

Powering Healthcare: Approaches to Delivering Sustainable Energy Solutions in the Health Sector

28 February 2017

Some Housekeeping Items

Two Options for Audio (select audio mode):

1. Listen through your computer.

- Please select the “mic and speakers” radio button on the right hand audio pane display

2. Listen by telephone.

- Please select the "telephone" option in the right-hand display, and a phone number and PIN will display.

3. Panelists - Please mute your audio device when not presenting

4. Technical Difficulties:

- **Contact the GoToWebinars Help Desk: 888.259.3826**

Some Housekeeping Items (continued)

- **To ask a question**
 - Select the 'Questions' pane on your screen and type in your question
- **Having trouble viewing the webinar?**
 - PDFs of the presentations can be accessed at <https://cleanenergysolutions.org/training>
- **Share with others or watch it again**
 - A video/audio recording of this Webinar and the slide decks will be made available at: <https://cleanenergysolutions.org/training>
- **Recordings are also available on our YouTube channel**
 - <http://www.youtube.com/user/cleanenergypolicy>

Disclaimer

- *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

1

Welcome & Introductory Remarks

2

Overview of the Clean Energy Solutions Center

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

3

Presentations

- **Luc Severi**, Manager, Energy Access, United Nations Foundation
- **Tinyan Ogiehor**, Technical Advisor, Solar PV at Solar Nigeria Programme
- **Virginia Taborda**, Director of Business Development, SolarKiosk
- **Laura Stachel**, Executive Director and Co-Founder, We Care Solar

4

Question and Answer Session

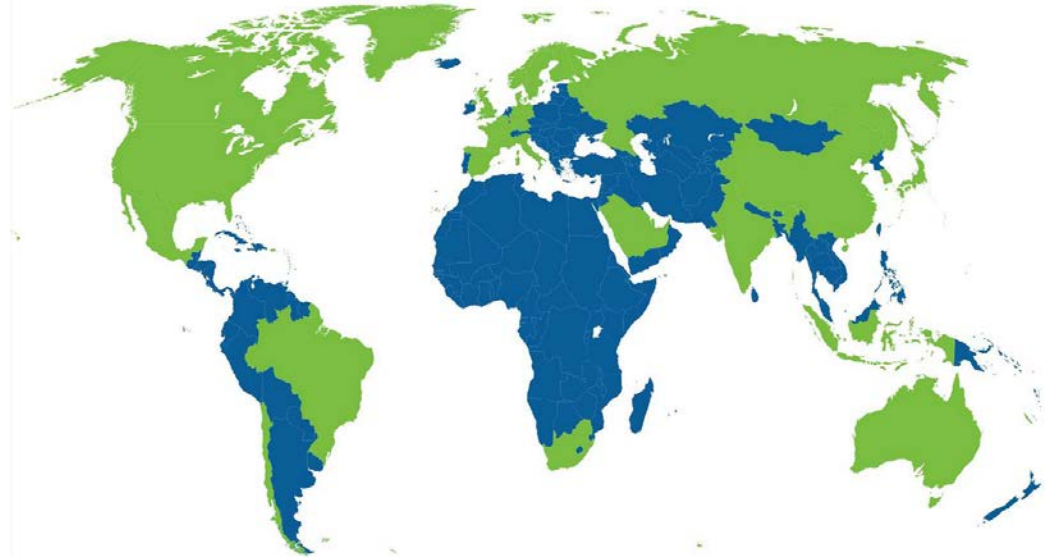
Clean Energy Ministerial

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

Clean Energy Ministerial: Initiatives

The Solutions Center:

- Is one of 9 CEM Initiatives, which include:
 - ❖ International Smart Grid Action Network
 - ❖ 21st Century Power Partnership
 - ❖ Global Lighting and Energy Access Partnership

Three Overarching Goals of CEM:

- Improve Energy Efficiency Worldwide
- Enhance Clean Energy Supply
- Expand Clean Energy Access

ENERGY DEMAND



Appliances



Energy Management



Electric Vehicles

ENERGY SYSTEMS & INTEGRATION



21st Century Power



Energy Access



Smart Grids



Sustainable Cities

CROSCUTTING SUPPORT



Clean Energy Policy



Women in Clean Energy

ENERGY SUPPLY



Solar and Wind

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

Goals

- **Serve** as a principal clearinghouse of clean energy policy and program resources
- **Share** clean energy policy best practices, data, and analysis tools across countries and economies
- **Deliver** dynamic, customized services that enable expert assistance, learning, and knowledge sharing
- **Foster** dialogue on emerging policy issues and innovation across the globe
- **Serve** as a primary resource for project financing options and information to expand markets for clean energy

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

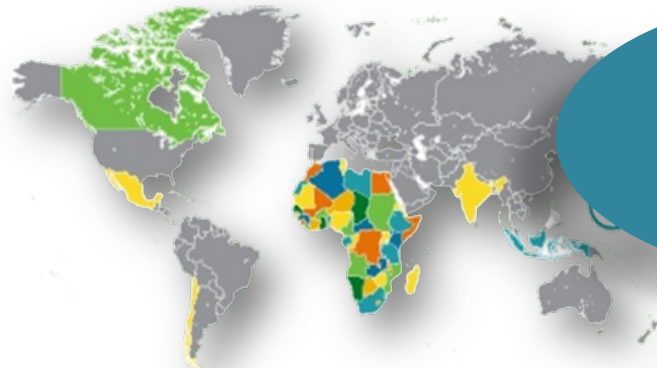


Ask an Expert: Our Experts in Action



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!

