



ENERGINIA

INTERNATIONAL NETWORK ON GENDER AND SUSTAINABLE ENERGY

**Gender, Health and Social Aspects
of SE4ALL Goals:**

Women's economic empowerment

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Overview

- SE4ALL's key gender - energy interactions
- Missing perspective: ***Energy - Women's Economic Empowerment (WEE) Nexus***
- Examples of WEE in energy programmes and strategies used
- Creating an enabling environment: a way forward for SE4All

ENERGIA: *International network on gender and sustainable energy*



- Since 1996 creating an institutional base for mainstreaming gender into the energy sector in developing countries
- Direct presence in 22 countries
- 5th Phase: 2012 – 2019

SE4ALL:



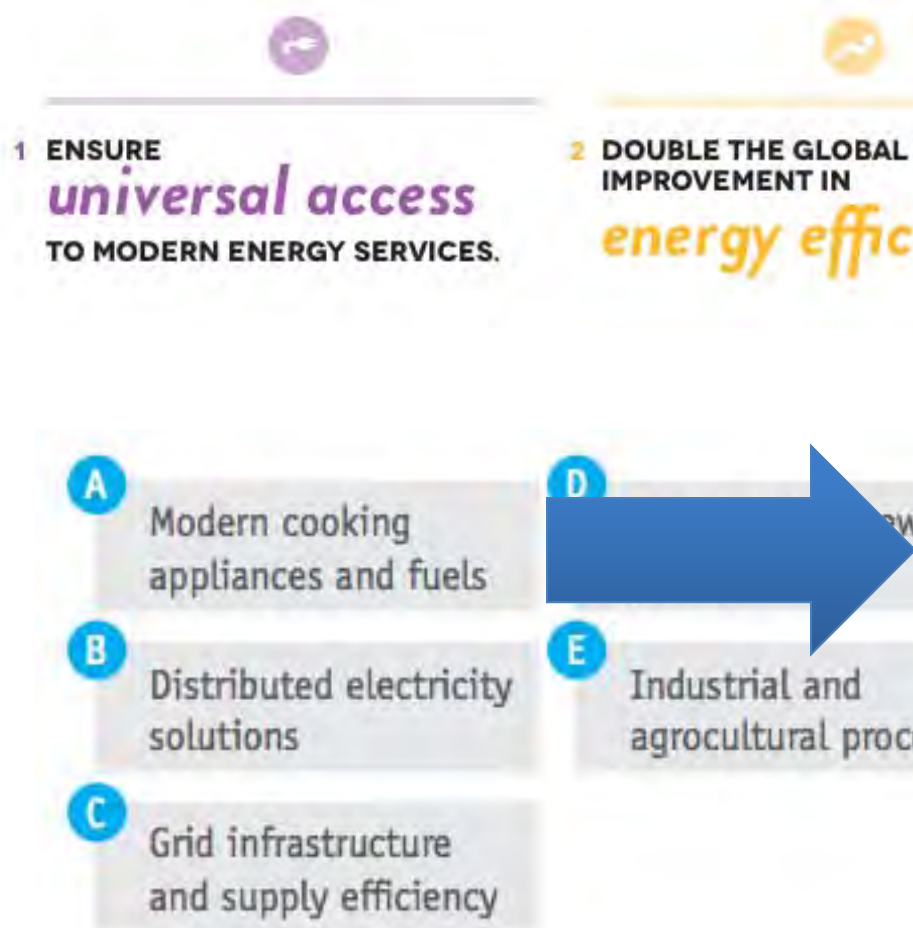
Key Gender & Energy Interactions

- 1 ENSURE *universal access* TO MODERN ENERGY SERVICES.
- 2 DOUBLE THE GLOBAL RATE OF IMPROVEMENT IN *energy efficiency*
- 3 DOUBLE THE SHARE OF *renewable energy* IN THE GLOBAL ENERGY MIX.

