

**Regional Consultation Meeting on Science, Technology and  
Innovation for Promoting Renewable Energy Technologies for  
Sustainable Development in Asia and the Pacific  
in support of the 2013 ECOSOC Annual Ministerial Review**

**13 March 2013, Bangkok**

**Session 3: Regional Perspectives and  
Requirements on Using STI to Promote  
Renewable Energy**

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# Outline

1. Importance of Science, Technology and Innovation (STI) in promoting Renewable Energy
2. Relationship between STI and Renewable Energy
3. Selected Case Studies from the Asia-Pacific Region on Renewable Energy Promotion
4. APCTT's Renewable Energy Cooperation-Network for the Asia Pacific
5. Conclusion



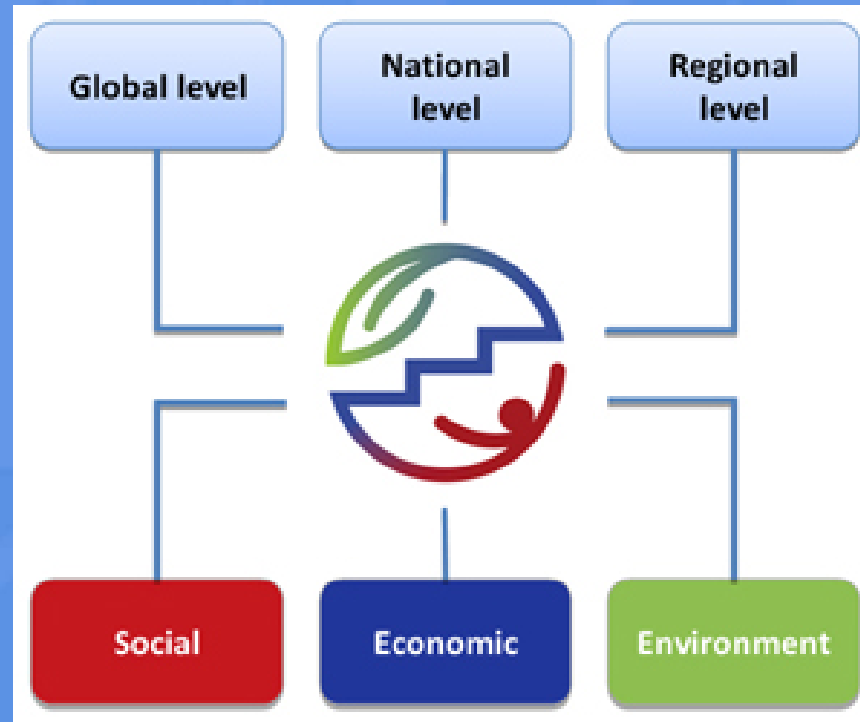
Image courtesy The Global Journal

# Introduction to APCTT

- APCTT is a Regional Institution of UN ESCAP
- APCTT is located in New Delhi, India with institutional support from the Government of India



