

Regional Consultation on Achieving SDGs through Sector-focused STI Policies

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Renewable Energy Cooperation-Network for the Asia Pacific (RECAP) for Promoting Knowledge Sharing and Partnerships

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Outline

- Background
- APCTT's Work on Renewable Energy
- Renewable Energy Cooperation-Network for the Asia Pacific (RECAP)
- Promoting Knowledge Sharing and Partnerships through RECAP
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Background

- ❖ The United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP) at its 64th Commission Session held in Bangkok during April 24-30, 2008 focused on “***Energy security and sustainable development in Asia and the Pacific***”
- ❖ **A resolution to promote renewable energy for energy security and sustainable development in Asia and the Pacific** (Resolution E/ESCAP/64/L.13/Rev. 1 dated. 29 April 2008) was proposed during the Commission Session by ESCAP which was adopted by the member countries
- ❖ APCTT, as a Regional Institution of ESCAP, was mandated by this resolution **to establish an institutional cooperation mechanism** for enhancing the development, transfer and adoption of renewable energy technologies in the Asia-Pacific region

APCTT's Work on Renewable Energy

To support ESCAP resolution, APCTT implemented a project during 2009, entitled “*Supporting the Development of an Institutional Cooperation Mechanism to Promote Renewable Energy*” to strengthen the capacity of member countries to develop and promote RE.

Major Outcomes

- ✓ Development of an **information portal** - “Renewable Energy Cooperation-Network for the Asia-Pacific (RECAP)” website
- ✓ A **survey to assess the status of renewable energy utilization** in 12 countries in the Asia-Pacific region was carried out.
- ✓ **Guidebooks on renewable energy resource assessment and planning**
- ✓ Regional training programmes on “**Renewable Energy Technology Resource Assessment and Planning**” .

APCTT's Work on Renewable Energy

- ❖ APCTT established and operationalized an institutional cooperation mechanism to promote renewable energy in the Asia-Pacific region with support from Ministry of New and Renewable Energy, Government of India
- ❖ This mechanism known as **Renewable Energy Cooperation-Network for the Asia Pacific (RECAP)** promotes knowledge sharing, networking, and facilitating the development and application of renewable energy resources at the national level through technology transfer and South-South cooperation among RECAP member countries

