

# Unleashing the Transformative Potential of the SDGs

Energy as the Cornerstone to Sustainable Development

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# Sustainable energy objectives in Asia-Pacific



## SDG7 Targets

Target 7.1: ensure universal access to affordable, reliable and modern energy services.

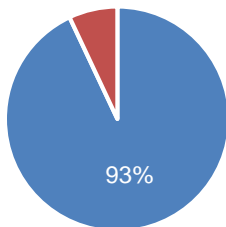
Target 7.2: increase substantially the share of renewable energy in the global energy mix.

Target 7.3: double the global rate of improvement in energy efficiency.

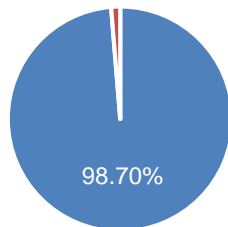
# Electricity Access Outlook

## Percentage of people in Asia Pacific with electricity access

2017

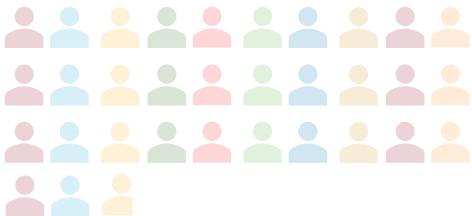


2030



## Number of people in Asia Pacific without electricity (10 millions)

2017



325 Million people

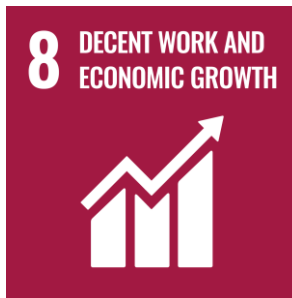
2030



66 Million people

# Access Interlinkages with other SDGs

Electricity access is interlinked with almost every other SDG. Some of the most closely linked are displayed below:



# Maximizing Benefits of Electrification



Bundling electrification service with other amenities can magnify impacts. Public amenities (schools, hospitals, etc.)

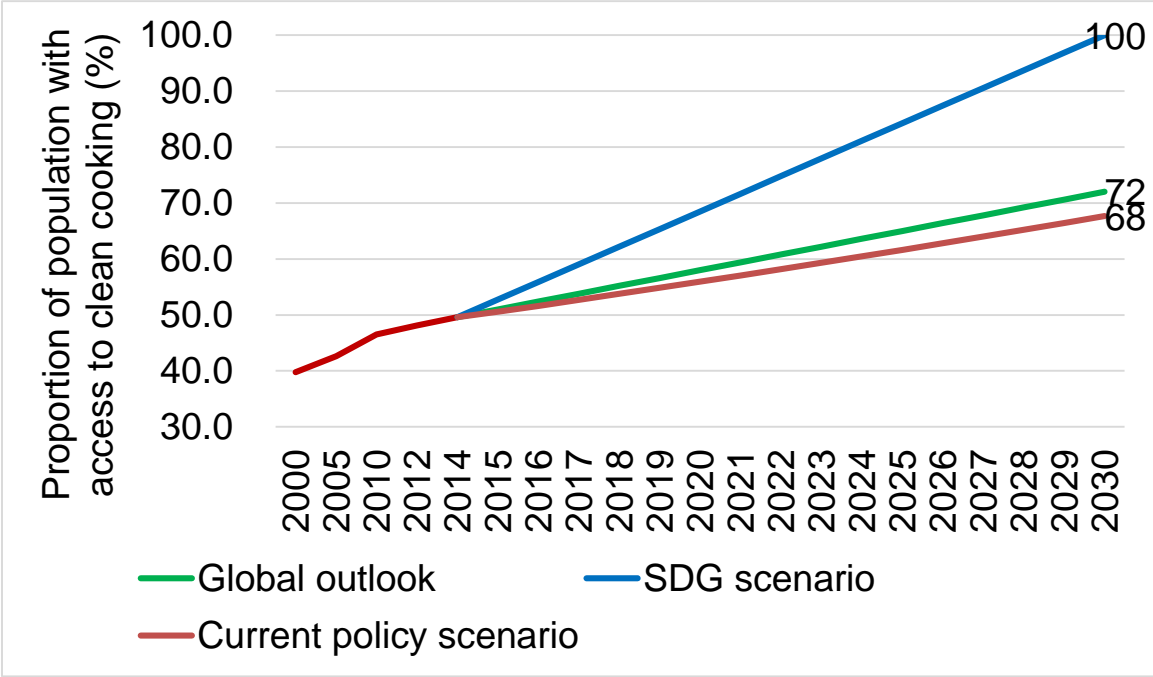


Co-deploying electricity with amenities, such as ICT and transportation lowers costs & accelerates development



Maintaining and continuing to improve electricity quality is critical to fully realizing potential benefits

# Clean Cooking Outlook



*Drastic action with locally targeted solutions is required to achieve the target on clean cooking*