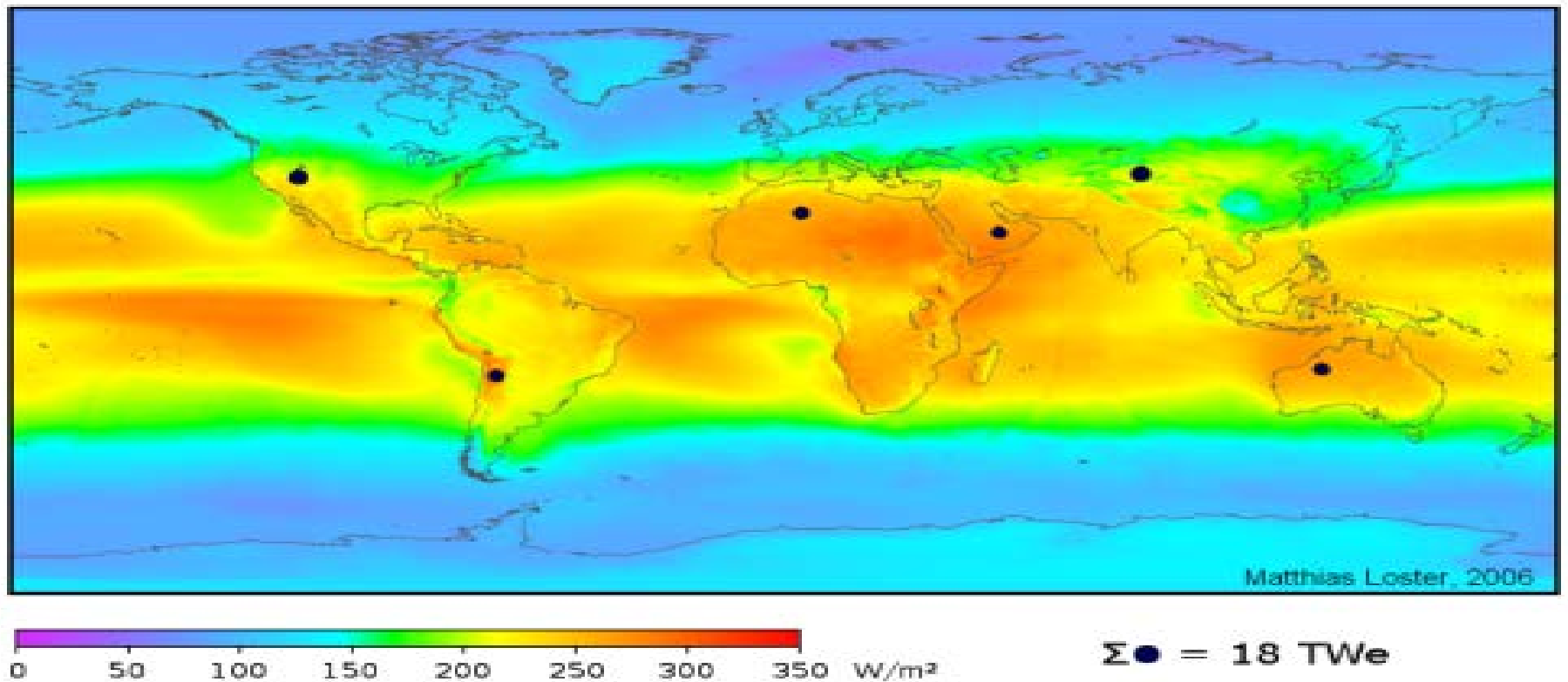
# 1. Importance of Science, Technology and Innovation (STI) in Promoting Renewable Energy



