Introduction

The APEC Center for Technology Foresight (APEC-CTF) and the National Science Technology and Innovation Policy Office (STI) of Thailand in partner with the Rockefeller Foundation are convening the “Integrated Foresight for Sustainable Economic Development and Eco-Resilience in ASEAN Countries” on 1-2 April 2013 at Santika Hotel, Jakarta, Indonesia.

The aim of the workshop is to apply an integrated Foresight approach coupled with sustainable economic and ecological choices to develop policies, strategies and actions that advance science, technology and innovation for inclusive development of ASEAN countries in agreement with the ASEAN Krabi Initiative’s vision of the ASEAN leaders in promoting “Science, Technology and Innovation for a Competitive, Sustainable and Inclusive ASEAN”. Successful completion of the project will shape a model from the use of Foresight technique to support sustainable development throughout the ASEAN member states. The results of the project can be used to formulate a new set of insights about what may be possible by 2020 after the completion of the ASEAN Economic Community in 2015 in terms of stable, productive and innovative employment prospects in the emerging ASEAN economies.

The series of four workshops of the same title that will be organized from January – June 2013 in order to synthesize a science, technology, and innovation foresight policy-oriented scenarios report to incorporate insights from knowledge and expertise of key stakeholders,
partners, experts and ASEAN representatives from the governments, policy makers, academics, and private sectors in the regional workshops to develop implications for future development pathways and putting findings and recommendations into appropriate actions and implementations in the following three common and interrelated issues of:

2. Future of Water Policies, Strategies and Actions
3. Future of Food Policies, Strategies and Actions

The recommended Energy-Water-Food policy and possible strategies and actions will include the issues of security, production, resource usage and management, relevant and appropriate technology foresight, inclusive STI with focus on bottom of the pyramid, relations and impacts to the environment, local communities and ecological and economic development of ASEAN countries.

Expected Participants

The expected participants include experts from public and private organizations such as ministries, research institutes, academic institutes, universities, policy and planning divisions, legislation units, trade and industrial sectors representatives, working groups and committees, etc. that have knowledge, expertise and involve in the planning and management of energy, water and food in Indonesia on ASEAN context.

The workshop participants do not need to have prior knowledge regarding the foresight technique as the experts from the APEC Center for Technology Foresight will explain about methodology and procedures and therefore, provide guidance for the participants throughout the workshops.

The Expected Outcome of the Workshop

- Results and prospective foresight as inputs for the recommendations of policy, strategies and actions of Indonesia on ASEAN energy, water and food nexus issues.
- Brainstorming sessions and group discussions among the experts and sectoral representatives from the public and private organizations will lead to future networks and working groups in the issues of energy, water and food resource planning and management in ASEAN toward the ASEAN community 2015 and beyond.

Language: English

Dress code: Smart Casual
Day 1: Thursday, 1 April 2013

08.30 - 09.00  Registration

09.00 - 09.20  Welcoming and Opening Remarks
Assoc. Prof. Dr. Somchai Chatratana
Deputy Secretary General of the National Science Technology and Innovation Policy Office, Thailand
Dr. Richard Silbergliit
Chair of International Advisory Board, APEC Center for Technology Foresight
Prof. Dr. Hussein Avicena Akil
Director, Center for Science and Technology Development, Indonesian Institute of Sciences

09.20 - 09.45  Project Overview
Dr. Surachai Sathitkunarat
Executive Director of APEC Center for Technology Foresight

9.45 - 10.00  From ASEAN-Krabi Initiative to ASEAN Scenarios
Dr. Surachai Sathitkunarat
Executive Director of APEC Center for Technology Foresight

10.00 - 10.15  Coffee/Tea Break

10.15 - 11.45  Current Situations of Energy, Water, and Food in Indonesia on ASEAN Context and Panel discussion

- Food: Prof. Dr. Endang Sukara
  Senior Researcher (Former Deputy Chairman of LIPI), Center for Biotechnology Research, Indonesian Institute of Sciences

- Energy: Dr. Ir. Arnold Soetrisnanto
  Member of National Research Council, Energy Commission, Vise Chairman of Nuclear Energy Society, Deputy Head of Energy Division, Indonesia Engineers Society, Senior Advisor, PT. Medco Power Indonesia. Food Situation
• Water: Prof. Dr. Jan Sopaheluuwakan
  Senior Researcher (Former Deputy Chairman of LIPI), Center for Geotechnology Research, Indonesian Institute of Sciences
  
  Moderated by Dr. Richard Silbergliit

11.45 - 13.00  Lunch

13.00 - 13.45  Tools for Technology Foresight
• Technology Foresight Framework based on needs, technology applications, drivers, barriers, and capacity development
  Dr. Richard Silbergliit
  Chair of International Advisory Board, APEC Center for Technology Foresight
• Foresight Diamond
  Prof. Ron Jonhston
  Executive Director, Australian Centre for Innovation and International Competitiveness (ACIIC), Australia
• Scenario Planning
  Adj. Prof. John Edward Smith
  Telfer School of Management at the University of Ottawa, Canada

13.45 - 14.00  Coffee/Tea Break

14.00 - 17.00  Scenarios Building for Energy, Water and Food in Indonesia on ASEAN context
• Discussion Group 1: Energy
  Facilitator: Dr. Richard Silbergliit
• Discussion Group 2: Water
  Facilitator: Prof. Ron Jonhston
• Discussion Group 3: Food
  Facilitator: Adj. Prof. John Edward Smith

18.00 - 21.00  Networking Dinner
Day 2: Friday, 2 April 2013

09.00 - 10.30  Scenarios Building for Energy, Water and Food in Indonesia on ASEAN Context and Policy Recommendations

- Discussion Group1: Energy
  Facilitator: Dr. Richard Silberglit
- Discussion Group2: Water
  Facilitator: Prof. Ron Jonhston
- Discussion Group3: Food
  Facilitator: Adj. Prof. John Edward Smith

10.30 - 10.45  Coffee/Tea Break

10.45 - 12.00  Group Presentations and Discussions

12.00 - 12.15  Impact Analysis

Adj. Prof. John Edward Smith
Telfer School of Management at the University of Ottawa, Canada

12.15 - 12.30  Closing Remarks

Dr. Richard Silberglit
Chair of International Advisory Board, APEC Center for Technology Foresight

12.30 - 14.00  Lunch