



SUSTAINABLE
ENERGY FOR ALL

ENERGY ACCESS
PRACTITIONER NETWORK

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Webinar: “Micro-grids: Best Practices Around Technology Challenges”

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Sustainable Energy for All Initiative

1.2 billion people worldwide are without access to electricity, and a billion more have only intermittent access. **2.8 billion** people lack access to clean cooking solutions.

In response, UN Secretary-General Ban Ki-moon launched a new initiative in 2011 by the same name (SE4ALL), calling on governments, businesses, and civil society to make commitments to action to accomplish **three objectives** by 2030:

 **ENSURING**
universal access
TO MODERN ENERGY SERVICES.

 **DOUBLING THE GLOBAL RATE OF IMPROVEMENT IN**
energy efficiency.

 **DOUBLING THE SHARE OF**
renewable energy
IN THE GLOBAL ENERGY MIX.

The UN General Assembly Member States have unanimously declared 2014-2024 as the **Decade of Sustainable Energy for All.**



Energy Access Practitioner Network



1900+

members



>230 million

individuals reached



170

countries

- Market-based mini- & off-grid solutions
- Catalyze energy service delivery at country level
- Promote adoption of new technologies, innovative financial & business models
- Knowledge platform: best practices, peer-to-peer learning
- A “network of networks”



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SE4ALL Clean Energy Mini-grids High Impact Opportunity (HIO)

- The IEA projects that **over 40%** of required installed capacity to achieve universal energy access by 2030 will likely be most economically delivered through **mini/micro-grids**.
- This HIO focuses on supporting the **establishment of an enabling ecosystem** for accelerated investment, deployment and replication of clean energy mini-grids towards the global 2030 goal.



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Clean Energy Mini-grids HIO objectives

- Support integration of clean energy mini-grids within national and international energy plans and regulations
- Increase co-ordination and interaction in the mini-grids sector, drawing in new partners, enabling increased partnerships, joint ventures and cross-sectoral projects
- Create agreement and knowledge of key concepts, techniques, technologies and approaches, supporting improved performance across the clean energy mini-grids sector
- Increase development and testing of business models through High Impact Initiatives (HIIs), and increase visibility of outcomes via transparent evaluation and reporting
- Increase visibility and recognition of clean energy mini-grids as a viable electrification approach with a view to increasing the availability of private and public financing.



The Practitioner Network & Micro-grids

- UNF co-hosts the **Clean Energy Mini-grids HIO** secretariat along with the Alliance for Rural Electrification.
- A number of Practitioner Network members have joined the HIO, including some participating in the Network's Mini-/ Micro-grids Working Group, which has **over 150 members**. Others are welcome.

This webinar session brings together four members & the co-chair of the Practitioner Network's Micro-grids Working Group to discuss the current challenges around micro-grid technologies that members of the working group are employing and scaling.

