

TRANSFORMING ENERGY ACCESS: SCALING SOCIAL ENTREPRENEURS OF RENEWABLE ENERGY MINI-GRIDS

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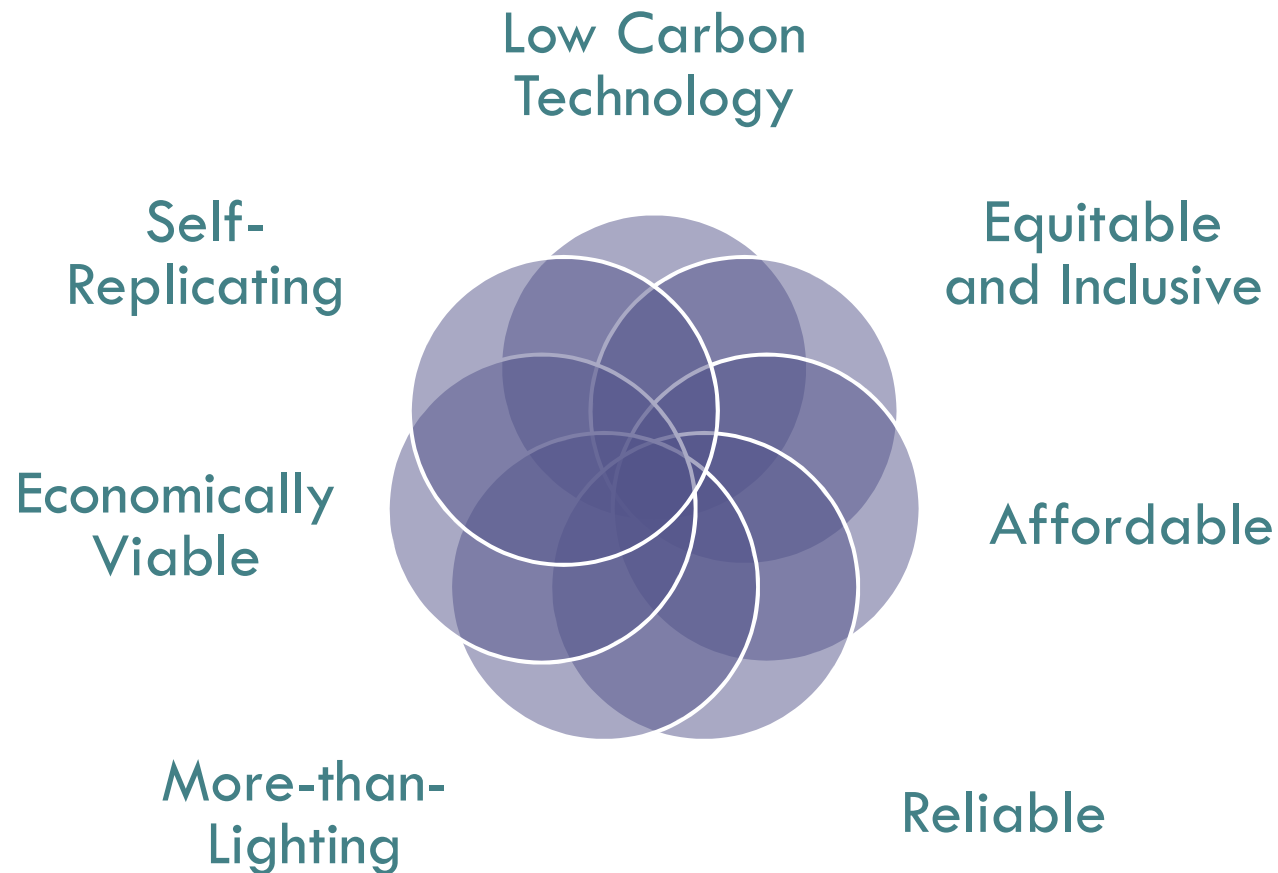
Overview



- Transforming Energy Access
 - ▣ Desired Characteristics
- Typical Energy Access Programs
 - ▣ Components
- Social Entrepreneurs
 - ▣ Defining Characteristics, Roles, Types
- Empowering Social Entrepreneurs
 - ▣ Cases: South Asia
 - ▣ Cases: Southeast Asia