Bangladesh



Islamic Republic of Iran



Philippines



People's Republic of China



Malaysia



Republic of Korea



Fiji Islands



Mongolia



Sri Lanka



India



Nepal



Thailand



Indonesia



Pakistan



Vietnam



RECAP Member Countries



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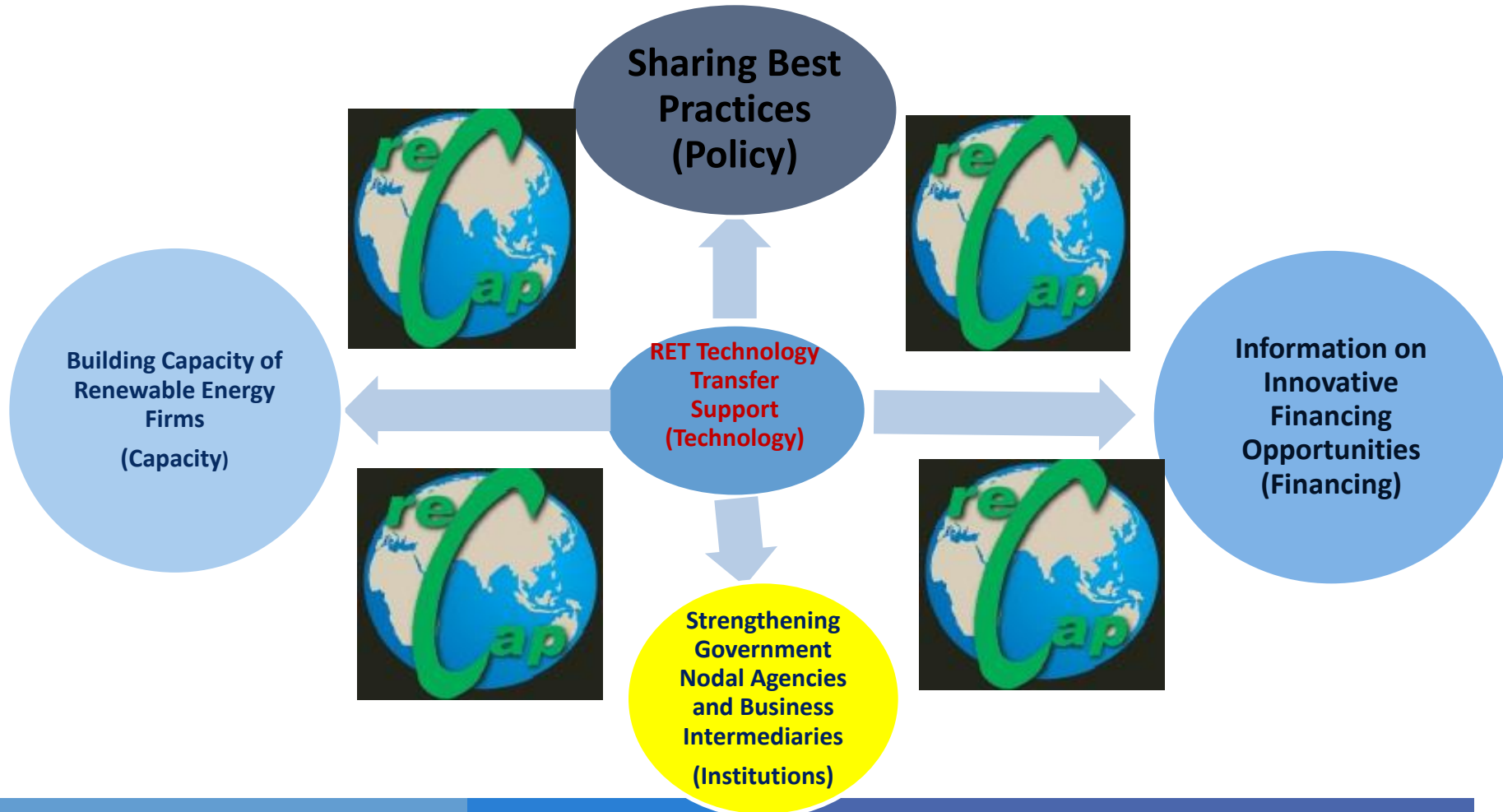


- ❖ Facilitating exchange of ideas, experiences and best practices and sharing expertise and know-how
- ❖ Information on legal, institutional and policy frameworks in the member countries for promoting renewable energy
- ❖ Promoting sub-regional and regional cooperation on renewable energy programmes and projects and Linking markets: product demand and manufacturing capability
- ❖ Information on RE technologies, exhibitions, business to business meetings, seminars and conferences on renewable energy



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Renewable Energy Technology Bank (RET-Bank)

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Plant for Planet Campaign

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

At the annual session of the United Nations Economic and Social Commission for Asia and the Pacific (ESCAP) in Bangkok in April 2008, countries of the Asia-Pacific region took a decision to enhance collaboration to promote renewable energy technologies (RETs) for energy security and sustainable development. A resolution passed during this session proposed the establishment of an institutional cooperation mechanism to strengthen national capacities for renewable energy use in the form of a network of countries that could collect and disseminate RET information, share best practices, develop national capacities to plan and implement RET transfer projects, and promote research and development collaboration.

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**Renewable
Energy
Technology
Bank**





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- ❖ The primary objective of RECAP network is to facilitate **technology transfer cooperation among countries** in the Asia-Pacific region in the area of renewable energy
- ❖ APCTT has developed a “**Renewable Energy Technology Bank (RET-Bank)**” of tested and proven renewable energy technologies (RETs) initially in the areas of solar, biomass, wind, mini-hydro power and geo-thermal energy
- ❖ APCTT has developed this RET- Bank as on-line technology database freely available for public access through its RECAP website. As of now **60 technologies available** for commercial transfer through RET-Bank



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Centralized Lantern Charging Station



Solar Stills



Biomass Rice Cooker

Solar Foldable Modules



Solar Lanterns



Biomass Wood Gas Stove





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Biomass Energy Resource Assessment Handbook