Luc Severi, Manager, Energy Access, United Nations Foundation



In his role as Manager at UNF, Luc leads a multi-year multi-country intervention focusing on the deployment of sustainable PV energy solutions in primary healthcare facilities. The project, funded by UK's DFID, falls under UNF's work within SEforALL's high-impact opportunity *Energy for Women's and Children's Health*. As Manager, Luc manages the day-to-day implementation and the relations between the project stakeholders, in particular the public and private project partners in Ghana and Uganda. Prior to starting in this role, Luc worked in Mozambique and Senegal for the Rural Energy Foundation (now called SolarNow), and for Save the Children International in Liberia, where he managed a nation-wide EU-funded implementation program, targeting the electrification of more than 200 primary health facilities with solar PV systems, in partnership with the Ministry of Health. Throughout his career, Luc has been an active participant in the green & circular economy, working primarily on renewable energy solutions for off-grid and rural households, schools, and health centers. Luc holds a Master's in Commercial Engineering from KULeuven and an MSc Development Management from the London School of Economics.

Tinyan Ogiehor, Technical Advisor, Solar PV, Solar Nigeria Programme



With over ten years' experience in the renewable energy sector, Tinyan Ogiehor is highly skilled in managing renewable energy portfolios. Having worked at the Niger Delta Development Commission (NDDC) and the office of the Senior Special Adviser to the President on Millennium Development Goals (OSSAP-MDGs) both on solar related projects as well as the USAID funded Renewable Energy & Energy Efficiency Program (REEEP) where he was involved providing technical assistance for the successful deployment of renewable energy technology projects; he has both local and international experience in the sector. He is currently the lead technical advisor – Solar PV for the DFID funded programme, Solar Nigeria.

At Solar Nigeria, Tinyan is working to develop the off-grid solar market in Nigeria. This is being achieved through implementation of solar for social projects for schools and clinics in Lagos, Kaduna and North eastern Nigeria (with over 6.5MWs of installed solar power till date); supporting the administration of grants to solar companies to enable them to develop their businesses and reach financial close for a number of commercial scale projects, (with power generation as large as 1MW in Northern Nigeria).

Tinyan has a working knowledge of the off-grid solar market in Nigeria. He has formed strategic partnerships with majority of the solar companies and financial institutions needed to scale this market in Nigeria. Overall, He has a good understanding of how the market should work from both a business and technical perspective.

Virginia Taborda, Director of Business Development, SolarKiosk



Virginia Taborda is the Director of Business Development at SOLARKIOSK AG, headquartered in Berlin, Germany. She is responsible for the interface with all B2B business partners to bring SOLARKIOSK's solutions to the base of the pyramid and other underserved communities. Her role in the management team also includes leading a department to sell SOLARKIOSK's E-HUBB, Connect Solar School and Connected Solar Clinic and develop new solutions based on its award winning technology.

Virginia has a unique breadth and depth of experience having worked internationally for a 100-year-old manufacturer (Rolls-Royce), a bank (CIT), private equity (Terra Firma), small business (Avianor) and entrepreneurs. In these companies, Virginia held sales, asset management, purchasing, business development and senior management roles - always with a focus on developing relationships to foster success and yield results. She delivered billions of dollars in sales in her aviation career.

Virginia has lived in nine cities in five countries including the US, UK, Canada, Brazil and now Germany. While living in Sao Paulo, Brazil, Virginia founded a charity fundraising initiative, contributing to the education of impoverished teenagers in high-risk neighborhoods.

Laura Stachel, Executive Director and Co-Founder, We Care Solar



Dr. Laura Stachel, Co-founder and Executive Director of We Care Solar®, is an obstetrician-gynecologist with fourteen years of clinical experience. She holds an M.D. from University of California, San Francisco and an M.P.H. in Maternal and Child Health from University of California, Berkeley. She was a staff researcher at the Blum Center for Developing Economies at UC Berkeley until 2015. Her research on maternal mortality in Nigeria in 2008 alerted her to the deleterious effects of energy poverty on maternal health outcomes. Along with Hal Aronson, she co-founded We Care Solar to bring simple solar electric solutions to maternal and child health care in regions without reliable electricity. We Care Solar has equipped more than 2000 health facilities in over 20 countries with the We Care Solar Suitcase®, a compact solar energy system providing essential lighting and power.

Laura is passionate about promoting sustainable energy solutions for women's health and speaks around the world on this topic. She has been active in the UN Foundation's Sustainable Energy for All Initiative and has co-chaired a Practitioners Working Group on Energy and Health. Laura was one of the Top 10 CNN Heroes of 2013. For her work with We Care Solar, Laura received numerous awards, including the 2015 UN DESA "Powering the Future We Want" Award. She was a finalist in the 2017 Zayed Future Energy Prize, and won the 2016 National Energy Globe Award, the 2015 UCSF Alumni Award, the 2014 Katerva Gender Equality Award, the 2012 Clean Energy, Education and Empowerment Award, the 2012 United Nations Association Global Citizens Award, the 2011 Tech Award, the 2010 Jefferson Award for Public Service, and the 2010 UC Berkeley Chancellor's Award for Civic Engagement.

Question and Answer Session

Webinar recording, presentations, and information on upcoming and previously held webinars:

<https://cleanenergysolutions.org/training>

Webinar recordings at the Clean Energy Solutions Center YouTube page:

<https://www.youtube.com/user/cleanenergypolicy>

Your Participation is Appreciated!

THANK YOU!

Solutions Center home page to learn about our programs and resources

<https://cleanenergysolutions.org>

Webinar recordings, presentations, and information:

<https://cleanenergysolutions.org/training>

For more information on the “**Ask-an-Expert**” program:

<https://cleanenergysolutions.org/expert>