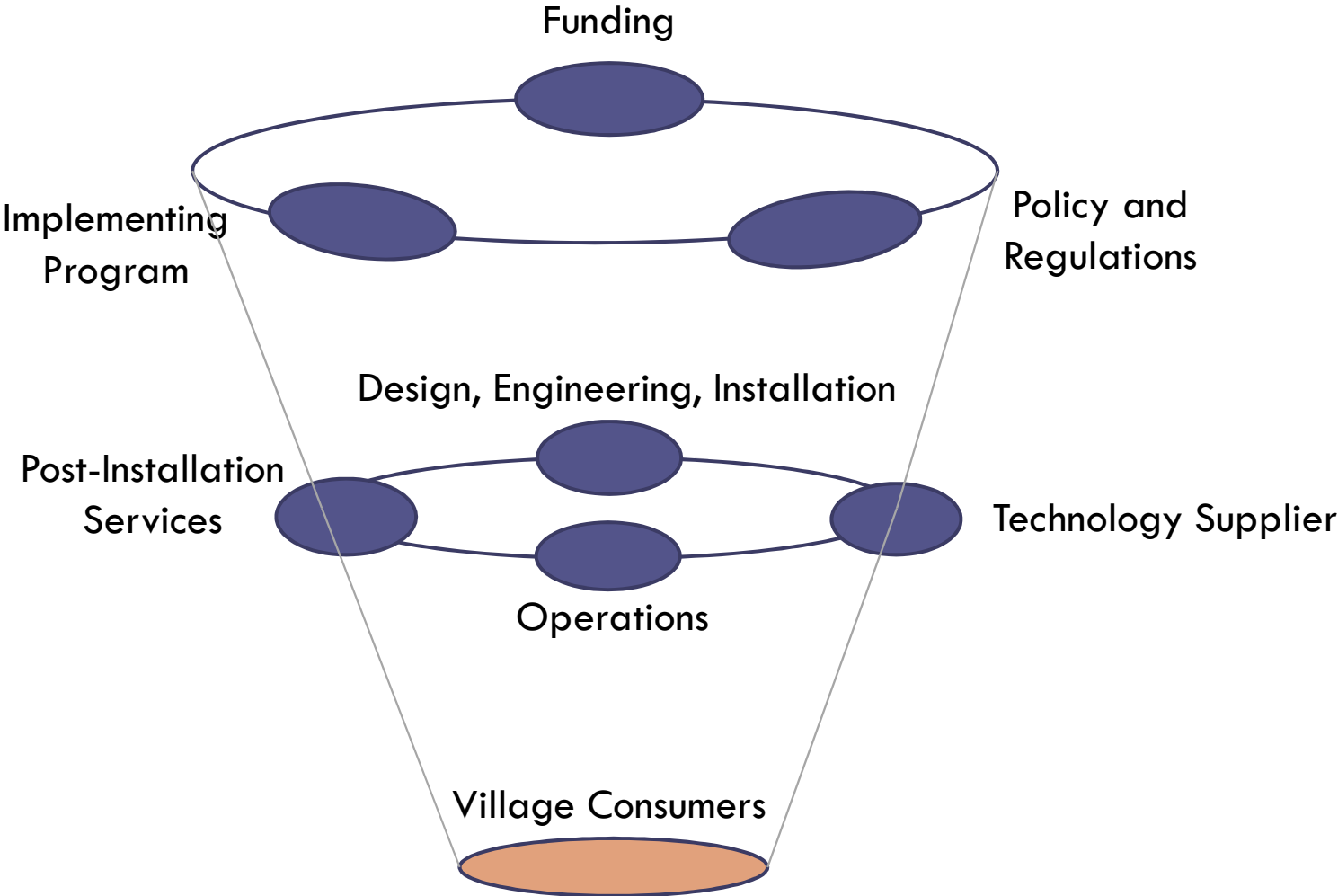
Solutions for Transforming Energy Access

