



Webinar 1

Setting the Scene

Maximizing the Impacts of Energy Access on People's Development Opportunities



24 March 2022



Setting the Scene

Maximizing the Impacts of Energy Access on People's Development Opportunities



Angelica Shamerina
GEF Small Grants
Programme, UNDP



Grace Ronoh
ACCESS Coalition



Dr. Long Seng To
STEER Centre
Loughborough University



Dr. Willington Ortiz
VISIONS Initiative
Wuppertal Institute



Setting the Scene

Maximizing the Impacts of Energy Access on People's Development Opportunities

Panelist:

Dr. Long Seng To

Joint Director of the Centre for Sustainable Transition:
Energy, Environment and Resilience (STEER)
Loughborough University





Loughborough
University

STEER – Centre for Sustainable
Transitions: Energy,
Environment and Resilience

Dr Long Seng To
24th March 2022

Maximizing impacts of energy access on people's development opportunities

1 NO
POVERTY



2 ZERO
HUNGER



3 GOOD HEALTH
AND WELL-BEING



4 QUALITY
EDUCATION



5 GENDER
EQUALITY



6 CLEAN WATER
AND SANITATION



7 AFFORDABLE AND
CLEAN ENERGY



8 DECENT WORK AND
ECONOMIC GROWTH



9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



