

# 13<sup>th</sup> BioPlastics Market

12 - 13 March 2019 | Bangkok, Thailand

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Centre for  
Management  
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into our 36<sup>th</sup> year

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## Day 1 - 12 Mar 2019, Tuesday

- 08:00 Registration
- 09:00 Chairman's Introduction  
Stefano Facco  
New Business Development Director  
**Novamont S.p.A.**
- 09:10 **PROSPECT OF BIOPLASTICS INDUSTRY IN THE CIRCULAR ECONOMY**
- Global and regional outlook
  - Rising crude oil prices & its impact on bioplastics industry
  - Enhancing the bioplastics supply chain towards a more circular economy
  - Challenges & opportunities
  - Bioplastics investment strategy & projects updates
- Anthony Schiavo, Analyst  
**Lux Research - APAC Pte Ltd**
- 09:40 **BIOPLASTIC: CURRENT TRENDS & FUTURE PROSPECTS IN THAILAND**
- Bridging the supply & demand gap for bioplastics
  - Sustainable agricultural feedstock supply
  - Investment opportunities available
- Kittiphong Limsuwananrot, President  
**Thai Bioplastics Industry Association (TBIA)**
- 10:10 Discussion followed by Coffee
- 10:40 **DESIGNING HIGH PERFORMANCE MATERIALS FOR THE CIRCULAR ECONOMY**
- Progress, challenges & market opportunities
  - New innovations in single-use

- applications that enhance diversion of food waste
- Advancements in biomaterials for durable and emerging applications like 3D printing
- Steve Davies  
Vice President - Performance Packaging  
**NatureWorks LLC (HQ)**
- 11:10 **COMMERCIALY SHIFTING TO RENEWABLE, RECYCLABLE, & REUSABLE MATERIALS THAT SUPPORT THE CIRCULAR ECONOMY**
- IKEA direction Now-2025
  - Sustainable material direction
  - Examples of renewable or recyclable products
- Cedric Dever  
Bioplastics Materials Developer  
**IKEA of Sweden AB**
- 11:40 **CHINA'S GREEN REVOLUTION: DRIVING THE FUTURE OF BIOPLASTICS MARKET**
- Updates on bioplastics growth in China
  - Upcoming trend forecasts & emerging end-user applications
  - Creating a sustainable supply chain for bioplastics
  - Composting & recycling developments for bioplastics
- Yun Xuan Weng, Secretary-General  
**China Plastics Processing Industry Association**
- 12:10 Discussion followed by Networking Lunch

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- 13:25 Chairman's Introduction
- 13:30 **PANEL DISCUSSION: SUSTAINABLE FEEDSTOCK RESOURCES & EFFECTIVE BIOBASED SUPPLY CHAIN**
- Ensuring feedstock availability for consistent production
  - Potential renewable resources
  - Strategies to bridge the supply/ demand gap
- Moderator:**  
Steve Davies, Vice President  
- Performance Packaging  
**NatureWorks LLC (HQ)**
- Panelists:**  
Dr. Klanarong Sriroth, Director / Head of Innovation & Research Development Institute  
**MitrPhol Sugar Co. Ltd.**
- Dr. Asmuwahyu Saptoraharjo  
Technical Advisor  
**Enviplast - PT Intera Lestari Polimer**
- Ho Ren Hua, CEO  
**Thai Wah Public Co. Ltd.**
- 14:00 **PLAN 'A' 2025: LEVERAGING BIO-BASED MATERIALS IN DELIVERING A SUSTAINABLE RETAIL ENVIRONMENT**
- What's in the plan?
  - Future packaging strategies - biomaterial?
  - Challenges & opportunities
- Toiny Pang  
Technical Sustainability Manager  
**Marks & Spencer**
- 14:30 **END-OF-LIFE OPTIONS OF BIOPLASTICS: REPLACEMENT OR RECYCLE?**
- Incorporating bioplastics into existing waste management & recycling system

- Compostability & renewability, functionality & carbon origin
  - What are the emerging alternatives?
  - Legislative Frameworks
  - Challenges & ways to overcome
- Stefano Facco  
New Business Development Director  
**Novamont S.p.A.**
- 15:00 Discussion followed by Tea
- 15:30 **EMERGING TREND: BIO-BASED ENGINEERING PLASTICS IN AUTOMOTIVE PARTS**
- Leading the industry by doing the right thing
  - Efforts in reducing the use of petroleum resources and CO2 emissions
  - What are the technical challenges and ways to overcome them?
  - Key success factors and future directions
- 16:00 **BIORESORBABLE GLASS FIBER ENABLING HIGH LOAD BEARING BIOPLASTIC MATERIALS FOR IMPLANTS**
- Tomi Kangas  
Sales and Marketing Director  
**Arctic Biomaterials Oy Ltd**
- 16:30 **EXPANDING THE COMMERCIAL FOOTPRINT & SUSTAINABILITY IMPACT OF BIOPLASTICS**
- The broadening applications of Biotechnology for polymers & chemicals
  - Proven examples that achieve competitive economics & enable better everyday products
  - Accelerating the deployment of bioplastics supported by major consumer brands