Desired Characteristics



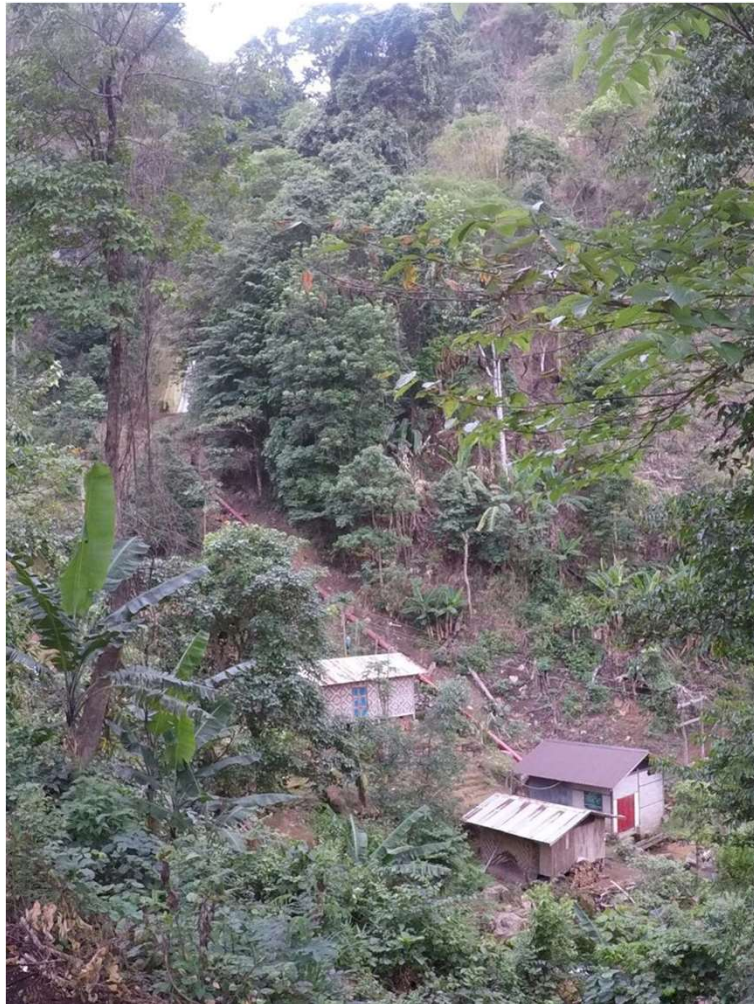
Energy Access Programs

Typical Components



Social Entrepreneurs of Energy Access

Defining Characteristics

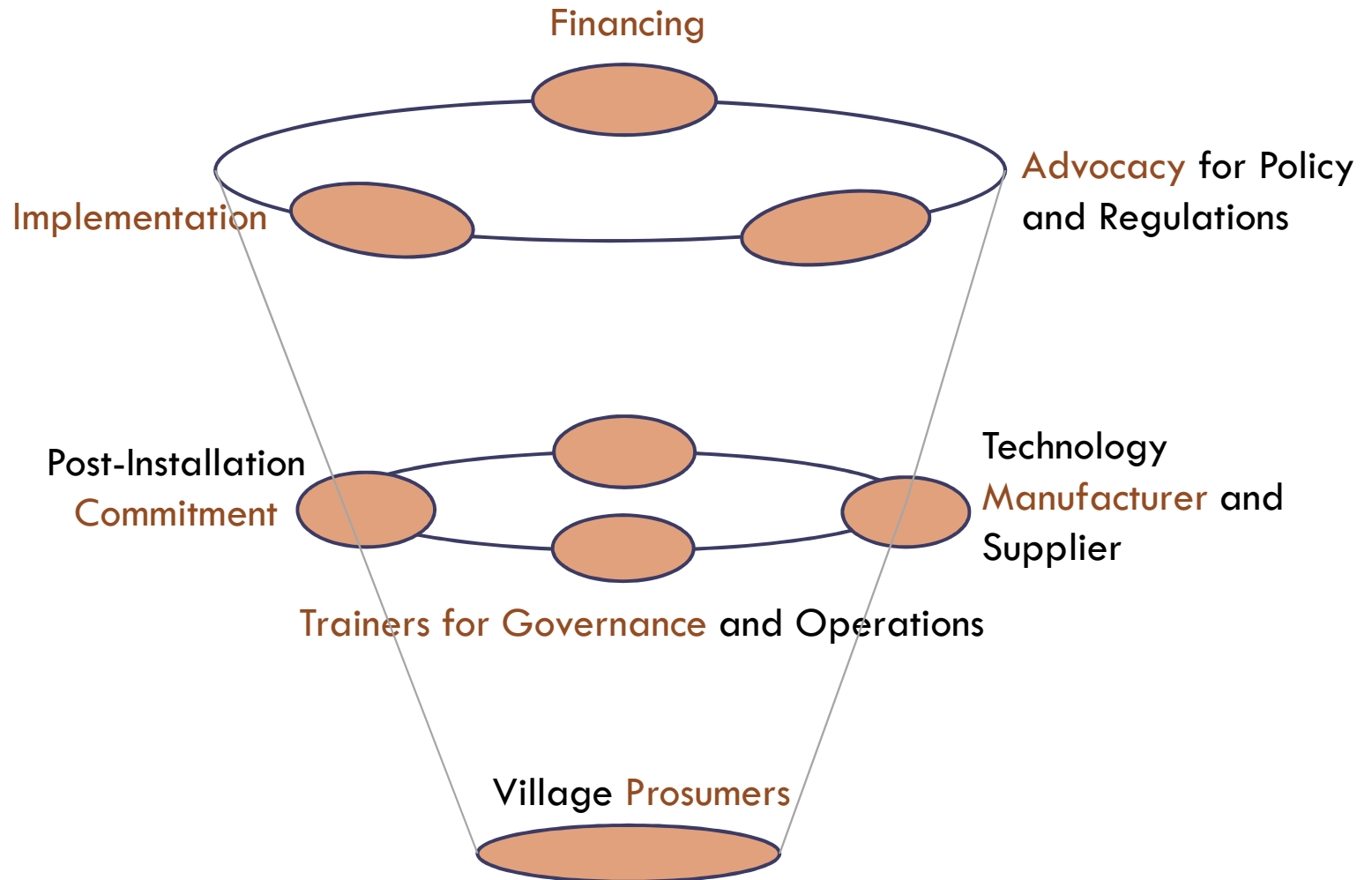


- Able to **overcome physically extreme conditions**
- Have in-depth and **experience-based** knowledge
- Engage in **long-term partnership** with communities
- Prioritize **local impact** over high profit
- **Economically viable** solutions

