

## Registration

08:30-09:00

## Welcome Speech

09:00-09:15

**Kazuhiko Takeuchi**

Director, IR3S, University of Tokyo, Japan  
Senior Vice Rector, United Nations University  
*Transdisciplinary Approaches for Building a Sustainable and Resilient Society*

## Guest Speech

09:15-09:30

**I Nyoman Suprpta Winaya**

Udayana University, Republic of Indonesia  
*The Potential of Biogas Energy from Tropical Organic Wastes and the Improvement of Environmental Situation for Urban Citizen*

## Keynote Speech

09:30-09:50

**H.E. Ir. Arief Yuwono MA**

Deputy Minister, MOEF, Republic of Indonesia  
*The Role of Scientists in Strengthening the Efforts toward Low Carbon Society*

09:50-10:05 ———— Tea break/Group Photo

10:05-10:25

**Koichiro Takano**

Former Mayor of Sado Island, Japan  
*Energy & Nature: Investigating Sustainable Energy Sources in Island*

10:25-10:45

**Akimasa Sumi**

President, NIES, Japan  
*Research Plan of NIES to Low-Carbon Society*

10:45-11:05

**C. Visvanathan**

Dean, AIT, Thailand  
*Nanotechnology Application in Wastewater Treatment: The Road Ahead*

## Project Updates/Agenda

11:05-11:25

**Kensuke Fukushi**

IR3S, University of Tokyo, Japan  
*Updates of 3E Nexus Initiatives*

## Session 1-1

## Implementation of NFPs

Chair: Mai Trong Nhuan

11:30-12:30

**Tjandra Setiadi**, Indonesia  
*3E Nexus Network*

**Mafizur Rahman**, Bangladesh  
*Needs, Targets and Opportunities for Green Technology in Bangladesh*

**Tsogtbaatar Jamsran**, Mongolia  
*Challenges and opportunities for the development of 3E Nexus in Mongolia*

12:30-13:30 ———— Lunch Break

## Session 1-2

## Implementation of NFPs

Chair: Tjandra Setiadi

13:30-14:10

**Mai Trong Nhuan**, Vietnam  
*Opportunities and challenges for joint crediting mechanism projects for development of low-carbon society in Vietnam*

**Oloth Sengtaheuanghoung**, Laos PDR  
*Joint Crediting Mechanism towards Sustainable Low-Carbon Society Development in Laos*

Session 2  
Environment

Chair: Maria Antonia N. Tanchuling

14:15-15:35

**M N Murty**, India  
*Fiscal Instruments and Environmental Policy Reforms in India*

**Hul Siengheng**, Cambodia  
*Regeneration process analysis of the resin HAIX used for Arsenic affected community in Cambodia*

**Joni Hermana**, Indonesia  
*Estimation Methods for Carbon Emission Based on Data Availability on the Specific Regency or City in the Developing Countries*

15:35-15:55 ———— Tea Break

## Session 3

## Environment

Chair: M N Murty

15:55-16:35

**Nguyen Xuan Hai**, Vietnam  
*Climate change impact assessment on the soil salinization process of agricultural land in Tien Hai district, Thai Binh province.*

**Maria Antonia N. Tanchuling**, Philippines  
*Removal of Heavy Metals from Small Scale Gold Mining Wastewater Using On-site Copept Filter Bed System*

## Session 4

## Energy

Chair: Retno Gumilang Dewi

16:35-16:55

**Krishna Kumar Shrestha**, Nepal  
*Sustainable Management of Bio-energy for Improving Livelihoods of Disadvantaged Communities in Nepal*

**Dawan Wiwattanadate**, Thailand  
*VA/VM for Energy Conservation*

18:30- ———— Dinner



# PROGRAM AGENDA

## SECOND INTERNATIONAL WORKSHOP ENERGY, ENVIRONMENT AND ECOSYSTEMS (3E) NEXUS INITIATIVE FOR SUSTAINABLE DEVELOPMENT IN ASIAN COUNTRIES

Venue: Conference Room A  
Ramada Bintang Bali Resort  
Bali, Denpasar, Indonesia

Dress Code: Casual



## DAY 2 27th February 2015

MC: Mohan Geetha

### Session 5 Energy

Chair: Tsogtbaatar Jamsran

- 08:30-09:50
- Ijaz Hossain**, Bangladesh  
*Low Carbon Efforts in Bangladesh*
- Datin Dr Zuriati Zakaria**, Malaysia  
*Production and purification of biodiesel using ion exchange resins: A new strategy for cleaner biodiesel*
- K Narayanan**, India  
*Policy Challenges in linking Energy with Climate Change*
- Retno Gumilang Dewi**, Indonesia  
*End-Use Model for Indonesia Low-Carbon Development Paths of Energy Sector*

09:50-10:10 ————— Tea Break

### Session 6 Energy

Chair: Ijaz Hossain

- 10:10-11:30
- Tri Ratna Bajracharya**, Nepal  
*Energy Engineering Education, Research and Development at Institute of Engineering, Tribhuvan University in Nepal*
- Nguyen Phuoc Dan**, Vietnam  
*Household-scale application of SEWERPLUS technology for energy production using co-anaerobic digestion of organic solid waste and domestic wastewater concentrated by UF membrane in Ho Chi Minh City, Vietnam*
- Zuhair S Khan**, Pakistan  
*Enhancing the efficiency of energy generation by advanced materials technologies with an ultimate agenda of GHG mitigation*
- Rinaldy Dalimi**, Indonesia  
*National Energy Policy of Indonesia*

11:30-13:30 ————— Lunch Break/Prayer

### Panel Discussion

Chair: Alexandros Gasparatos

13:30-14:20

### Closing Remarks

- 14:20-14:30
- Kensuke Fukushi**  
IR3S, University of Tokyo, Japan



The Integrated Research System for Sustainability Science (IR3S) is a research network created in 2005 with the aim of serving as a global research and educational platform for sustainability science. IR3S will promote integration and cooperation among diverse academic fields and across geographic and national borders with a particular focus on developing and enhancing top-flight academic programs in sustainability science.



The 3E nexus project has been initiated by the Integrated Research System for Sustainability Science (IR3S), University of Tokyo with the vision of enhancing multinational research collaborations on low carbon development in Asia-Pacific countries. The project targets mainly on capacity development activities to promote Joint Crediting Mechanism (JCM) through the establishment of networks in partner countries such as organizing meetings, workshops and trainings on technologies and evaluation methods of sustainable low-carbon projects both at government and private sectors.

More information at;  
<http://www.ir3s.u-tokyo.ac.jp/3e-nexus>

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