10 REDUCED
INEQUALITIES



11 SUSTAINABLE CITIES
AND COMMUNITIES



12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



13 CLIMATE
ACTION



14 LIFE
BELOW WATER



15 LIFE
ON LAND



16 PEACE, JUSTICE
AND STRONG
INSTITUTIONS



17 PARTNERSHIPS
FOR THE GOALS



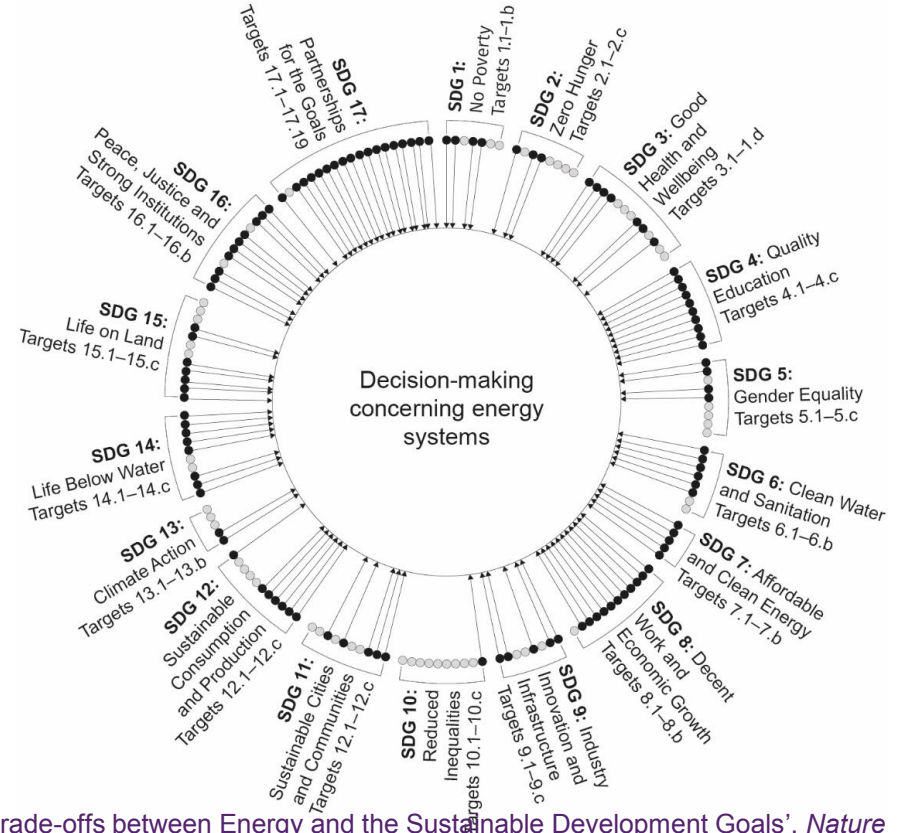
**SUSTAINABLE
DEVELOPMENT
GOALS**

CHANGES IN ENERGY SYSTEMS

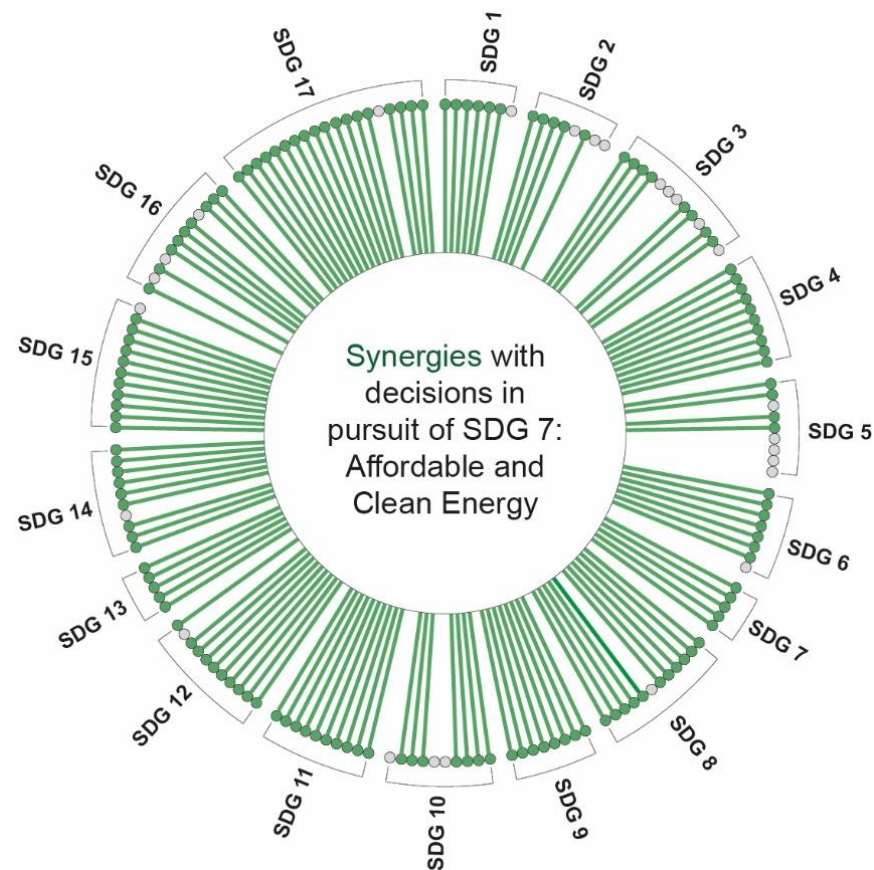
113 Targets (~65%) require actions to be taken concerning energy systems.

E.g. to:

- address **climate change**
- reduce deaths from **pollution**
- Improve **justice**



- Fuso Nerini, F., Tomei, J., To, L.S., et al. (2018), 'Mapping synergies and trade-offs between Energy and the Sustainable Development Goals', *Nature Energy*, 3, 10-15.
- Bisaga, I., Parikh, P., Julia Tomei, and To., L.S. (2020) "Mapping Synergies and Trade-Offs between Energy and the Sustainable Development Goals: A Case Study of off-Grid Solar Energy in Rwanda." *Energy Policy*, 149, 112028.



143 SYNERGIES

WELFARE AND WELLBEING

Ending **poverty** & providing access to **healthcare**, **education**, **water** and **sanitation**

INFRASTRUCTURES

Energy infrastructures for:

- **Food & Water** systems
- **Medical** facilities
- **Sustainable cities**

ENVIRONMENT

Renewable and efficient energy will be needed to achieve environmental targets

65 TRADE-OFFS

WELFARE AND WELLBEING

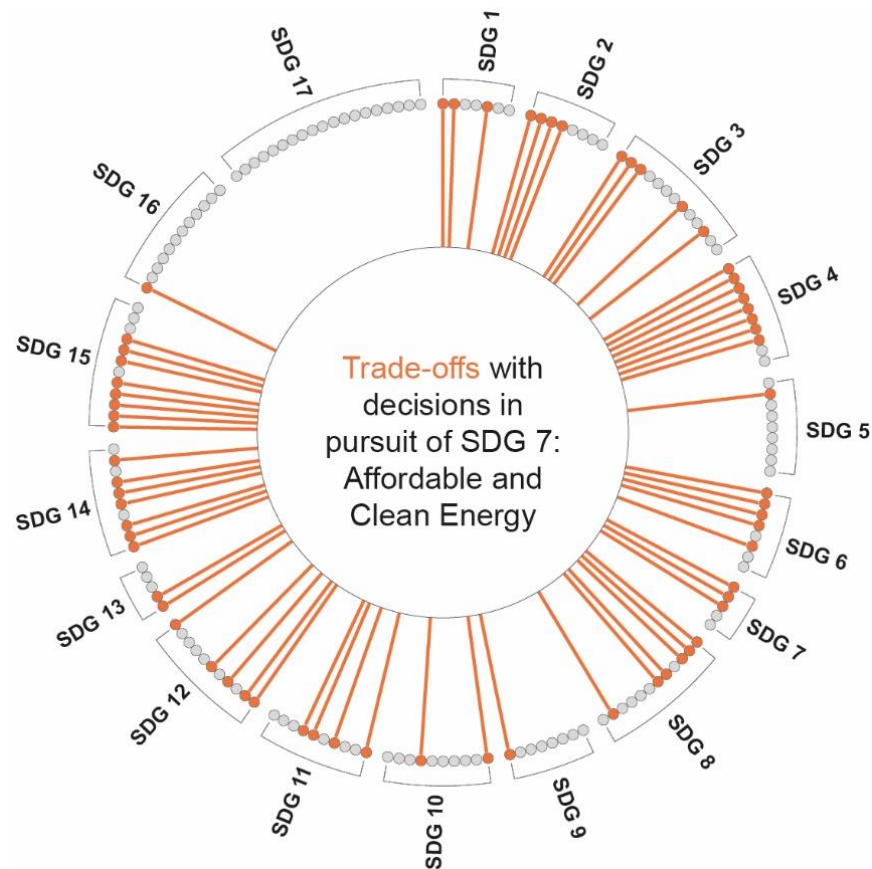
Potential trade-offs with **local communities** from renewable energy projects (e.g. hydro, biomass)

INFRASTRUCTURES

Large infrastructure projects can have impacts on achieving several other SDGs

ENVIRONMENT

Energy services for all by 2030 can impact **climate change and local pollution**





Starting from people's own strategies

An observation

strategic use of energy by households and communities to improve their resilience

- in disaster situations
- in everyday life

Implications for

- Humanitarian aid
- International development
- Disaster risk reduction: prevent, prepare, respond, recover
- Energy planning



L.S., 2015. Renewable Energy Projects in Rural China: A Systemic Capacity Approach (PhD thesis). University of New South Wales, Sydney.



Carrero, R., Acuto, M., Tzachor, A., Subedi, N., Campbell, B. & To, L.S. (2019). Tacit networks, crucial care: Informal networks and disaster response in Nepal's 2015 Gorkha earthquake, *Urban Studies*, 56, 561–577.

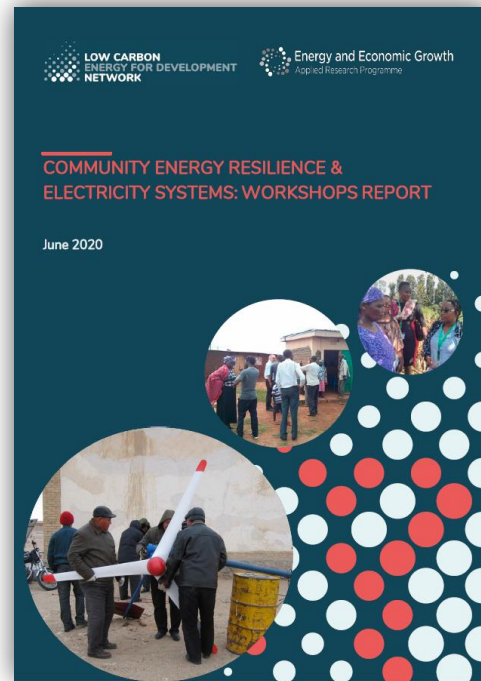


Chitawo, M.L., Chitedze, I., To, L.S., Mwale, V., Gondwe, K.T., Maroyi, T. (2021) Unbending
h of a Low-Income Country's Energy Sector amid the COVID-19 Pandemic: Perspectives
nergies, 14, 7184.

Co-design research agendas & solutions

Research needed on:

- Energy system design to improve resilience
- The role community plays in ensuring energy system resilience
- Role energy systems play in community resilience



Conclusion



- Energy has many synergies with SDGs
- Addressing resilience is needed to maintain progress towards SDG7
- Start from community's own strategies
- Co-design agendas and solutions



Thank you!