Photo credit: Loïs Sevestre

Social Entrepreneurs of Energy Access

Multi-faceted Roles



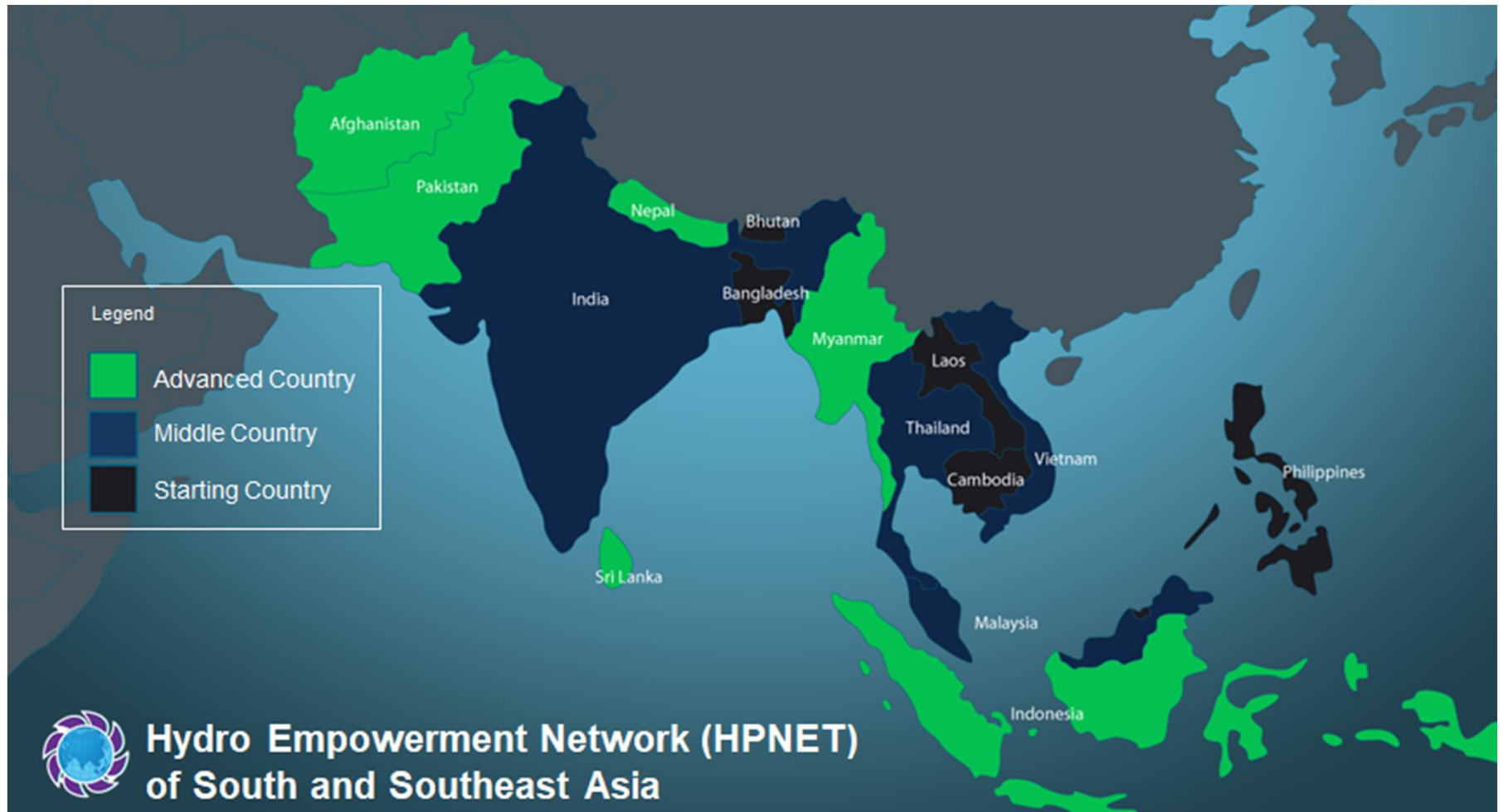
Social Entrepreneurs of Energy Access

Main Types

Type	Typical Traits	Advantages	Limitations
Small Non-Profit	Depend on grants Small team 1-project at a time	Strong focus on inclusion Refined community processes	Low economic viability Limited technical skills Funds difficult to raise
Large Non-Profit	Depend on grants Parallel projects	Funds easy to raise High visibility	Heavy donor-influence “white elephant” projects
Local For-Profit	Family-based 1-project at a time Proven technology	Multi-generation experience Robust local actor networks Low cost + reliable	High economic viability Weak English Low visibility Market-based approach
Foreign For-Profit	Ambitious targets No track record	Well-funded Strong marketing resources	Require high margins Limited access to locals
Local Cooperative	Partners with technology provider	Villagers as producers Strong local governance Financial accountability!	High economic viability Market-based approach Low visibility

Social Entrepreneurs of Energy Access

HPNET Contexts



Scaling Social Entrepreneurs

Pakistan, Large Non-Profit: AKRSP/SRSP



HPNET Priorities

- Connect local practitioners to each other
 - ▣ Those trained at HYCOM
- Project-to-project interconnection
 - ▣ Learn from Nepal and support Nepal's technology gap

Scaling Social Entrepreneurs

India, Large Non-Profit: Gram Vikas



HPNET Priorities

- Project rehabilitation
 - ▣ Funds
 - ▣ Human resources
- Strengthening local service providers
- Economic viability
- Learn with other developers in India

Scaling Social Entrepreneurs

Myanmar, Local For-Profits: HyCEM



HyCEM

Hydropower for Community
Empowerment in Myanmar

HPNET Priorities

- Access to local bank financing
- Regulations for grid interconnection
- Technology upgrade
- Increased visibility



How to Empower Social Entrepreneurs Indonesia, Local For-Profits: AHB



HPNET Priorities

- Access to bank financing
- Utilize training center HyCOM
- Sustainability of skilled suppliers

Scaling Social Entrepreneurs

Philippines, Small Non-Profit: YAMOG



High Priorities

- ❑ Local fabrication
- ❑ Technology transfer training center
- ❑ Economic viability
- ❑ Increased visibility



Scaling Social Entrepreneurs

Hydro Empowerment Network (HPNET)





skat Swiss Resource Centre and
Consultancies for Development



HYDRO EMPOWERMENT NETWORK

www.hpnet.org