- A Modern cooking appliances and fuels
- B Distributed electricity solutions
- C Grid infrastructure and supply efficiency
- D Large scale renewable power
- E Industrial and agro-cultural processes
- F Transportation
- G Buildings and appliances



SE4ALL: *Key Gender & Energy Interactions*

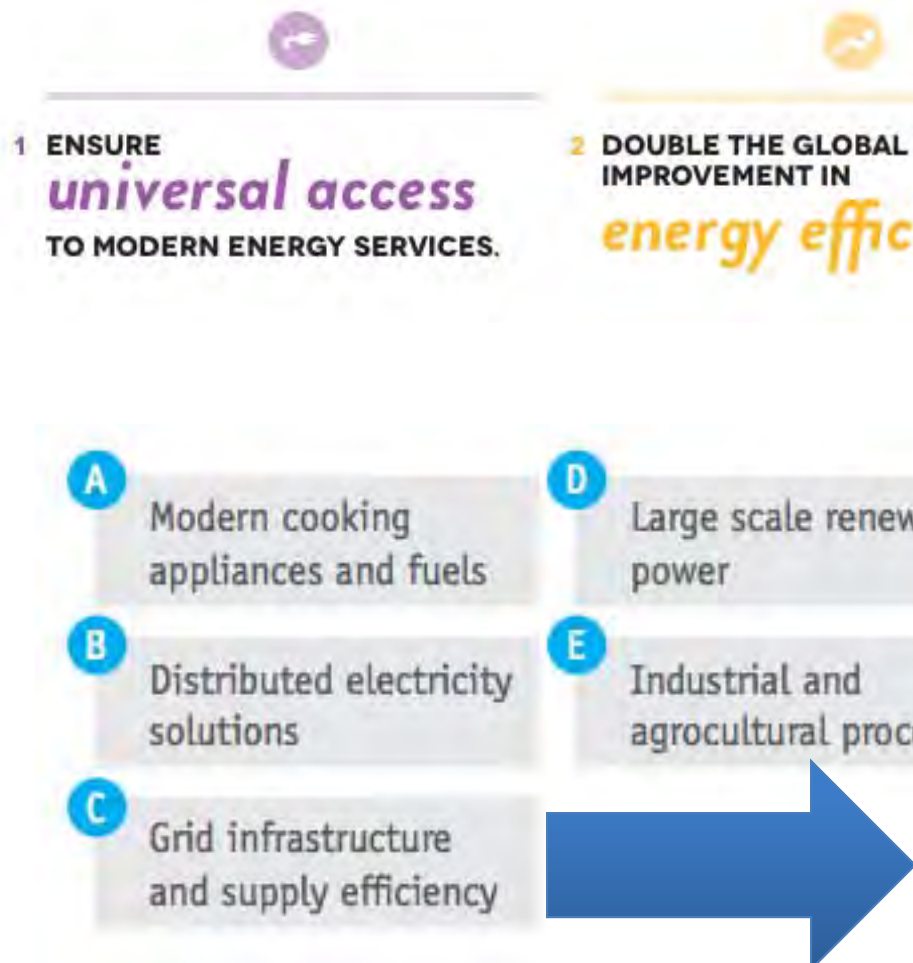


- In 2010, ~3.5 million people died from diseases caused by household air pollution from solid fuels
- ~80% of which were women & children under age 5
- Women spend 4 hours/day (= 60 days/year) collecting fuel loads >20 kg

SE4ALL:



Key Gender & Energy Interactions



- *Nicaragua*: rural electrification led to 23% increase in rural women working outside the home
- *Botswana*: 52 % of all rural households are female-headed yet they connect to the grid at only **half** the rate of male-headed households
- *Lighting Africa survey* : women-operated firms give more bribes