Dr Long Seng To
l.to@lboro.ac.uk
@longsengto
longsengto.com



Setting the Scene

Maximizing the Impacts of Energy Access on People's Development Opportunities

Panelist:

Angelica Shamerina

Climate Change Advisor

GEF Small Grants Programme, UNDP



Webinar series: “Maximizing Impacts from Energy Access”

Webinar 1: Setting the scene - maximizing the impacts of energy access on people’s development opportunities



24 March 2022

Overview

- Local solutions to global environmental problems
- Supports community-based initiatives and actions
- Since 1992, GEF Corporate Program, implemented by UNDP



KEY FACTS



21,600
PROJECTS
on global environmental
issues.



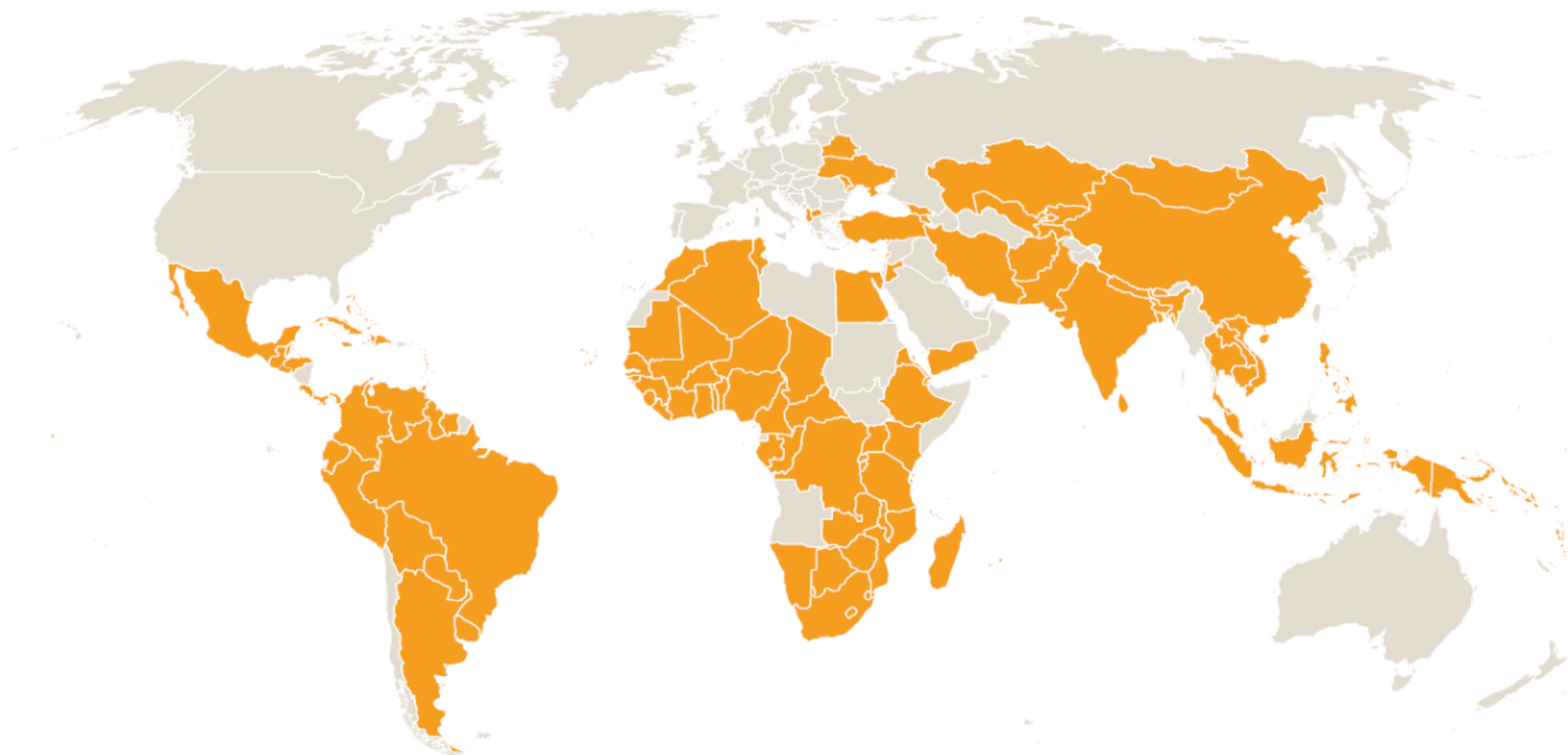
UP TO
\$50,000
PER GRANT
directly to CSOs and local
communities for innovative and
community-driven ideas that can
then be replicated and scaled up.