## Three Pillars of Sustainable Development

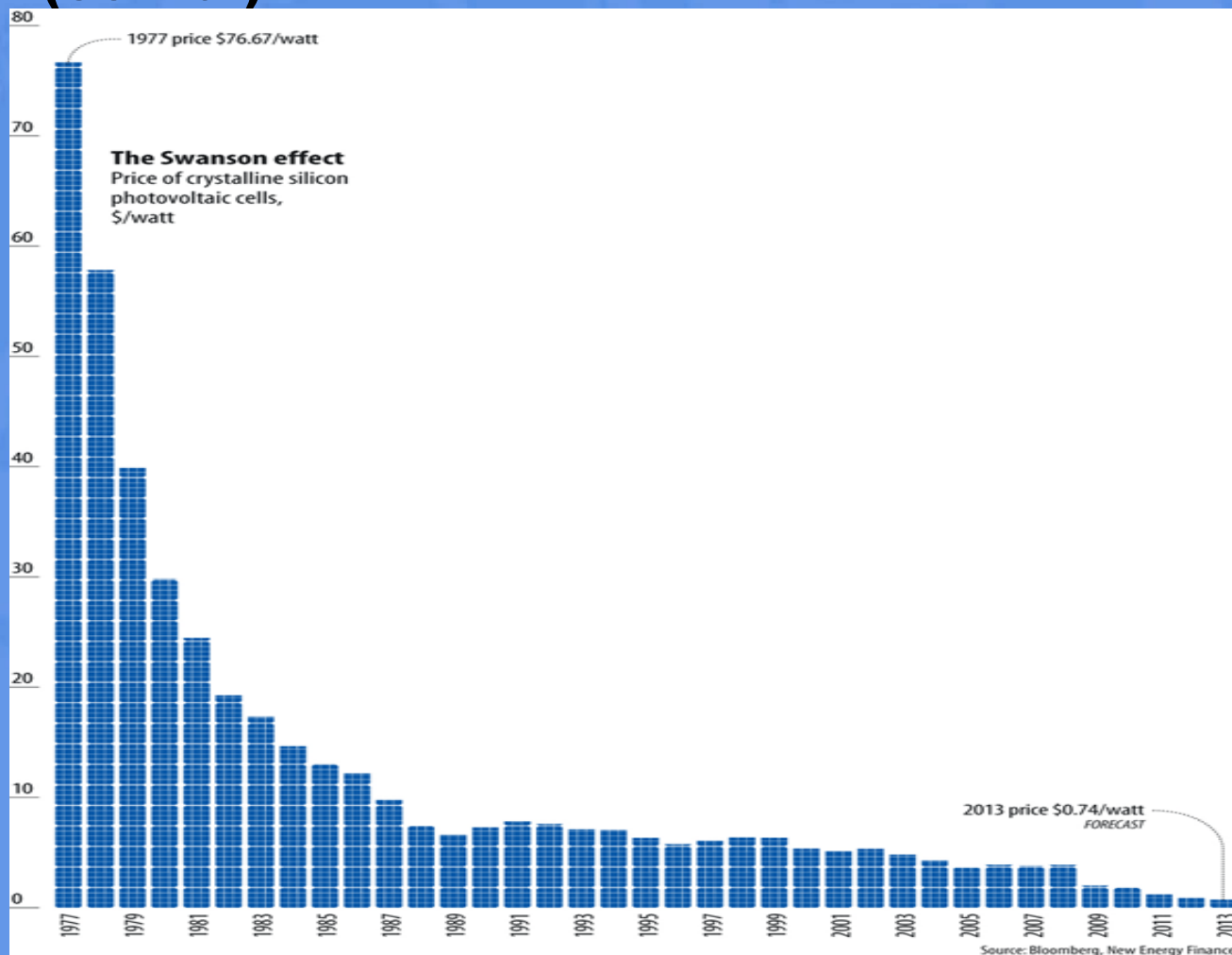
(Source: <http://sustainabledevelopment.un.org>)

## 2. Relationship between STI and Renewable Energy



Source: <http://physics.ucsd.edu>

## 2. Relationship between STI and Renewable Energy (contd.)



1. Cumulative capacity of solar PV to end 2012 = 100GW
2. Industry turnover in 2012: \$80 billion plus

Source:

[http://www.iea.org/publications/freepublications/publication/Solar\\_Energy\\_Perspectives2011.pdf](http://www.iea.org/publications/freepublications/publication/Solar_Energy_Perspectives2011.pdf)

