



**Asia-Pacific  
Economic Cooperation**

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## **Dissemination of Environmental Technologies in APEC: Challenges and Opportunities**

Submitted by: International Centre for Trade and Sustainable  
Development (ICTSD)



**Seminar on Dissemination of  
Environmental Technologies  
Big Sky, United States  
11 May 2011**

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## Dissemination of Environmental Technologies in APEC: Challenges and Opportunities

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## Overview

- Barriers to dissemination of environmental technologies
- Opportunities for dissemination of environmental technologies



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## Barriers to dissemination of environmental technologies

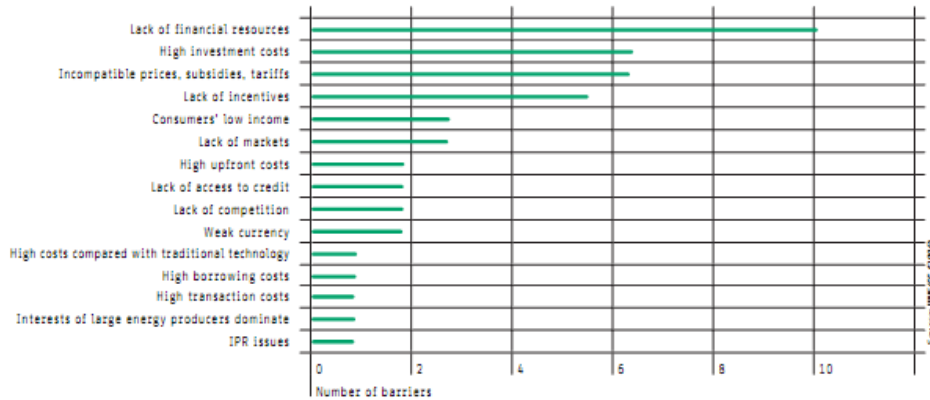
- IPRs
- Investment
- Trade barriers: tariff and non-tariff
- Practical and cultural barriers



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### 02 Economic and market barriers to technology transfer\*



\* By UNFCCC Non-Annex I parties



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# Opportunities for successful transfer of clean tech

## Progress EGS in/beyond Doha Round WTO (Para. 31(iii) DMD)

- Identification of goods
- Coverage
- Treatment
- SD&T and TT  
(TN/TE/W/79 and JOB  
(07/146)
- Environmental services

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### Bilateral trade agts: example of Mainland China and Macao Closer Economic Partnership Arrangement (CEPA)

#### 2. Cooperation in Environmental Industry

Cooperation in the environmental industry plays an important role in promoting economic development in both places as well as in facilitating the economic and trade exchanges between both places. The two sides agree to strengthen cooperation in the environmental industry with the view to supporting the joint development of the industry in both places.

##### 2.1 Cooperation mechanism

Under the guidance and coordination of the Joint Steering Committee, the two sides will set up a relevant working group with a view to strengthen cooperation in the area of environmental industry.



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#### 2.2 Content of Cooperation

The two sides agree to strengthen cooperation in the following areas:

Support and strengthen exchanges and communication with regard to the environmental industry of both places.

Exchange information relating to the formulation and enforcement of laws and regulations in respect of the environmental industry.

Enhance cooperation in the area of training, organizing visits, etc..

Strengthen cooperation between the two places in the environmental industry by various means including organizing trade exhibitions, seminars, etc..

Explore cooperation proposals to further facilitate business operations in order to support the development of the environmental industry of both places.

##### Participation of other entities

The two sides agree to support and assist semi-official organizations, non-official organizations and the trade to play a role in promoting cooperation in the environmental industry between the two places.



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## Climate Change:

- *Article 4.5 of the UNFCCC*
- *the Technology Mechanism*



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## Facilitators of clean tech - technology transfer

- ✓ Regimes supporting TT through trade and Foreign Direct Investments (FDI)
- ✓ Balanced IP regimes to promote innovation (private sector finance 2/3 of global investments in clean tech innovation, but depends on return to investment)
- ✓ Incentivising public-private partnerships and collaborative R&D efforts among APEC countries.



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### Facilitators of clean tech - technology transfer (cont'd)

- ✓ Environmental regulation, e.g. Market based mechanisms, putting a strong, stable and predictable price on carbon emission
- ✓ Skills and capacity building, e.g. through Joint Ventures
- ✓ Climate Change Technology Innovation Strategy



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### Value-chain of EGS

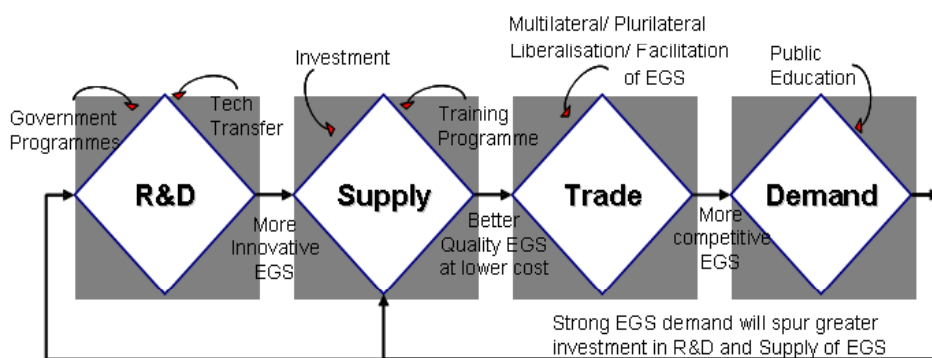


Figure 1: Virtuous Cycle of Success for the EGS Framework



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**Don't forget Europe!**



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**謝謝**  
THANK YOU



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## Dissemination of Environmental Technologies: What Matters

Organized by APEC

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Big Sky Resort, Big Sky, United States of America



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