Koninkrijk der Nederlanden

INVITATION TO SEMINAR

The Bioeconomy in the Netherlands

- Valorization from biomass to high-end products -

Date : July, 2018

Embassy of the Kingdom of the Netherlands

L.S.

The Embassy of the Kingdom of the Netherlands in Tokyo organizes a seminar on **Wednesday 5 September 2018**, on Dutch experience and perspectives for the Bioeconomy and valorization from biomass to high-end products. The aim of the event is to share information and experience in the field of Bioeconomy, and to stimulate bilateral collaboration for innovation and development.

Biomass fulfills a pivotal role in reduction of GHG emissions worldwide and contributes to a future proof circular economy at the same time. The Netherlands has been a front runner in the development and implementation of biomass, from feedstock supply and processing to energy, biofuels but also high-end products in sectors such as pharmaceutics & cosmetics, food & feed, chemistry & materials. There is close and successful cooperation between power companies, knowledge institutes and technology suppliers.

We wish to share status and ambitions in the Netherlands for the biobased economy, its background and drivers. Who are the most important Dutch actors in government, industry and knowledge institutes? What is the current policy and which (political) dialogues are discussing the future? What are the economic stakes and challenges, and what (technological) innovations are taking place?

The speakers of this seminar are Kees Kwant, Netherlands Representative in IEA Taskforce Bioenergy, Prof. Martin Junginger of the University of Utrecht, Jaap Koppejan of Procede, Taizo Sano of SARA Inc., Maarten Herrebrugh of Blackwood Technology and Ken Kuriki DSM Japan. These organizations form a good cross section of the Netherlands landscape for the bioeconomy, and with SARA Inc. presents a good example of collaboration between the Netherlands and Japan. The event will conclude with a Q&A, and close with an informal gathering for a more personal discussion.

Sincerely,

Jan-Hein Chrisstoffels
Innovation Counsellor

Title : The Bioeconomy in the Netherlands
- Valorization from biomass to high-end products -

Date : Wednesday, 5 September 2018, 9:30-12:30

Venue : Deshima Lounge
Embassy of the Kingdom of the Netherlands
Address : 3-6-3 Shiba-Koen, Minato-ku, Tokyo

Language : English

Registration : via this link, deadline Monday 27 August
(max. 40 people, based on first come first serve)

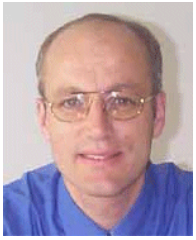
Information : Ms. Mariko Nakano (03-5776-5510)

Agenda:

(9:00	Venue open for registration)
9:30	Welcome by Netherlands Embassy
9:35	**Mr. Kees Kwant,** Netherlands Representative in IEA Taskforce Bioenergy *The Bioeconomy in the Netherlands*
9:50	**Prof. Martin Junginger**, University of Utrecht *Sustainable supply chains for the bioeconomy*
10:05	**Mr. Jaap Koppejan**, Procede *Biomass supplying the heating market in the Netherlands*
10:15	Break
10:30	**Mr. Taizo Sano**, SARA Inc. *Biomass power cogeneration in Japanese Horticulture*
10:45	**Mr. Maarten Herrebrugh**, Blackwood Technology *Application of torrefaction technologies for power plants*
11:00	**Dr. Ken Kuriki**, Director Innovation, DSM-Japan *Circular & Bio-based Economy*
11:15	Discussion
11:30	Informal gathering
12:30	Closure

Presenters

Kees Kwant, RVO



Kees Kwant is working at RVO, the Netherlands Enterprise Agency. He is program advisor and responsible for the coordination of the bioenergy projects. He is also active in the IEA Bioenergy Agreement as Netherlands Representative.

- About RVO

Netherlands Enterprise Agency (RVO.nl) encourages entrepreneurs in sustainable, agrarian, innovative and international business. It helps with grants, finding business partners, know-how and compliance with laws and regulations.
The aim is to improve opportunities for entrepreneurs and strengthen their position. Netherlands Enterprise Agency is part of the Ministry of Economic Affairs and Climate Policy and works at the instigation of ministries and the European Union. Some activities of the Commodities Boards are also included.
The Agency works in The Netherlands and abroad with governments, knowledge centres, international organisations and countless other partners.

Website and more information: https://english.rvo.nl

Prof. Martin Junginger, University of Utrecht

Martin Junginger (1976) is Full Professor at Energy & Resources (E&R) of the Copernicus Institute, Utrecht University, and leads the bioenergy cluster of the E&R group. He has a background in chemistry and environmental science, and joined the staff of E&R in 2001 as PhD student, doing extensive research on the technological development and associated cost reductions of several renewable energy technologies, including onshore and offshore wind farms, biomass CHP plants in Sweden and biogas plants in Denmark. After obtaining his PhD in May 2005, he has mainly been working Sustainable International Bioenergy Trade. Since 1.1. 2013, he is leader of IEA Bioenergy Task 40 on Sustainable International Bioenergy Trade (see www.bioenergytrade.org), in which topics like biomass sustainability assurance frameworks, bioenergy markets, logistic chains are investigated. He works amongst others on charting and projecting international trade in biomass and biofuels (with a special focus on wood pellets), and identifying limitations and opportunities for bioenergy trade. His expertise includes solid biomass logistic supply chains and GHG balances including forest carbon accounting.
Prof. Junginger was member of the Dutch Sustainable Biomass Commission, also known as the Corbey Commission (2013- 2016), and is member of the advisory board of the sustainable biomass partnership (SBP) (September 2015 - ongoing)

Website and more information:

Jaap Koppejan, Procede

Jaap Koppejan (M.Sc. Applied Physics) has been working on technological development and policy aspects of implementation of energy technologies for biomass and waste in both Asia and Europe since 1993. After having worked with TNO for 8 years, Jaap started his own R&D and consulting company on bioenergy, named Procede Biomass BV. In addition to IEA Bioenergy Task 32, Jaap is involved in the management of several other R&D projects on biomass combustion and cofiring.