# Energy and Poverty - interconnections



Image courtesy Creeds Energy

**Education**

**Communication**

**Market access**

**Enterprise development**

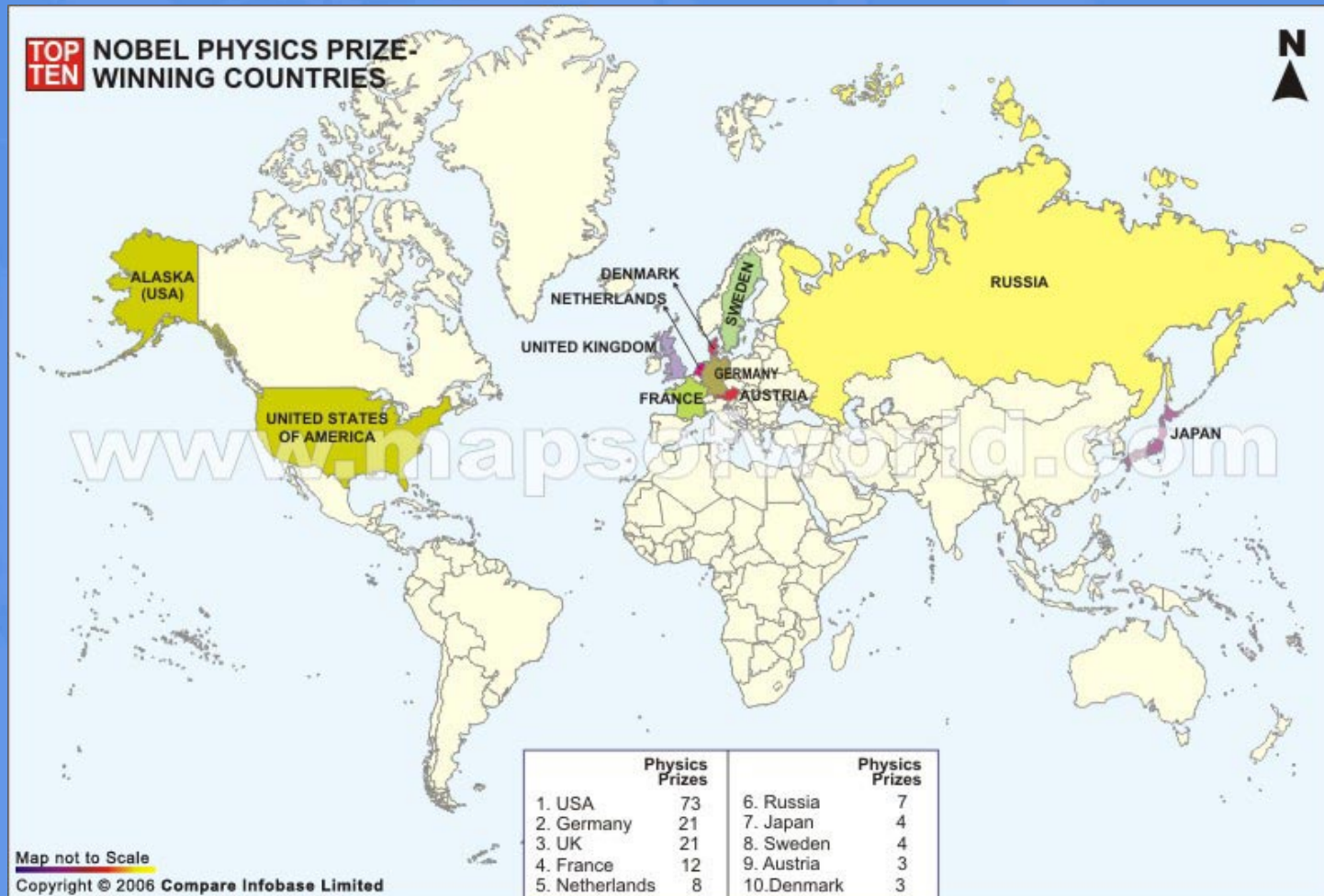
**Improved agricultural  
productivity**

**Clean water**

**Health**

**Gender**

# Top 10 Nobel Physics Prize Winning Countries (1901 to present)





### 3. Selected Case Studies from the Asia-Pacific Region for Renewable Energy Promotion Nepal – Biogas Sector Partnership (BSP)



Source: [www.ashden.org](http://www.ashden.org)

### 3. A Few Selected Case Studies from Countries in the Asia-Pacific Region on Renewable Energy Promotion



**Alliance for Mindanao Off-Grid Renewable Energy (AMORE), Philippines**

# 4. APCTT's Renewable Energy Cooperation-Network for the Asia-Pacific (RECAP)



## Renewable Energy Cooperation-Network for the Asia-Pacific

An initiative of the Asian and Pacific Center for Transfer of Technology (APCTT)



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**Plant for Planet Campaign**

Welcome to the Renewable Energy Cooperation-Network for the Asia Pacific

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## 4. APCTT's Renewable Energy Cooperation-Network for the Asia-Pacific (RECAP) Mechanism...

