistent access to light.

My education and early career in the field of media and mass communications gave me the opportunity to produce prime time programming for stalwarts like CNBC and BBC. Applying this communications expertise across both social and environmental challenges, I transitioned to the development sector in subsequent roles at Comic Relief and Greenpeace International. With an eye on the role that business can play in addressing shared global challenges, I joined the Sustainability team at ING Bank and then my current role as Head of CSR/ Philips Lighting Foundation.

# Question and Answer Session

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**Luc Severi,**  
UNF



**Declan Murray,**  
University of Edinburgh



**Federico Magalini,**  
SOFIES-UK



**Athina Kyriakopoulou,**  
Phenix Recycling



**Prajna Khanna,**  
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