



ASEAN Innovation Roadmap & Bioeconomy Forum in Conjunction with GBS 2020

16 – 20 November 2020 Shangri-La Hotel, Bangkok



Last updated 13 November 2020

- Morning Session Program -

Plenary Session: ASEAN Bioeconomy Policy Sharing & Bioeconomy Network

Date: 18 November 2020

Time: 09:00 am. - 12:00 pm.

Room: Ballroom 1

09:00 am. - 09:15 am. **Session Remark**

By **Dr. Kitipong Promwong**

President of Office of National Higher Education Science Research and Innovation Policy Council (NXPO), Thailand

Bioeconomy Direction & Policy Sharing in ASEAN Countries

Speakers:

09:15 am. - 09:45 am. **Dr. Kitipong Promwong**

President of Office of National Higher Education Science Research and Innovation Policy Council (NXPO), Thailand

09:45 am. - 10:15 am. **Assoc. Prof. Dr. Matthew Chang**

Director of the Synthetic Biology for Clinical and Technological Innovation National University of Singapore (NUS), Singapore

10:15 am. - 10:45 am. **Prof. Emeritus Dr. Rhodora Azanza**

President of the National Academy of Science and Technology (NAST), the Philippines

10:45 am. - 11:15 am. **Dr. Nani Hendiarti**

Deputy of Environment & Forestry Coordination of the Coordinating Ministry for Maritime Affairs and Investment of Indonesia, Indonesia

11:15 am. - 11:45 am. **Dr. Mahaletchumy Arujanan**

Global Coordinator of the International Service for the Acquisition of Agri-biotech Applications (ISAAA) and Executive Director of Malaysian Biotechnology Information Centre (MABIC), Malaysia

11:45 am. - 12:00 pm. Q & A

Moderator: Dr. Kanchana Wanichkorn

Vice President,

The Office of National Higher Education Science Research and Innovation Policy Council (NXPO), Thailand



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- Afternoon Session Program -

Opening Ceremony

Date: 18 November 2020

Time: 01:00 pm. - 02:00 pm.

Room: Ballroom 1

Briefing of the Conference

By **Dr. Narong Sirilertworakul,**

President

National Science and Technology Development Agency (NSTDA), Thailand

Message from GBS2020

By **Prof. Joachim von Braun**

International Advisory Council of GBS2020

Center for Development Research (ZEF), University of Bonn, Germany

Opening Remark & Political Address: Insights from 10 Years of Bioeconomy Strategy Development & Transition Management

By **Prof. Dr. Anek Laothamatas**

Minister

Ministry of Higher Education, Science, Research and Innovation (MHESI), Thailand



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- Afternoon Session Program -

NSTDA - JÜLICH Annual Workshop on Bioeconomy Research (Invitation Only)

Date: 18 November 2020

Time: 02:30 pm. - 05:30 pm.

Room: Ballroom 2

02:30 pm. - 03:00 pm.

Theme 1: Precision, Smart and Digital Agriculture

BIOTEC: Plant Factory on Study of Morphological, Physiological and Biochemical Responses of High Value Crops to Manipulated Environmental Conditions in Plant Factory

By Dr. Kriengkrai Mosaleeyanon,
Dr. Praderm Wanichananan,
Dr. Kanokwan Romyanon
Dr. Panita Chutimanukul

JÜLICH: High-Resolution Methods for Exploring Plant Water Use Behaviour in Response to Environmental Conditions

By Dr. Nathalie Wuyts

03:00 pm. - 03:30 pm.

Theme 2: Phenotyping Platform and Automation Development

BIOTEC: Capacity Building of Plant Phenomics for Investigation of Plant Responses to Micro-environments

By Dr. Suriyan Cha-um (BIOTEC)
Dr. Teera Phatrapornnant (NECTEC)

JÜLICH: Field Phenotyping – Non-invasive Quantification of Plant Traits in Changing Environments

By Dr. Onno Muller

03:30 pm. - 04:00 pm.

Theme 3: Enabling Technology Development

NECTEC: Enabling Technology for Non-invasive Seed Phenotyping and Quality Evaluation

By Mr. Panintorn Prempre (NECTEC)

JÜLICH: Automated Phenotyping of Individual Seeds: Multi-Size and Multi-Species

By Dr. Robert Koller

04:00 pm. - 05:00 pm.

Theme 4: Value Added Products and a Sustainable Bioeconomy

JÜLICH: Fertilizer Depended Lignocellulose Composition and Recalcitrance Towards Processing”

By Dr. Holger Klose

BIOTEC: Bioproducts from Cyanobacteria and Microalga (Tentative)

By Dr. Sukunya Oaew



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NANOTEC: Solution-base Coating for PC to Improve Scratch Resistance
and Retain its Transparency

By Dr. Pisit Kumnorkaew

MTEC: Multifunctional Greenhouse Film for Tropical Climates

By Dr. Atitsa Petchsuk

05:00 pm. - 05:30 pm.

Wrap up Possible Collaboration of Each Theme and Prepare the Summary
for the Steering Committee Meeting on 25 November 2020



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- Afternoon Session Program -

ASEAN Sustainable Consumption and Production (SCP) in Promoting BCG Economy

Date: 18 November 2020

Time: 02:00 pm. - 04:30 pm.

Room: Ballroom 3

Organized by: National Science and Technology Development Agency (NSTDA)

Asia Pacific Roundtable on Sustainable Consumption and Production (APRSCP)

ASEAN Centre for Sustainable Development Studies and Dialogue (ACSDSD)

Thai Sustainable Consumption and Production Network (Thai SCP.network)

Speakers:

02:00 pm. – 02:20 pm.

Promotion of SCP and BCG Economy in Asia and the Pacific

By **Mushtaq Memon**

United Nations Environment Programme (UN Environment)

02:20 pm. – 02:40 pm.

Promotion of SCP and BCG Economy in ASEAN

By **Nattavud Pimpa**

ASEAN Centre for Sustainable Development Studies and Dialogue (ACSDSD)

02:40 pm. – 03:00 pm.

SCP Framework for ASEAN

By **Hari Ragavan**

Asia Pacific Roundtable on Sustainable Consumption and Production (APRSCP)

03:00 pm. – 03:20 pm.

Networking Break

03:20 pm. – 04:30 pm.

Panel Discussion: Future and Benefit of SCP in Promoting ASEAN BCG Economy

Moderator: **Prof. Thumrongrut Mungcharoen**

National Science and Technology Development Agency (NSTDA), Thailand and Thai Sustainable Consumption and Production Network (Thai SCP.network)

Panelists: 1. Mushtaq Memon (UN environment)

2. Nattavud Pimpa (ACSDSD)

3. Chaiyod Bunyagidj (APRSCP)