### RECAP Member Countries

**Bangladesh**

**Malaysia**

**Sri Lanka**

**China**

**Mongolia**

**Thailand**

**Fiji Islands**

**Nepal**

**Vanuatu**

**India**

**Pakistan**

**Vietnam**

**Indonesia**

**Philippines**

**Islamic Republic of Iran**

**Republic of Korea**

# Renewable Energy Technology Bank (RET-Bank)

## Biomass Based Bakery Oven

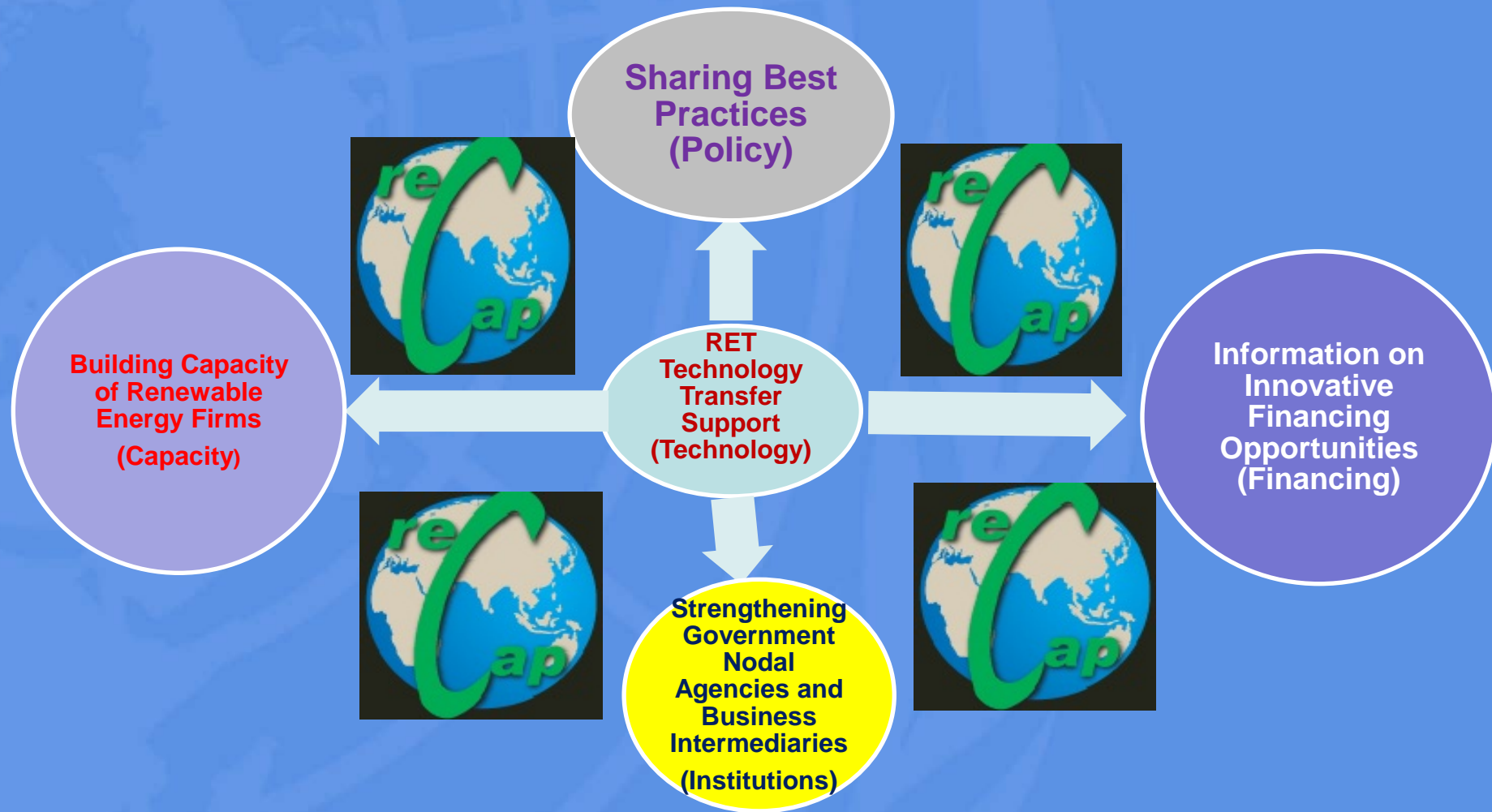


## Biomass Based Rice Cooker





## KEY SERVICES OFFERED THROUGH RECAP



# 5. Conclusion

- **STI is a critical element in promoting uptake of renewable energy technologies. Accelerated use of renewable energy, supported by STI, can address regional developmental and environmental goals.**
- **Many successful examples exist of innovation and technology adaptation of renewable energy technology in the Asia Pacific.**
- **Dialogue among stakeholders from science, policy and civil society will help identify R&D priorities, and to encourage and diffuse renewable energy innovation.**
- **National policymakers can develop policies that encourage development of national STI capabilities but also to seize opportunities presented by new external technologies.**
- **APCTT / ESCAP will continue to assist member countries to develop capacity for development, transfer and adoption of RE technologies through initiatives such as RECAP.**

# Thank you

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