

**Establishment of the Guidelines  
for the Development of Biodiesel Standards in the APEC Region  
(EWG 02/2007A) Thailand**

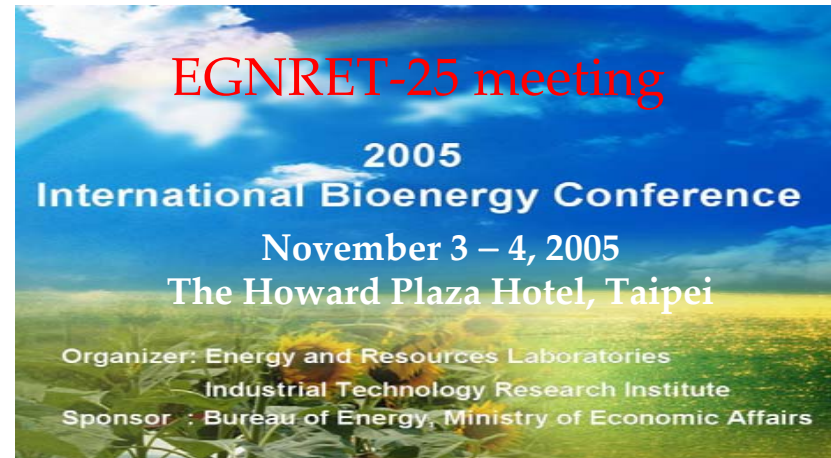
**APEC 21st Century Renewable  
Energy Development Initiative  
(Collaborative IX)**

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**presented at EGNRET Thirty-third Meeting  
The Howard Plaza Hotel Taipei, Chinese Taipei  
5 October 2009**

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Thailand Institute of Scientific and Technological Research (TISTR)**

# APEC-wide Foresight Study: Future Fuel Technology (2004-2005)



Possible future  
cooperation

Development of codes  
and standards for biofuels

Recommendation

Harmonize and standardize  
biodiesel specification

## EGNRET-26 meeting

APEC 21st Century Renewable Energy Development Initiative  
(Collaborative IX):  
Establishment of the Guidelines  
for the Development of Biodiesel Standards in the APEC Region

EWG02/2007A

# Establishment of the Guidelines for the Development of Biodiesel Standards in the APEC Region

EWG 02/2007A

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Proposing APEC Economy:

1) Thailand

Co-sponsoring APEC Economies:

2) Australia 3) Chinese Taipei 4) New Zealand 5) USA

Project duration: 2007- 2008

# Objective of the Project

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- ❑ To establish the guidelines for development of biodiesel standards in the APEC region for enhancing the trade of biodiesel among APEC member economies.
- ❑ To offer the possibility for a sustainable energy source with a neutral effect on greenhouse gas emissions.

# Introduction

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- ❑ Biodiesel, renewable fuel, produced from animal fats and vegetable oils
- ❑ The quality of biodiesel produced depend on the natural characteristics of feedstocks
- ❑ EN 14214:2003 and ASTM D 6751:2003 are the standards currently used
- ❑ The feedstocks used in EU and US are different from those used in APEC region

# Project output (1)

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- 1. Organize the first workshop in Thailand during October 25-26, 2007 with 90 participants from 15 APEC and non-APEC Economies.**
- 2. Organize the second workshop in Chinese Taipei, July 15-16, 2008 with 76 participants from 11 APEC and non-APEC Economies.**