SE4ALL: *Key Gender & Energy Interactions*

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3 DOUBLE THE SHARE OF

A Modern cooking
appliances and fuels

B Distributed electricity
solutions

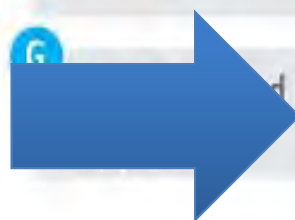
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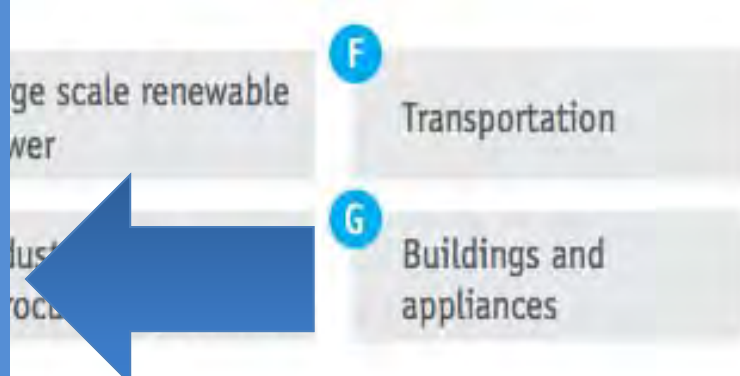
- In developing countries, women provide up to 60% of agricultural labour
- In Africa, women perform ~90% of processing food crops
- Energy costs 20 - 25% of total inputs in food processing enterprises



SE4ALL: *Key Gender & Energy Interactions*



- *Lighting Africa survey:* Women monitor and manage household electricity use
- Women hold significant sway in household purchasing decisions





SE4All Initiatives

High-Impact Opportunities

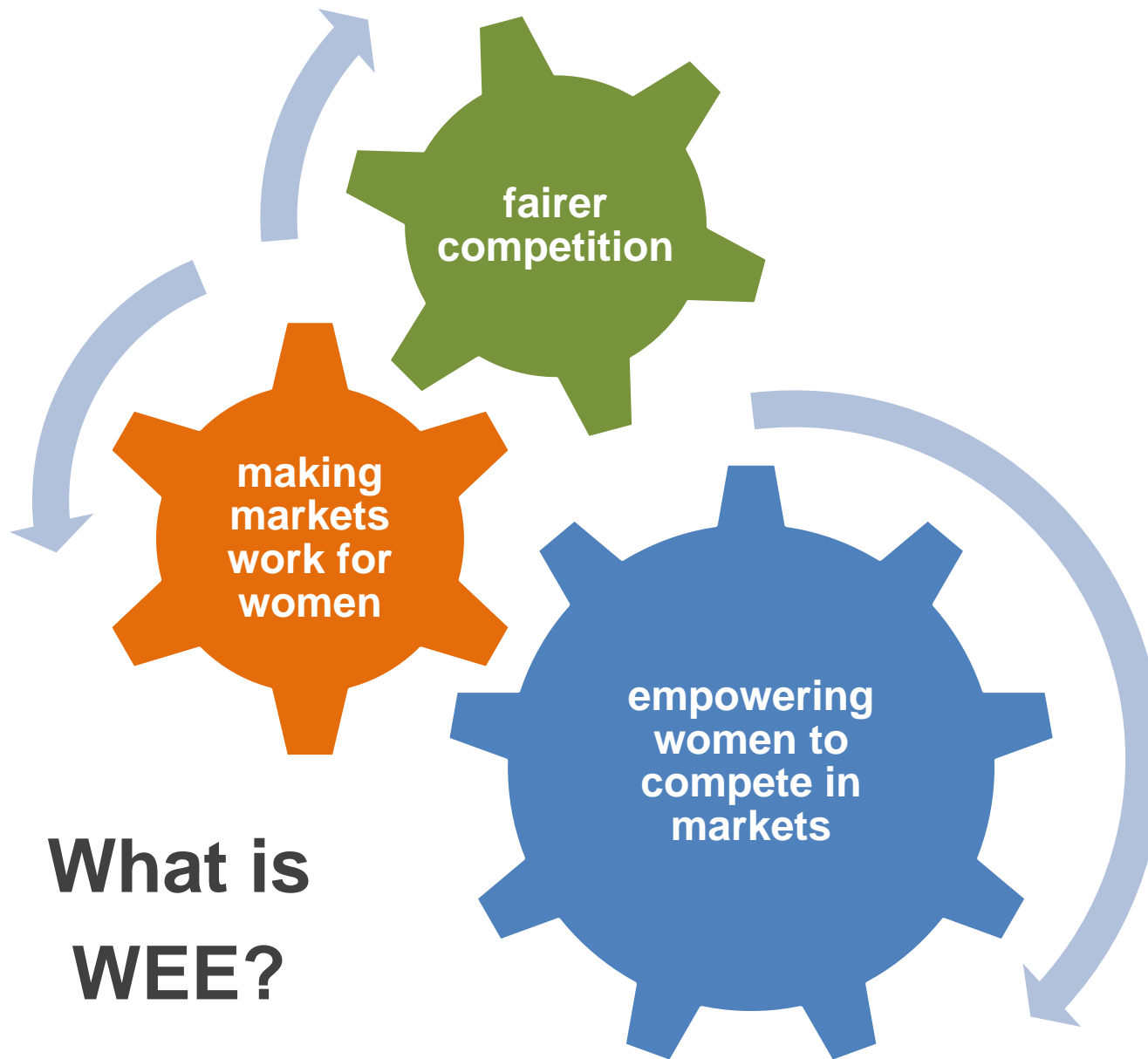
- Universal adoption of clean cookstoves and fuels
- Energy sources for women's health facilities