# Clean Cooking Interlinkages with other SDGs



# Successfully Implementing Clean Cooking & Maximizing Benefits



Gender-sensitive programming & women's empowerment



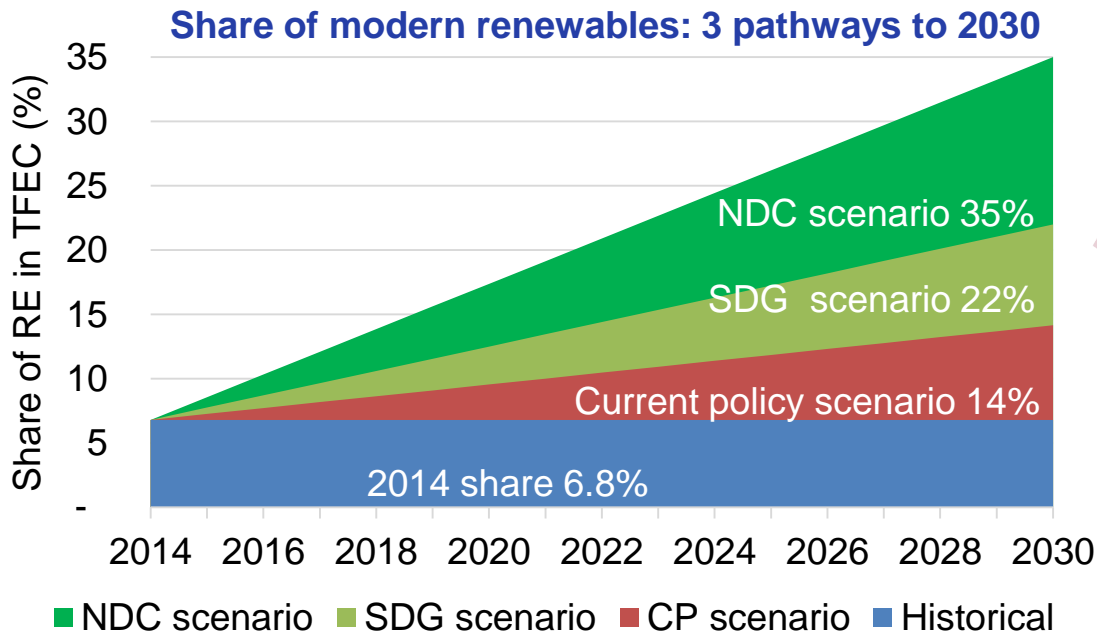
Keep the focus on impact, not technology: Evidence-based pilot programmes with evaluation and feedback loops.



Quantify and promote the health benefits. Examine issues of behavior change and positive social influence to maximize social benefits.



# Renewable Energy Outlook



*Achieving the SDG7 target means speeding up the deployment of modern renewable energy, across the region*

# Renewable Energy to combat climate change and advance social development

## Climate Change & Environment

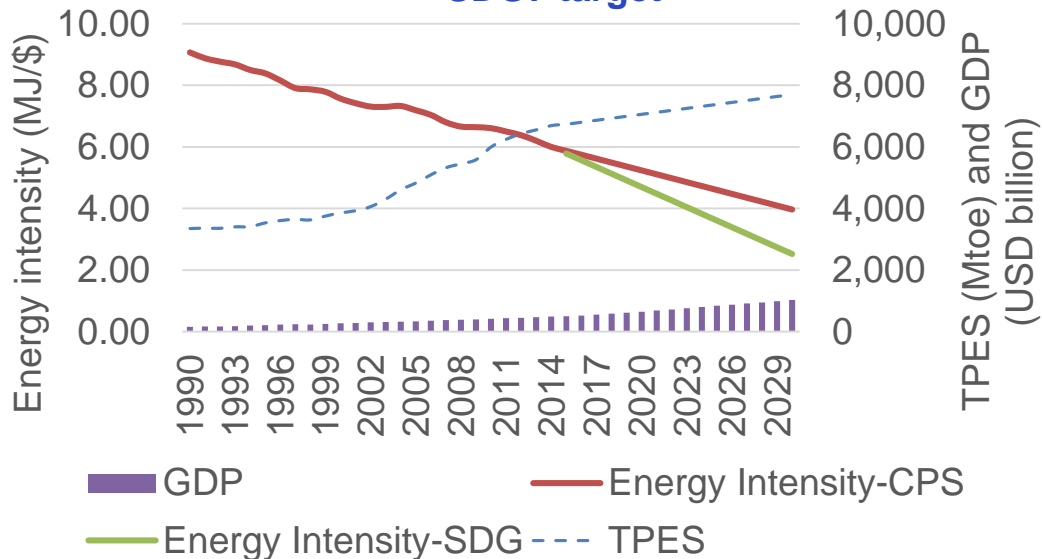
- Reduced GHG emissions
- Reduced environmental impacts from mining & deforestation
- Combats global warming