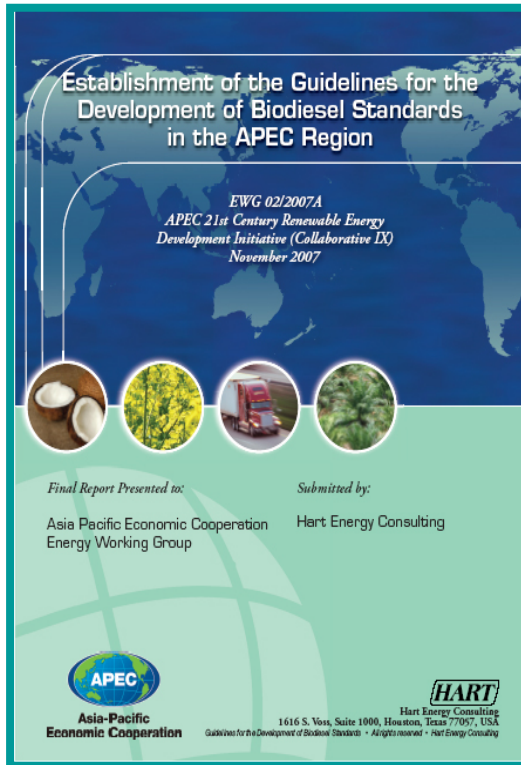
## Project output (2)

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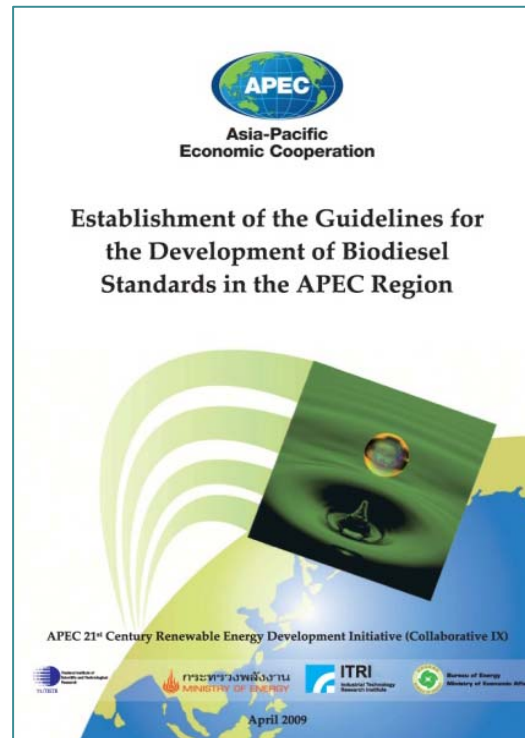
3. Position Paper on the Guidelines of BDF Standard including
  - *The current biodiesel standards*
  - *Potential feedstocks*
  - *Lessons learned on the affects of biodiesel on diesel engines*
  - *the investigation of the additives necessary for biodiesel*
4. Final Report in English and Thai version with opportunities and lesson learned
5. Documents from both workshops and reports prepared in CD rom

# Project Report

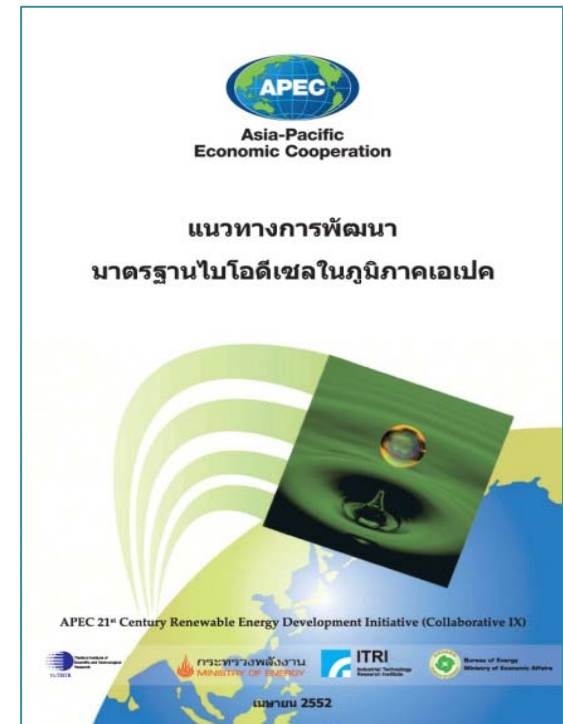
## April 2008



## April 2009



## July 2009







มหาพรตราชินี  
*Mitrephora sirikilitiae*

Thank You

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