- About Procede

Procede supplies economically sound chemical engineering solutions at a commercial base. Activities of Procede are aimed at cost reduction, increasing the efficiency of conversion processes, improving product quality and/or decreasing the use of raw materials.

Website and more information: www.procede.nl

Mr. Taizo Sano, COO of SARA Inc.

After graduating from the Faculty of Agriculture, Kyoto Prefectural University, Taizo Sano started his career at Kagome Co., Ltd., the largest producer of tomato based products in Japan. After serving as President of Kagome USA, he directed Kagome's fresh tomato business at large-scale greenhouses since 1998, and became a managing executive officer in 2006. After retiring from Kagome in 2016, he took a lead in starting up the business of SARA Inc.

- About SARA

SARA's projects will be built in partnership with companies that are at the top of their respective fields whether they are in Japan or overseas — such as Van der Hoeven Horticultural Projects of the Netherlands and Takuma of Japan. The latter offers the most advanced technology and know-how in biomass power generation currently available in Japan while the former is a leader in agricultural technology.
Ultimately our goal is to expand beyond the framework of Japan and Asia. Now underway is a scheme called "Global Conference" in which the most advanced research results in this field will be shared with our partners in Europe, North America, and Australia.
Fresh, wholesome, sustainable food is a worldwide issue. That is why SARA's operations are guided by a global perspective. We are committed to pushing forward with technological innovation that will help move us to a healthier and more sustainable future. And it all begins with vegetables.

Website and more information: https://www.sarafarm.jp/en/

Maarten Herrebrugh, Blackwood Technology

Maarten Herrebrugh is CEO of Blackwood and in charge of technology development and sales & business development. He joined Blackwood's predecessor Topell Energy as Chief Operating Officer in 2009 and became its CEO in 2014. Before joining the biomass industry he was as interim-CEO of several Dutch companies. Earlier in his career he worked for Akzo Nobel and the Boston Consulting Group. Maarten holds a MSc degree in Aerospace engineering from Delft University of Technology and a MBA degree from MIT Sloan School of Management.

- About Blackwood Technology

Blackwood Technology is a Dutch cleantech company, focusing on the torrefaction of biomass. Blackwood's leading and award-winning torrefaction technology was proven at industrial scale in a demonstration plant in the Netherlands. Torrefied pellets produced by Blackwood's technology have been successfully co-fired in large scale European power plants as well as in smaller scale CHPs. Blackwood is planning a worldwide roll-out of its technology through a technology sales and licensing model. As part of this strategy, Blackwood has signed a partnership agreement with South African utility Eskom for the construction of torrefaction plants in the SADC region.

Website and more information: www.blackwood-technology.com

Dr. Ken Kuriki, DSM Japan

Ken Kuriki is a Director of Innovation at DSM Japan, and is leading three business clusters of DSM Innovation Center (DSM Advanced Solar, DSM Biomedical and DSM Bio-based Products and Services) and sustainability agenda in Japan. Earlier in his career he worked for GE Plastics and CABOT.
He obtained a PhD degree in materials science from Keio University, and worked for MIT as a postdoctoral associate.

- About Royal DSM

Royal DSM is a purpose-led global science-based company in Nutrition, Health and Sustainable Living. DSM is driving economic prosperity, environmental progress and social advances to create sustainable value for all stakeholders. DSM delivers innovative business solutions for human nutrition, animal nutrition, personal care and aroma, medical devices, green products and applications, and new mobility and connectivity. DSM and its associated companies deliver annual net sales of about €10 billion with approximately 23,000 employees. The company is listed on Euronext Amsterdam.

Website and more information:
https://www.dsm.com/corporate/home.html

Embassy of the Kingdom of the Netherlands 3-6-3 Shiba-koen, Minato-ku, Tokyo

7-min. walk from Kamiyacho St. (Subway Hibiya-line, Exit 3)
10-min. walk from Onarimon St. (Subway Mita-line, Exit A5)

- There is no parking space available at the Embassy.
- The entrance of the Embassy is in front of Shiba High School/next to waterworks building (NOT along Sakurada-dori and NOT next to Holland Hills Mori Tower).
- GPS Coordinates for navigation equipment: E139.44.57.00 N35.39.29.00
- Map Code 554897
- Please bring your passport or ID.

オランダ王国大使館 東京都港区芝公園3 丁目6 番3 号

地下鉄日比谷線 神谷町駅 3番出口　徒歩7分
都営三田線 御成門駅 A5番出口　徒歩10分

- 大使館敷地内に駐車場スペースはご用意しておりません。
- 大使館入り口は芝中高校向い、水道局隣です。
- （注：桜田通り沿い/オランダヒルズ森タワー側ではございません）
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