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- Technologies as a key enabler to new business model opportunities
- Cameron Hibbert  
Vice President, Licensing  
**Genomatica**

17:00 End of Day 1

## Day 2 - 13 Mar 2019, Wednesday

09:00 Chairman's Introduction

### 09:10 BIOPLASTIC APPLICATIONS IN THAILAND'S AGRICULTURE SECTOR

- PLA application in Thailand: Truly local circular economy
- Bioplastics in agriculture applications: Opportunities
- "Bioplastics Hub of Asia" - Government initiatives, funding and assistance schemes

Nopadol Suanprasert, President  
**Global Biopolymers Co Ltd**

### 09:40 BIOPLASTIC MARKET OUTLOOK IN JAPAN

- Regulatory framework and social bio-plastic situation updates
- R&D and technology innovation capabilities
- Emerging markets and applications

Yoshihiro Fujimori  
Head of Sustainable Resources  
**Mitsubishi Chemical Corporation**

### 10:10 MARKET UPDATES OF BIOPLASTICS INDUSTRY IN TAIWAN

Huang Chien-Ming, CEO & Founder  
**Minima Technology**

10:40 Discussion followed by Coffee

### 11:10 BIODEGRADATION OF PLASTICS: STANDARDS MAY NOT REFLECT THE STATE OF THE ART

Roderick Davies  
Vice President Business Development  
**BiologiQ, Inc.**

### 11:40 INNOVATIONS IN PHA & MARKET PROSPECT

- Improving performance of PHA yield produced by activated sludge
- PHA Extraction methods from activated sludge vs. wet extraction
- Building circular value chains for possible applications

Etteke Wypkema, Innovation Manager  
**Brabantse Delta Water Board**

### 12:10 OPPORTUNITIES OF PEF IN THE BIOPLASTICS MARKET

- Advantages of PEF in the packaging and other industries
- PEF vs PET
- What are new innovative applications of PEF?

Erol Beyatli, Business Manager  
**Synvina CV**

12:40 Final Discussion followed by Networking Lunch

14:00 End of conference.

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## "Enhancing the Bioplastics Supply Chain Towards A More Circular Economy"

### KEY SESSIONS INCLUDE;

#### Brand Owners' Spotlight

- [IKEA] Commercially Shifting to Renewable, Recyclable, and Reusable Materials that Support the Circular Economy
- [Marks & Spencer] Plan 'A' 2025: Leveraging Bio-Based Materials in Delivering a Sustainable Retail Environment by Marks & Spencer

#### Country Spotlight

- China, Japan, Thailand, Taiwan, etc.

#### Material Innovations

- PLA, PHA, PEF, PHB, bio-PA
- Applications in sectors like 3D printing, medical, agriculture, packaging, etc.

#### Sustainable Feedstock

- Ensuring feedstock availability for consistent production & potential renewable resources

#### End-Of-Life Options

- Replacement or Recycle?

### FEATURING GLOBAL BRAND OWNERS & INDUSTRY LEADERS

- Cedric Dever, Bioplastics Materials Developer, **IKEA**
- Toiny Pang, Technical Sustainability Manager, **MARKS & SPENCER (M&S)**
- Karsten Vijke, Regional Commercial Manager SEA, **DSM ENGINEERING PLASTICS**
- Etteke Wypkema, Innovation Manager, **BRABANTSE DELTA WATER BOARD**
- Prof. Weng Yunxuan, Secretary General, Degradable Plastics Committee, **CHINA PLASTICS PROCESSING INDUSTRY ASSOCIATION, CHINA**
- Anthony Schiavo, Analyst **LUX RESEARCH APAC**

### BENCHMARK WITH BIOPLASTICS PRODUCERS & FEESTOCK SUPPLIERS

- Yoshihiro Fujimori  
Head of Sustainable Resources,  
**MITSUBISHI CHEMICALS**
- Steve Davies  
VP Performance Packaging,  
**NATUREWORKS LLC**
- Stefano Facco  
New Business Development Director,  
**NOVAMONT**
- Tomi Kangas  
Sales & Marketing Director,  
**ABM COMPOSITE**
- Nopadol Suanprasert, President,  
**GLOBAL BIOPOLYMERS**
- Dr. Chien-Ming Huang  
CEO & Founder,  
**MINIMA TECHNOLOGY**
- Erol Beyatli, Business Manager,  
**SYNVINA CV**
- Assoc. Prof. Klanarong Sriroth,  
Director, **MITR PHOL SUGAR**
- Kittiphong Limsuwanarot, President,  
**THAI BIOPLASTICS ASSOCIATION;**  
VP - Downstream Market  
Development  
**PTT GLOBAL CHEMICAL**
- Dr. Asmuwahyu Saptoraharjo,  
Technical Advisor, **ENVIPLAST**  
- **PT INTERA LESTARI POLIMER**
- Ho Ren Hua, CEO  
**THAI WAH PUBLIC CO. LTD**
- Roderick Davies,  
VP Business Development,  
**BIOLOGIQ**