



Last updated 30 November 2020

- Morning Session Program -

**Plenary Session: Business and Investment Opportunities of
ASEAN Bioeconomy (Panel Discussion)**

Date: 17 November 2020

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

Room: Ballroom 2

Thailand is a country rich in natural bioresources, i.e. high biodiversity and a wide variety of agricultural products. Bioeconomy becomes of utmost importance as the country is driven towards Thailand 4.0 strategy where value-based investments are first prioritized. To achieve the ultimate goal, Thailand has announced a special economic zone called Eastern Economic Corridor (EEC) in which financial measures and incentives are put in place to attract businesses and investments. The session will offer insight information on the investment perspective for Thailand bioeconomy as well as innovation ecosystem and infrastructures prepared for innovation-driven businesses. Besides, experiences from private sectors regarding bio-based industry in Thailand will be shared in this session.

Speakers:

09:00 am. - 09:15 am. **BOI Investment Supports and Measures for Bio-based Industry in Thailand**

By **Ms. Duangjai Asawachintachit**
Secretary General
Board of Investment (BOI), Thailand

09:15 am. - 09:30 am. **EEC: Corridor to Thailand's Investment**

By **Dr. Luxmon Attapich**
Deputy Secretary General
Investment and International Affairs, The Eastern Economic Corridor
Office of Thailand (EEC Office), Thailand

09:30 am. - 09:40 am. **EECi BIOPOLIS: A Translational Research Platform Supporting Bio-based Industry in EEC**

By **Dr. Janekrishna Kanatharana**
Executive Director of Eastern Economic Corridor of Innovation (EECi),
NSTDA, Thailand



ASEAN Innovation Roadmap & Bioeconomy Forum in Conjunction with GBS 2020

16 – 20 November 2020 Shangri-La Hotel, Bangkok



Last updated 30 November 2020

- 09:40 am. - 09:50 am. **Research and Innovation of Biotechnology in Thailand**
By **Dr. Wonnop Visessanguan**
Executive Director of BIOTEC
National Center for Genetic Engineering and Biotechnology (BIOTEC),
Thailand
- 09:50 am. - 10:05 am. **SCG's Vision to Move Forward to BCG Economy**
By **Dr. Suracha Udomsak**
Vice President
Chemicals Business and CTO-Innovation and Technology, Chemicals
Business, Siam Cement Group Co.,Ltd. (SCG), Thailand
- 10:05 am. - 10:20 am. **Toray's Perspectives: Thailand as a Hub of Bioeconomy**
By **Dr. Tatsuya Matsuno**
Director
Research & Development, Toray Industries (Thailand) Co., Ltd., Thailand
- 10:20 am. - 10:35 am. **Break**
- 10:35 am. - 11:30 am. **Panel discussion on "Business and Investment Opportunities of ASEAN Bioeconomy"**
Moderator: Dr. Pipat Weerathaworn
Bio-based Industry collaboration, Eastern Economic
Corridor of Innovation (EECi), Thailand
- Panelists:**
1. Ms. Duangjai Asawachintachit
 2. Dr. Luxmon Attapich
 3. Dr. Janekrishna Kanatharana
 4. Dr. Wonnop Visessanguan
 5. Dr. Suracha Udomsak
 6. Dr. Tatsuya Matsuno
- 11:30 am. - 12:00 pm. **Q&A Session**



ASEAN Innovation Roadmap & Bioeconomy Forum in Conjunction with GBS 2020

16 – 20 November 2020 Shangri-La Hotel, Bangkok



Last updated 30 November 2020

- Afternoon Session Program -

NSTDA - JÜLICH Annual Seminar on Bioeconomy Research

Date: 17 November 2020

Time: 01:00 pm. - 04:30 pm.

Room: Ballroom 2

02:30 pm. - 02:45 pm.

Welcome and Opening Remarks

JÜLICH Research interest update for collaboration

By Prof. Dr. Ulrich Schurr

IBG-2, Forschungszentrum JÜLICH, Germany

02:45 pm. - 03:00 pm.

NSTDA Research Interest Update for Collaboration

By Prof. Prasit Palittapongarnpim, M.D.

National Science and Technology Development Agency
(NSTDA), Thailand

03:00 pm. - 04:00 pm.

Special Seminar on Thai - German Bioeconomy

- **Phenotyping in controlled environment at IBG-2 Plant Sciences**

By Dr. Fabio Fiorani

IBG-2, Forschungszentrum JÜLICH, Germany

- **Phenotyping Platform at BIOTEC**

By Dr. Theerayut Toojinda (TBC)

Research and Development Bioscience and Biotechnology for
Agriculture and Integrative Crop Biotechnology and
Management Research Group, Thailand

Update on NSTDA - JÜLICH Collaboration

(Research Projects, Joint Office, PhD Scholarship and Activities)

1. Ongoing Projects

04:00 pm. - 04:15 pm.