Bottom-Up Solutions

- Social programs with special focus on schools and health clinics
- Gender and energy empowerment approach



Post-2015 Development Agenda: *Women's Economic Empowerment*



**What is
WEE?**

Investing in women's economic empowerment sets a direct path towards gender equality, poverty eradication and inclusive economic growth

(UN Women)

SE4ALL Opportunity: *Energy - WEE Nexus*



Double the global rate of improvement in energy efficiency

EE to reduce costs & increase profits in women enterprises

Universal energy access

Women's productive activities in high impact value chains

Labour-saving technology to increase productivity of women's labour

Double the RE share in global energy mix

Women's employment and enterprises selling goods and services in RE value chain

Case Study – Energy Access: *Improved Cook Stoves Cambodia*



- Venture making inexpensive and environmentally-friendly stoves

253 business owners,
84 stove producers,
171 distributors

Saved consumers
> €7.5M
(2003 – 2010)

Main income generating activity of >3000 people (52% women)

46% of urban households

10% of all households in the country

> 2 million cook stoves since 2003

Case Study – Energy Access: *Improved Cook Stoves Cambodia*



WEE Strategies

- Promote gender equity in the selection of retailers (= critical success factor)
- Prioritize women in technical training
- Training and mentoring for management & leadership positions
- Women analyze and monitor cook stove dissemination

Case Study – Renewable Energy: *Solar Sister*



- Women Micro-Retailers sell solar products in East Africa (Uganda, Rwanda, South Sudan)
- Affordable solar lamps and small solar systems to communities