Prepared for

APCTT

Asian and Pacific Centre for Transfer of Technology
Of the United Nations – Economic and Social
Commission for Asia and the Pacific (ESCAP)

By

Sameer Maithal
September 2009

A Regional Cooperation Mechanism for facilitating renewable energy cooperati in the Asia Pacific Region

Dr S. Kumar
Professor, Energy Field of study
Asian Institute of Technology

Submitted to

Asia and Pacific Center for Transfer of Technology
New Delhi, India

March 2011

Wind Energy Resource Assessment Handbook

Prepared for

APCTT

Asian and Pacific Centre for Transfer of Technology
Of the United Nations – Economic and Social
Commission for Asia and the Pacific (ESCAP)

By

Mr. Praneesh Rao Muthya
September 2009

Solar Energy Resource Assessment Handbook

Prepared for

APCTT

Asian and Pacific Centre for Transfer of Technology
Of the United Nations – Economic and Social
Commission for Asia and the Pacific (ESCAP)

By

Dr. P. Jayakumar
September 2009

A GUIDE BOOK ON INTELLECTUAL PROPERTY ISSUES TO BE CONSIDERED WHILE TRANSFERRING RENEWABLE ENERGY TECHNOLOGIES



APCTT-UNESCAP

Asian and Pacific Centre for Transfer of Technology
Of the United Nations – Economic and Social
Commission for Asia and the Pacific (ESCAP)

Micro Hydro Power Resource Assessment Handbook

Prepared for

APCTT

Asian and Pacific Centre for Transfer of Technology
Of the United Nations – Economic and Social
Commission for Asia and the Pacific (ESCAP)

By

Dilip Singh
September 2009



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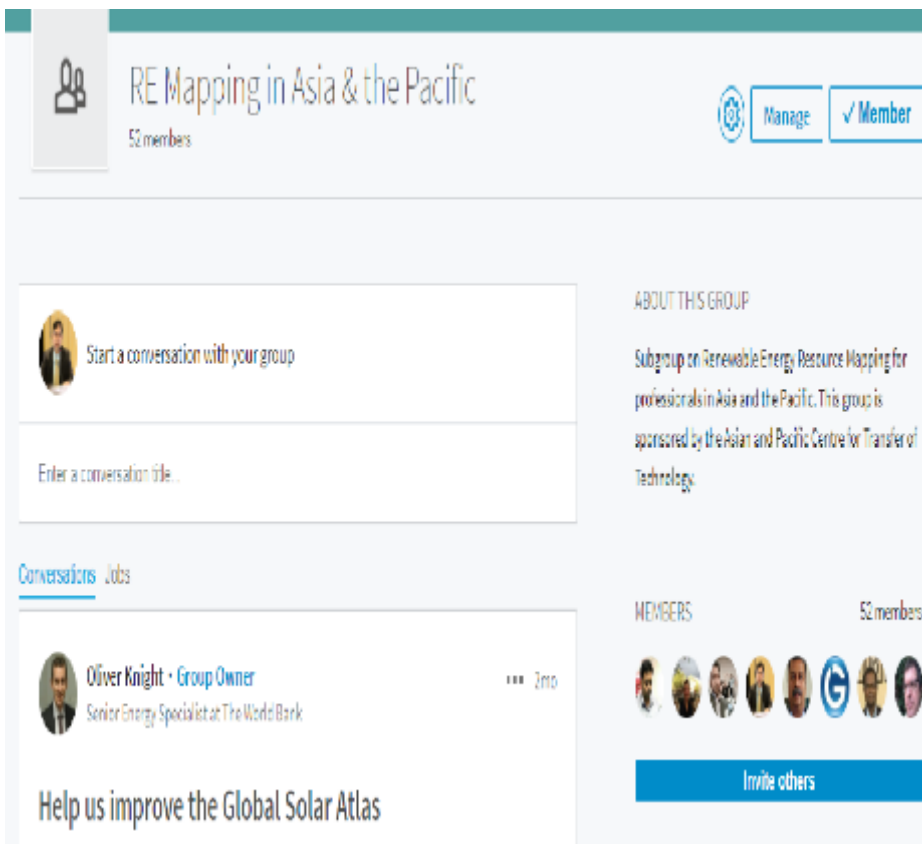