## Social Development

- Rural Electrification
- Gender
- Employment
- Reduced climate change impacts on vulnerable communities
- Financing for equity
  - Progressive cost structure
  - Remove inequitable subsidies

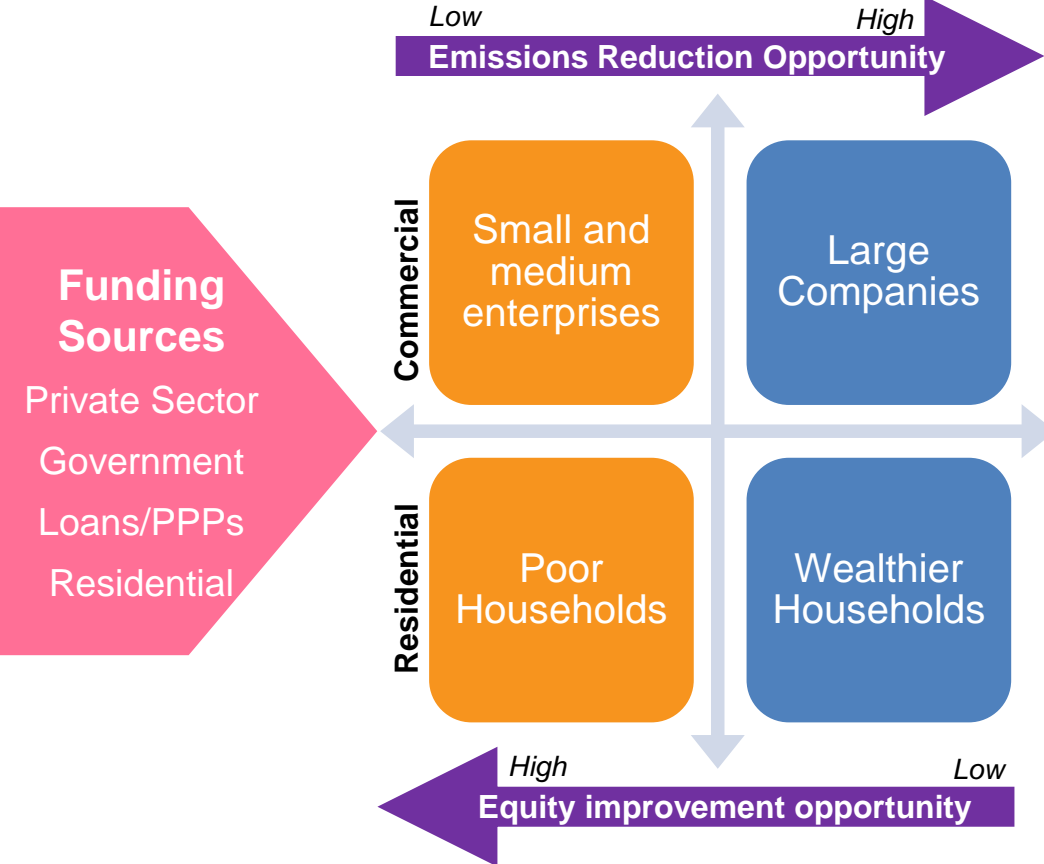
# Energy Intensity Outlook

Energy intensity under the current policies almost reaches SDG7 target



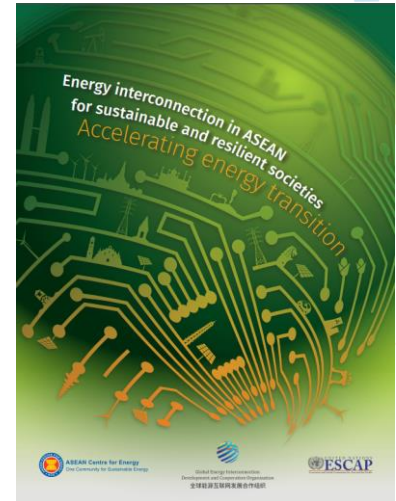
*Energy efficiency needs decisive action as a key element of the energy transition.*

# Energy Efficiency for Equity



# Regional Cooperation & Power Grid Integration

- Electric power grid interconnection across countries can increase the share of renewables in the energy mix by:
  - Connecting supply centers to demand centers
  - Helping to balance temporal variance.
- With ESCAP's facilitation, member States of Asia and the Pacific recently developed a regional Roadmap on Energy Connectivity which strategizes how to overcome some of the technical, institutional, and legal roadblocks to expanding energy connectivity.
- From a financial perspective, countries should exercise caution when taking on debt risk when implementing international infrastructure projects.



*GEIDCO/ACE/ESCAP report finds that by 2050, increasing total energy trade in ASEAN and neighboring countries to 10% of production could increase the penetration of clean energy in the mix to 62% of total generation in the region.*

# THANK YOU

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