3 countries

501 entrepreneurs



**63,995 people benefitting
from solar lights...**



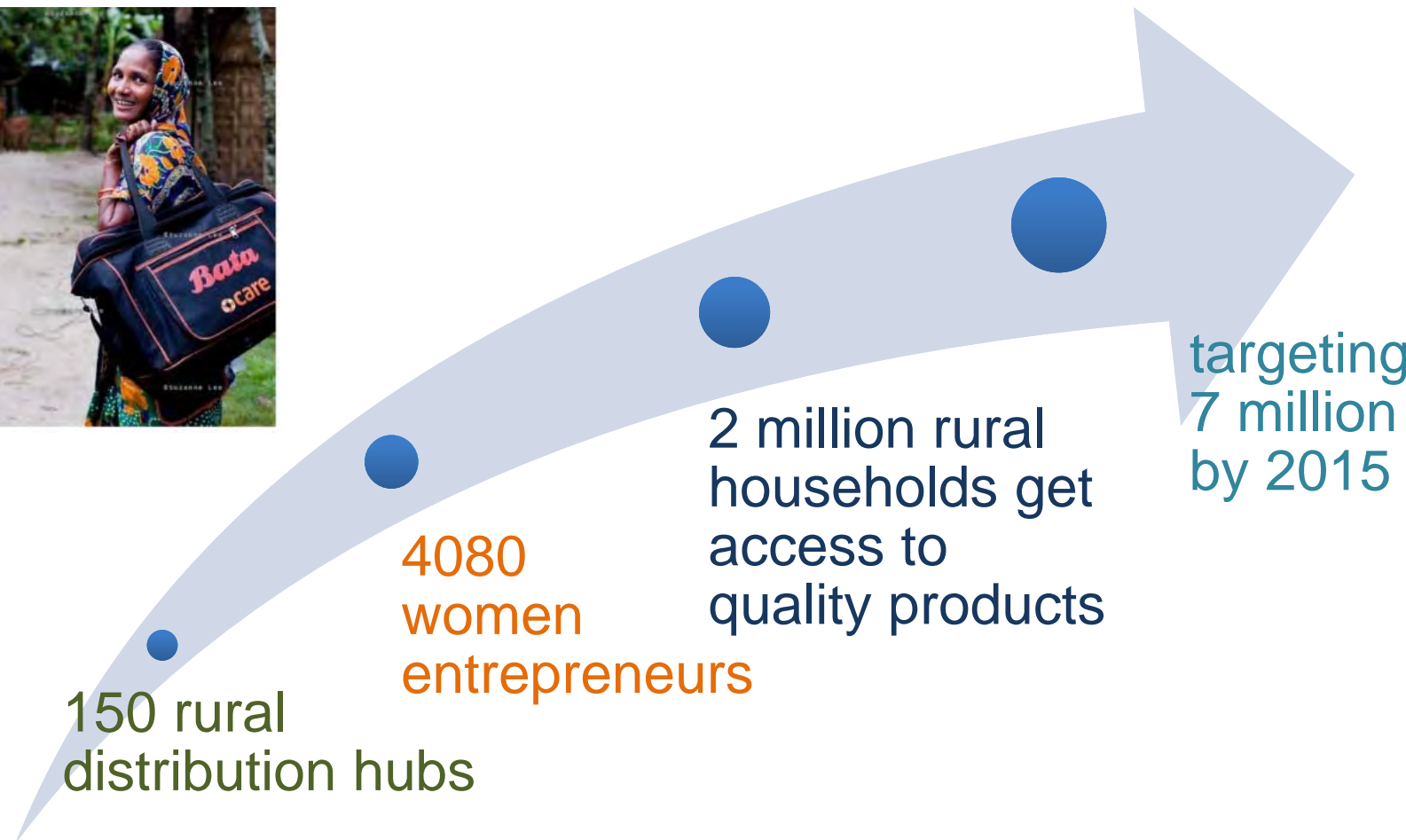
Case Study – Renewable Energy: *Solar Sister*

WEE Strategies

- Use natural networks distribution channel to rural and hard-to-reach customers
- Women become their own bosses, creating sustainable businesses
- Multiple lighting products on offer
- Tracked and managed



Case Study – Energy Access: *JITA: Bangladesh*



150 rural
distribution hubs

4080
women
entrepreneurs

2 million rural
households get
access to
quality products

targeting
7 million
by 2015

Case Study – Energy Access: *JITA: Bangladesh*



WEE Strategies:

- Gain access to rural underserved consumers through local entrepreneurial sales ladies
- Build individual capacities and help them develop and strengthen own communities

Case Study – Enabling Environment: *ENERGIA Gender Mainstreaming Approach*



Phase 3&4:
**32 medium/large scale
energy access projects in
Africa and Asia**

PREPARE

Background review,
organizational assessment,
consult project community

DESIGN

Gender Action Plan (goal,
expected outcomes, activities
and M&E framework)