Web Links for RECAP and RET-Bank

RECAP Website: <http://apctt.org/recap>

RET Bank: <http://apctt.org/recap/renewable-energy-technology-bank>

Promoting Knowledge Sharing and Partnerships through RECAP



RE Mapping in Asia & the Pacific
52 members

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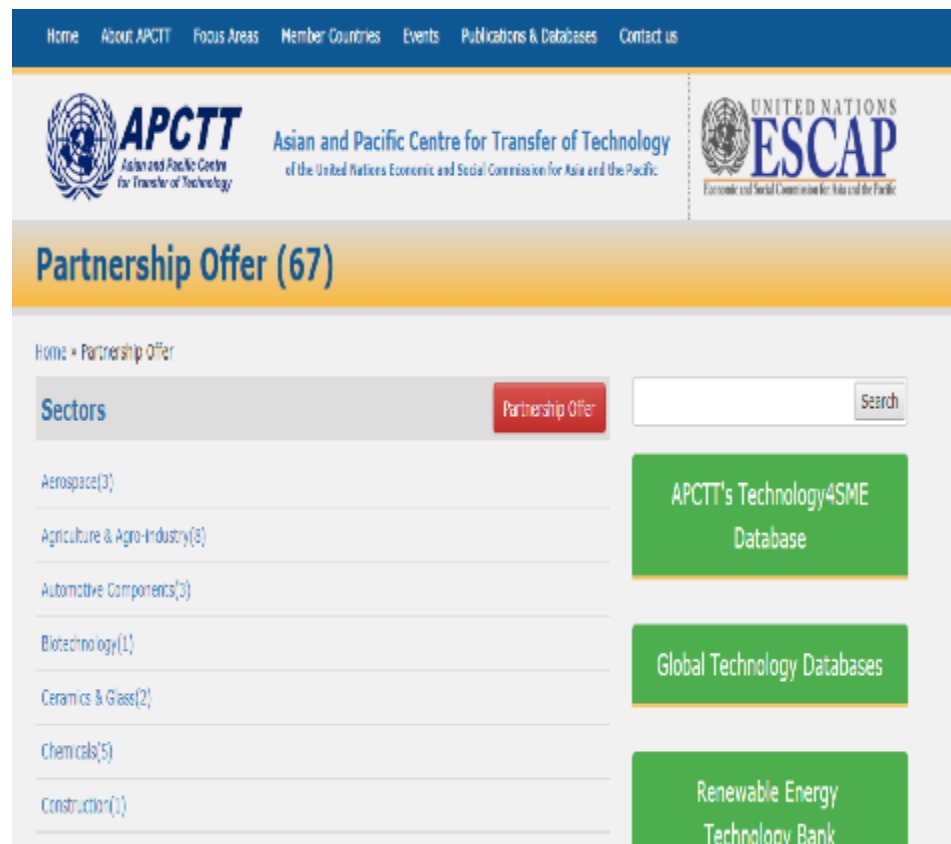
Oliver Knight • Group Owner
Senior Energy Specialist at The World Bank

Help us improve the Global Solar Atlas

ABOUT THIS GROUP
Subgroup on Renewable Energy Resource Mapping for professionals in Asia and the Pacific. This group is sponsored by the Asian and Pacific Centre for Transfer of Technology.

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Construction(1)

APCTT's Technology4SME Database

Global Technology Databases

Renewable Energy Technology Bank

Concluding Remarks

- ❖ RECAP is open for all stakeholders involved in the development, transfer and adoption of renewable energy
- ❖ APCTT is keen to organize more capacity building programmes on various aspects of renewable energy technology transfer for the benefit of countries in the Asia Pacific
- ❖ Public R&D organizations and RE technology promotion agencies are invited to submit technologies to RET-Bank
- ❖ APCTT is also interested to assist countries in planning and performing RE resource assessments at the national level in partnership with other international organizations

Thank you

For more information, contact

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