Progress Report – Workshop on LCA for APEC Member Economies (IST 01/2008S)

Purpose: Information
Submitted by: Japan
### APEC PROJECT FORMAT

**Progress Report on APEC Projects**

<table>
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<tr>
<th>Operational Account</th>
<th>TILF Special Account</th>
<th>APEC Support Fund</th>
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<td>Project number: ISTWG 01/2008S</td>
<td>Date received by Secretariat:</td>
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**Name of Committee/Working Group:** Industrial Science and Technology

**Title of Project:** Workshop on LCA for APEC Member Economies

**Proposing APEC Economy:** Japan

**Co-sponsoring APEC Economy:** Chile, Chinese Taipei, Republic of Korea, Thailand

**Project Overseer:**

Atsushi Inaba, Director, Research Center for Life Cycle Assessment, National Institute of Advanced Industrial Science and Technology (AIST)

**Postal address:**

16-1 Onogawa, Tsukuba, Ibaraki 305-8569 Japan

- **Tel:** +81-29-861-8145
- **Fax:** +81-29-861-8195
- **E-mail:** a-inaba@aist.go.jp

**Financial Information**

- **Total cost of proposal (US$):** US46,000 by self fund
- **Amount being sought from APEC Central Fund (US$):** None

**Type of Project:**

- Seminar/symposium
- Short-term training course
- Survey or analysis
- Database/website
- Others *(Please specify)*

**Project start date:** 6 Mar 2008

**Project end date:** 7 March 2008

**Brief description of Project:**

Workshop on LCA for APEC Member Economies will be held on March 6 & 7, 2008 in Tokyo to exchange information on LCA activities.

**Signature of Project Overseer:**

*(Separate written confirmation acceptable for email submission)*

*Date: 15Feb2008*

**Signature of Committee Chair/WG Lead Shepherd:** *(Not applicable to Progress Report and Evaluation Report)*

*(Separate written confirmation acceptable for email submission)*

*Date:*
### Progress Report on APEC Projects

#### Status/Progress and Problems

<table>
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<tr>
<th>Current status of project:</th>
<th>On schedule (Yes/No)</th>
<th>Within budget (Yes/No)</th>
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#### Objectives

To share of knowledge and information on LCA and to discuss its application and innovation for global sustainability. It is on schedule.

#### Linkages, Methodology, Budget

Everything is going satisfactory so far.

#### Gender Considerations

We invited women as organising committee members and speakers.

#### Progress since last report:

The program of the workshop is on the web of AIST ([http://unit.aist.go.jp/lca-center/cie/index.html](http://unit.aist.go.jp/lca-center/cie/index.html)), which includes 7 sessions; Life Cycle Inventory Database, LCI and LCA Studies, Life Cycle Impact Analysis, LCA for Biomass Utilization, LCA for Local Activities, Activities on MFA and Energy System, and the Application of LCA.

#### Notes:

- All Committee and Working Group projects, irrespective of their source of funding, should be reported to BMC.
- Please mark “N.A.” if any item is not applicable.
- Name of Project should be identical with the name stated in the project proposal.
End of Project Report from Japan (self fund)
co-sponsors: Chile, Chinese Taipei,
Republic of Korea, Thailand, others

“Workshop on LCA* for APEC Member Economies”

- What is LCA?
- Needs & Benefits for APEC members
- Records, Achievements and Next Steps

Atsushi INABA, Masayuki SAGISAKA
LCA Research Centre,
National Institute of Advanced Industrial Science & Technology (AIST), Japan

* LCA: Life Cycle Assessment

What is LCA?

- Oil
- Bauxite
- Aluminum
- Iron Ore
- Coal

- Electric Power
- Generation

- Oil Refinery

- Recycling

- Solid Wastes

- Iron Works

- Car Factory

- Plastic Materials
LCA:
A Tool to Evaluate Environmental Burden of Products/Services

Eco-design Tool

Needs: Environmental Requirements (EuP, ROHS, etc.)
Protection of Environment (Global Warming, etc.)
Academic Progress (Environmental Science, etc.)

Benefits: Promotion of Trade
Reduction of Environmental Impacts
Advances in Environmental Sciences

LCA Workshops in Asia Pacific Region
hosted by AIST

2008 March 6th and 7th
10 Year Progress of “our” LCA and What are Next Steps?

2006 Nov.
International supply chain of agriculture products & foods
International material flows of electronic appliances after use

2004 Nov. Capacity building in the region
LCA methods development & collaboration

2002 Nov. State of the art impact assessment

2000 Dec.
Information exchange of current LCA activities
Discussions to establish network in the region
LCA case studies for materials & energy production
Discussions on public database for LCA & LCIA

1998 Nov.
Introduction of current status of LCA
Major barriers to LCA, How to develop LCA drivers

Endorsed as an APEC Project (self fund) at ISTWG 15th Meeting in Aug. 1998
# Workshop Programme

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Outcomes by the Workshops

- **Promotions for National LCA Projects**
  
  *by Member Economies*
  
  e.g. Thailand, Malaysia

- **Research Collaboration**
  Biomass LCA (Thailand, Singapore, Malaysia, The Philippines, Indonesia, Japan)

- **Asia-Pacific Voluntary LCA Researchers Network**
  http://aplcanet.rmit.edu.au/home.htm Hosted by RMIT (Australia)

Next Step

- **Human Network Development**
  Stakeholders of LCA based Environmental Assessment

- **Evolution of the Tools**
  
  *ex. Expanded tools for sustainability assessment;*
  
  Life Cycle Thinking, System Chain Analysis, Cleaner Production