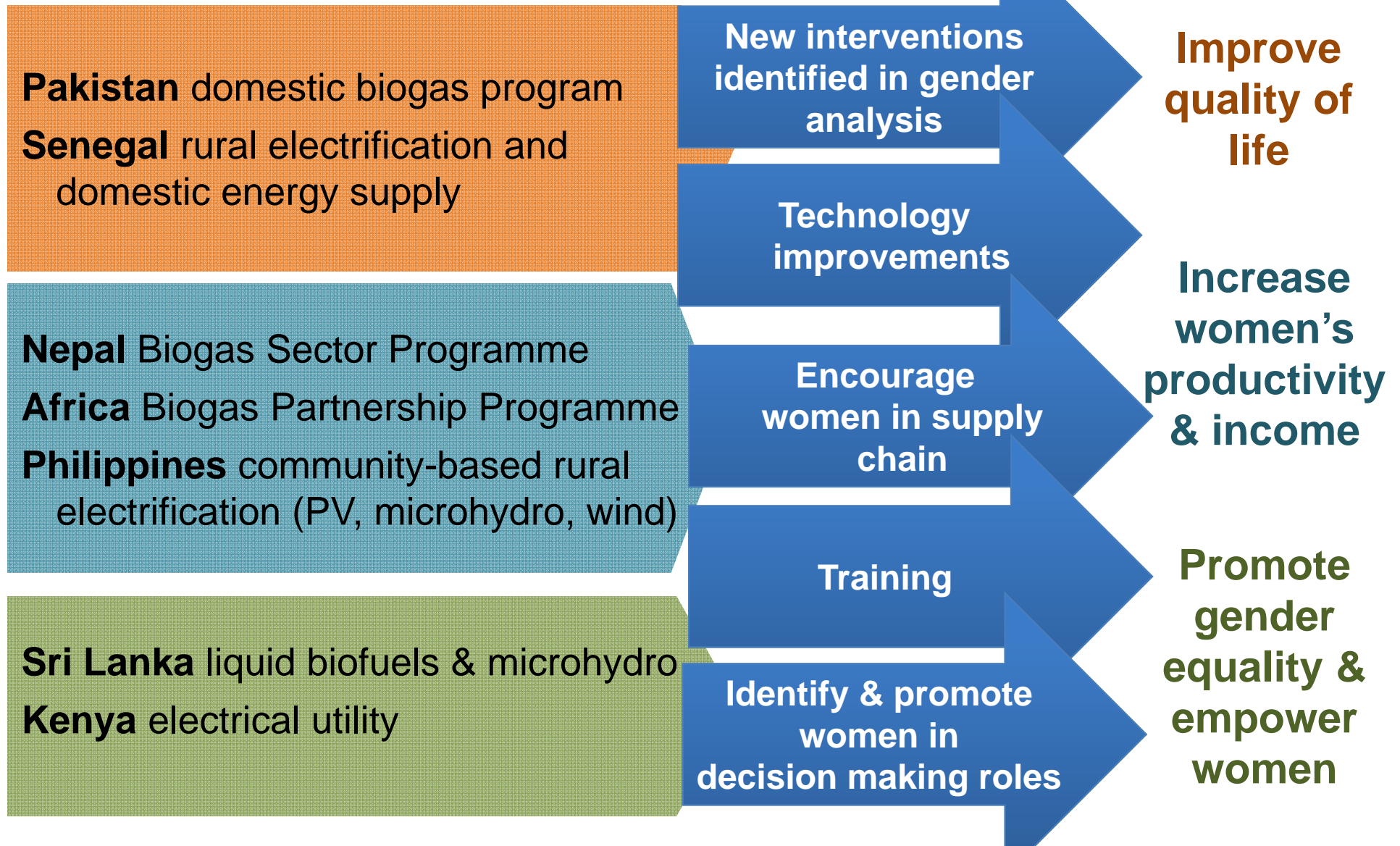
IMPLEMENT

Institutionalize the process
(org. policies, staffing, capacity
building, documentation)

