

Building Energy Access Markets: A Value Chain Analysis of Key Energy Market Systems

30 July 2015

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- **Tim Reber**, National Renewable Energy Laboratory
- **Tripta Singh**, Director Energy Access, UN Foundation

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Presentations

- **Mr. Michael Franz**, Project Manager, EUEI PDF
- **Charlie Miller**, Head of Policy and Program Funding, SolarAid
- **Christopher Service**, Business Developer, Foundation Rural Energy Services (FRES)

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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



Sweden



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

Sean.Esterly@nrel.gov | 303-384-7436

Michael Franz, Project Manager, EUEI PDF



Michael Franz is a senior adviser for sustainable energy in international cooperation. He has extensive experience in working with donors, European Commission, private sector, development agencies and financing institutions, towards mobilizing investment in renewable energy and energy access projects. His work centers around the nexus of energy project development, policy frameworks and financing, with a geographic focus on Sub-Saharan Africa.

Mr. Franz is currently EU Liaison and Project Manager at the EU Energy Initiative Partnership Dialogue Facility (EUEI PDF), based in Brussels. EUEI PDF is a multilateral European initiative that promotes energy access and renewable energy in developing countries. EUEI PDF is hosted by Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, a service provider for sustainable development in international cooperation.

He holds an MA degree in political science and geography, where he specialized on climate change as well as energy governance and policy-making. In previous functions, he was employed as energy advisor with a regional portfolio covering East Africa, based in Kenya. He supported the first two on-grid solar PV projects and the first on-grid biogas project in Kenya, and contributed to numerous other initiatives, including qualification and training programmes for local entrepreneurs. In addition, Mr. Franz was advising policymakers and regulators on the energy investment framework, in particular in Kenya and Uganda.

Charlie Miller, Head of Policy, SolarAid



Charlie Miller is Head of Policy at SolarAid, an international NGO dedicated to eradicating the kerosene lamp through building the market for portable solar lights. SolarAid wholly owns Africa's largest distributor of solar lights, SunnyMoney, which sells quality affordable lights to customers living below the \$1.25 a day poverty line. Charlie co-chairs the Policy Working Group at the Global Off-Grid Lighting Association and sits on the steering committee of the Power for All Campaign. He advises governments, aid agencies, foundations and investors on policy, grant-making and investment in the off-grid energy space. Charlie previously worked for a range of leading development NGOs on issues such as livelihoods, health, education and governance. He holds a Masters in Conflict, Governance and Development from the University of York.

Christopher Service, Business Developer, Foundation Rural Energy Services (FRES)



Chris is the Business Developer at Foundation Rural Energy Services (FRES), a Netherlands-based non-profit that accelerates socio-economic improvements in rural communities of developing Sub-Saharan Africa through the roll-out of a standardised fee-for-service model for rural electrification. FRES works by establishing local commercial companies that provide affordable and reliable access to (solar derived) electricity services to rural off-grid communities. FRES currently has a network of 5 local companies in Mali, South Africa, Burkina Faso, Uganda and Guinea-Bissau and provides over 33,000 households and small enterprises with affordable and reliable electricity access via Solar Home Systems and solar mini-grids.

Prior to his work with FRES, Chris has worked in New Zealand and France in the field on environmental monitoring (hydrology, meteorology, freshwater ecology and coastal morphology) and geospatial mapping. He holds a B.A in Environmental Management and a PGDipTech (Hons) in Energy Management with a specialisation in remote access power systems.

Question and Answer Session

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Questions



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 - Sean.Esterly@nrel.gov or 303-384-7436