A Comparative Study of the Effect of Nonwoven Pot Bag on the Roots Structure and Plant Growth

By Dr. Natthaphop Suwannamek

National Metal and Materials Technology Center (MTEC),
Thailand



ASEAN Innovation Roadmap & Bioeconomy Forum in Conjunction with GBS 2020

16 – 20 November 2020 Shangri-La Hotel, Bangkok



Last updated 30 November 2020

04:15 pm. - 04:30 pm. **Utilization of Genetic and Phenotypic Variation of Storage Root Development of Cassava (*Manihot Esculenta Crantz.*) to Improve an Important Bio-economy Crop [CASSAVASTORE]**

By **Dr. Tobias Wojciechowski**
IBG-2, Forschungszentrum JÜLICH, Germany

04:30 pm. - 04:45 pm. **Strengthening Agriculture 4.0 Technology in a Thailand-Myanmar-Germany Collaboration: Development of a Plant-based Irrigation Platform [IRRIGATION 4.0]**

By **Dr. Teera Phatrapornnant**
National Electronics and Computer Technology Center (NECTEC), Thailand

04:45 pm. - 05:00 pm. **Water Efficiency and Yield Stability through Model Based Irrigation (DIRECTION)**

By **Dr. Johannes Auke Postma**
IBG-2, Forschungszentrum JÜLICH, Germany

2. Project Submitted Through

05:00 pm. - 05:15 pm. **Bioeconomy International Call 2020
Unlocking the Potential of Dual Purpose Crop: Utilization of Pineapple Leaf Fibres for Bio-based Textiles [PiñaFibre]**

By **Dr. Tobias Wojciechowski**
IBG-2, Forschungszentrum JÜLICH, Germany

3. Proposal Development

05:15 pm. - 05:30 pm. **SMART Fertilizer Project**

By **Dr. Tobias Wojciechowski**
IBG-2, Forschungszentrum JÜLICH, Germany

Dr. Kritapas Laohhasurayotin
Thailand National Nanotechnology Center (NANOTEC), Thailand

4. Collaborating Activities

05:30 pm. - 05:45 pm. **4.1 Joint Lab Office and Activities**

4.2 NSTDA- JÜLICH Mobility Programme:

- PhD Scholarship Activities
- NSTDA Visiting Professor

By **Miss Tanapon Glingaysorn**
IBG-2, Forschungszentrum JÜLICH, Germany



ASEAN Innovation Roadmap & Bioeconomy Forum in Conjunction with GBS 2020

16 – 20 November 2020 Shangri-La Hotel, Bangkok



Last updated 30 November 2020

- Afternoon Session Program -

Company Profile

Date: 17 November 2020

Time: 01:00 pm. - 05:00 pm.

Room: Ballroom 3

- 01.00 pm. - 01.30 pm. **How to Get Venture Capital Funding?**
By **Dr. Tortrakul Wattanavorakijkul**
Acting CEO
InnoSpace (Thailand) Co.,Ltd., Thailand
- 01:30 pm. - 01:45 pm. **Natural Plant Vaccine for Crop Protection by Physical and Biosynthesis Barriers with a Unique Delivery Mechanism**
By **Dr. Karsidete Teerantayartarn**
Chief Innovation Officer and Co-Founder
Green Innovative Biotechnology Co., Ltd. (GIB-ARDC), Thailand
- 01:45 pm. - 02:00 pm. **The Stronger Side of Green**
By **Dr. Watson Ariyaphuttarat**
Founder and CEO
KEEEN LIMITED, Thailand
- 02:00 pm. - 02:15 pm. **Green Recycle of Waste**
By **Dr. Chopetch Chaiyawattanamongkol**
CEO
Fang Thai Factory, Thailand
- 02:15 pm. - 02:30 pm. **Value Addition on Thai Functional Ingredients and Extraction**
By **Mr. Wichien Cherdchutrakuntong**
Founder & CEO
Paradorn Innosys Co., Ltd., Thailand
- 02:30 pm. - 02:45 pm. **Coconut from Grand Mom Becomes \$10M**
By **Mr. Nutthanai Ninek**
Business Development Manager
TROPICANA OIL CO., LTD., Thailand



ASEAN Innovation Roadmap & Bioeconomy Forum in Conjunction with GBS 2020

16 – 20 November 2020 Shangri-La Hotel, Bangkok



Last updated 30 November 2020

- 02:45 pm. - 03:00 pm. **Silky Sweet Economy**
By **Mr. Wish Pintavirooj**
Managing Director Whole Green, Marketing Consultant
Sugavia Co., Ltd., Thailand
- 03:00 pm. - 03:15 pm. **Egg: from Commodity to Bioeconomy Concept**
By **Mr. Pramote Chotikastit**
Assistant General Manager
OVO Foodtech Co., Ltd. , Thailand
- 03:15 pm. - 03:30 pm. **Nakhon Sawan Biocomplex (NBC)**
By **Mr. Nathapun Siriviriyakul**
Deputy Chief Executive Officer
GGC KTIS Bio Industrial Co., Ltd. (GKBI), Thailand
- 03:30 pm. - 03:45 pm. **Starch-based Plastic as a Sustainable Material in a Circular Economy**
By **Dr. Tuangporn Tukomane**
Senior Regional Sales Manager
SMS Group, Thailand
- 03:45 pm. - 04:00 pm. **CPF Food Innovation Through Healthier Choices**
By **Ms. Onanuch Tuppasarndumrong**
Vice President, CPF Research and Development Center
Charoen Pokphand Foods Public Company Limited (CPF), Thailand
- 04:00 pm. - 04:15 pm. **Sustainability and Innovation from Farm to Shelf**
By **Ms. Hataikan Kamolsirisakul**
Group Strategy and Group Innovation Director, Chief of Staff
Thai Wah Public Company Limited, Thailand
- 04:15 pm. - 04:30 pm. **Mastering Protein**
By **Mr. Keisuke Morita**
Director (Thailand)
Spiber (Thailand) Ltd., Thailand
- 04:30 pm. - 04:45 pm. **Saving the World with Plants and Algae**
By **Mr. Amane Kimura**
Chief Operating Officer
Algal Bio Co., Ltd., Japan
- 04:45 pm. - 05:00 pm. **Cultivating Earth with Biotechnology**
By **Dr. Nur-Ezan Mohamed**
Business and Technology Manager
Chitose Bio Evolution Pte. Ltd., Singapore