MONITOR

Track progress, outcomes and
communicate

Case Study – Enabling Environment: *GM gives insight into entry points*

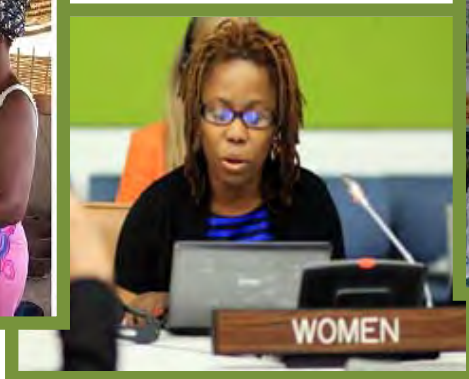




Case Study – Enabling Environment: *ENERGIA GM Approaches*

Lessons

- Introduce GM in the design phase
- Use a flexible/ adaptable approach to GM
- Sustainable GM process is led by local team
- Endorsement/ involvement of senior management key
- Provide backstopping



Case Study – Enabling Environment: *Power to the Poor (P2P) in Laos*



- Pick-up rate in electrified villages only 70%
- Inequality identified in connection uptake rates in rural communities
- Connection cost barrier addressed by a targeted subsidy mechanism

Increase in electricity access went from 63% to 90% of female-headed households

**Scaled up: electrification rate increased to 78% to 95%
~20,000 disadvantaged households connected to the grid...**

Case Study – Enabling Environment: *Power to the Poor (P2P) in Laos*



โครงการพลังประชาชนไฟฟ้าเพื่อทุกคนในชนบท
โครงการสนับสนุนการเข้าถึงบริการไฟฟ้า
IDA และ Asef AID
Power to the Poor Project (P2P) Under the Rural Electrification Project (REP)
Donations by World Bank/IDA and Asef AID

ການອະນຸຍາຍໂຄງການ

1 ມີຂໍ້ມູນກ່ຽວກັບຄວາມຕ້ອງການ
ໂຄງການ, ສະຖານທີ່, ສະຖານທີ່,
ສະຖານທີ່, ສະຖານທີ່ ແລະ
ແນວໂນລາຍ

2 ມີຂໍ້ມູນກ່ຽວກັບຄວາມຕ້ອງການ
ແລະ ສະຖານທີ່ທີ່ຕ້ອງການ
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4 ມີຂໍ້ມູນກ່ຽວກັບຄວາມຕ້ອງການ
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ແມ່ຍາວສາມສ່ວນສະໜັບສະໜູນ
ໂຄງການ 400,000 ຕື້

ໂຄງການສະໜັບສະໜູນສິນເຊີງ
ເຊີນສາມສ່ວນ, ໂຄງການສະໜັບສະໜູນ
200,000 ຕື້ ມີສະຖານທີ່ທີ່ຕ້ອງການ
ໂຄງການສະໜັບສະໜູນສິນເຊີງ

WEE Strategies

- Gather data: this allowed for the understanding that poor households remaining unconnected were disproportionately headed by women
- Design sustainable financing mechanism with a gender focus
- Use participatory methods and gender-sensitive eligibility criteria