US\$582
MILLION
in total Grants and equal
amount of cofinance.



126
COUNTRIES

37
SIDS40
LDCS

SGP is active in 126 countries, with 111 countries being supported by the SGP Global Programme, and 15 SGP upgraded country programs. Least Developed Countries (LDCs) and Small Island Developing States (SIDS) currently account for 62% of SGP Global country programs.

Climate Change Programming

- ✓ 5,672 grants, over \$169 million in grant funding, leveraging over \$217 million in co-financing;
- ✓ <https://sgp.undp.org/areas-of-work-151/climate-change.html>
- ✓ Provides catalytic financing for community level actions for implementation of the Paris Agreement;
- ✓ Renewable and energy efficient technologies providing socio-economic benefits and improving livelihoods;
- ✓ Supporting green recovery: support of health facilities, digital technologies and green jobs, targeting the most vulnerable.



Approach to Energy Access Investments

- ✓ Community ownership/direct funding
- ✓ Emphasis on livelihoods in addition to Global Environmental Benefits
- ✓ Linkages to productive activities as a pre-condition for finding
- ✓ Tracking co-benefits and SDG linkages
- ✓ Inclusion: targeting the vulnerable and responding to their needs (over 40% of projects led by youth, 34% led by women), gender and youth focal points in steering committees, mainstreaming, earmarked funds
- ✓ Empowerment: facilitating participation, supporting dialogues, enhancing capacities



Understanding Key Factors

-
- ✓ Worked to codify and systematize SGP approach using best practices
 - ✓ Working with IIED to understand how Energy Delivery Model they developed can be applied to SGP.
 - ✓ IIED identified “success factors” that help ensure sustainability of energy investment at the local level, some are already present in SGP approach. Examples of success factors:
 - Community engagement
 - Contextual analysis
 - Delivery Model
-

THANK YOU!

Angelica Shamerina
Climate Change Program Advisor
Regional Focal Point for Latin America and Caribbean and
Francophone Arab States
GEF Small Grants Programme
United Nations Development Programme
Twitter: @ashamerina
Website: <http://sgp.undp.org>



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Panelist:

Grace Ronoh

Programme Officer

The Alliance for Civil Society Organizations for Clean
Energy Access (ACCESS Coalition)



The logo for ACCESS, featuring the word "access" in a white, lowercase, sans-serif font with a slight 3D effect, set against a solid orange rectangular background.

**Alliance of Civil Society
Organisations for
Clean Energy Access**

Webinar :Maximizing impacts from Energy access

Grace Ronoh

Programme Officer, ACCESS Coalition

Energy planning in Sub Saharan Africa

access

Alliance of Civil Society
Organisations for
Clean Energy Access



What is the role of CSOs in addressing the gaps ?

Bridge national goals with local action

Drive inclusive energy processes

Catalyze finance for last mile solutions

Research and grassroots innovation

Advocating for conducive business environment

ACCESS Coalition's role in ensuring energy access

- A global coalition of 100 organizations working at the local, national, regional and international levels
- Strong representation of National and regional CSOs, in addition to INGOs
- Majority of members are based in Africa or work in Africa
- Platform through which CSOs can present a united and coherent message

Mission: Advocating for people living in poverty to have access to safe, reliable and affordable energy, and for environmentally sustainable and efficient energy systems globally

ACCESS Coalition



Alliance of Civil Society
Organisations for
Clean Energy Access

National
Implementation of
SDG 7
(universal access to
modern energy for
all by 2030)

Influencing World
Bank and African
Development Bank
Energy planning
processes

Knowledge and
Capacity building

ACCESS coalition

- **Research** - Evidence-based research and strategic guiding briefs produced in collaboration with the ACCESS-Learning Group to enable CSOs deliver on SDG7
- **Good practices and knowledge sharing** - knowledge sharing and dissemination of research with tailored set of learning opportunities for CSOs
- **Partnership building** - Stimulating strategic alliances to engage (non-)energy CSOs - Stimulating innovative and multi-sectoral partnerships among energy CSOs and between energy and non-energy CSOs.



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Panel Discussion



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Wrap Up & Conclusion