Women's Economic Empowerment: *Entry Points & Key Strategies*



Employment & Entrepreneurship

Focus on sectors / value chains where women dominate

Lever existing networks & practices

Support women as own bosses

Supply Chains & Financing

Design financing mechanisms with a gender focus

Analyze market with WEE opportunities in mind

Build an inclusive value chain

Capacity & Skills

Prioritize women in technical training

Train women for management & leadership

Support business development

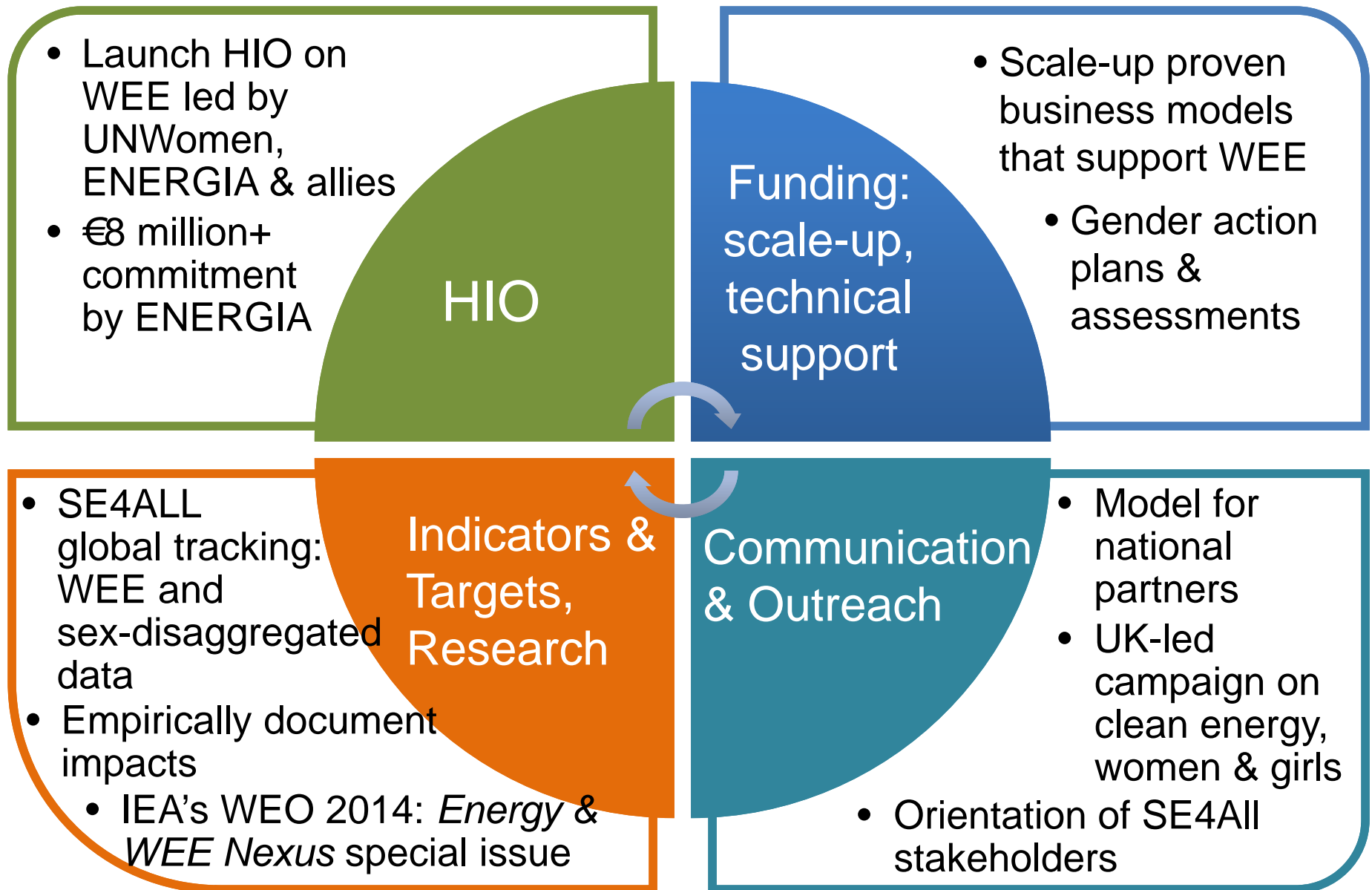
Communication, Information & Monitoring

Engage all stakeholders and use participatory methods

Document the evidence base

Involve women in analysis, monitoring & evaluation

A way forward for SE4ALL



Questions for today



1. What are other experiences with WEE in energy or other sectors?
2. Is this the way forward for SE4ALL?
3. Is this actionable? How does WEE integrate with agency and donor practices?

Equal access to energy for both women-owned & men-owned businesses can create **new jobs** and **private enterprises**, and reduce the gender gap in **economic opportunities, earning** and **productivity**.





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Thank you