

BIOGAS LAB

WEBINAR SERIES



Biogas: The Next Wave

OUR SPEAKERS

WELCOME & INTRODUCTION

Harmen Dekker, EBA Director

15:35 – 16:25 **DRIVING FORWARD THE RESEARCH ON BIOGAS**

MODERATOR



Prof. Erik Meers,
*Gent University and
Executive Board
Member of EBA*

Prof. Erik Meers is associated to the Ghent University (Belgium) where he coordinates research in resource recovery. He is founder of the EU project cluster Biorefine Cluster Europe (www.biorefine.eu)

He also coordinated the Flemish biogas association, Biogas-E (www.biogas-e.be) from 2012-2016 and is currently board member in this local association representing Ghent University. In recent years, Erik Meers has supported EBA as chairman to the Scientific Advisory Council (SAC) and in that capacity organized the 2016 EBA conference in Ghent and supported the 2018 edition in Antwerp with research contributions. His main aim is to re-organize and increase the participation and involvement of research institutes into the activities of EBA to support the policy agenda and with the goal towards innovation-towards business implementation.



Dr. Alla Silkina,
Swansea University

Dr Alla Silkina is an algal biotechnologist with 20 years of international experience, and she has worked in the UK, France, Malaysia, Ukraine, Russia and Thailand. Her main expertise is in academic business interaction related to algal biotechnology, mass scale algal cultivation and algal physiology, algal biofouling, algal pigments and products development from algal biomass. She has published 20 papers in international peer review journals. She has an Honours Degree in Phycology & Biology from V.Z. Kharazin National Kharkov University in Ukraine (2002). Alla holds a PhD in Marine Biology from the University of Southern Brittany, France (2007), a postdoctoral fellow from the Institute of Marine Biotechnology at University Malaysia Terengganu, Malaysia (2008-2010).



Prof. Sandra Esteves,
University of South Wales

Prof. Sandra Esteves is a Professor in Bioprocess Technology for Resource Recovery (Energy & Materials) at the University of South Wales, directs the Wales Centre of Excellence for Anaerobic Digestion and has over 20 years' experience in industrial biotechnology R&D and full-scale deployment including anaerobic & aerobic for renewable gases, biochemicals and biopolymers production. Her research work focuses on bioprocesses design, monitoring & control strategies, microbial profiling/enrichment, value recovery from wastes to alkanes, hydrogen, carboxylic acids, nutrients, biopolymers & proteins, and interfaces between industrial biotechnology with food, industrial, energy, agricultural systems and the environment. Sandra has directed >£10M R&D projects and she has delivered collaborative R&D and technical services to over 200 companies. She is a member of the Scientific Advisory Council of the European Biogas Association.



Prof. Massimo Santarelli,
Politecnico of Turin

Prof. Massimo Santarelli, Mechanical Engineer, Ph.D. in Thermodynamics and Heat Transfer, Full Professor in Thermodynamics and Heat Transfer, Department of Energy, Politecnico di Torino. He is author of around 250 papers in international journals and conferences. His main research activity is linked to the topic of complex innovative systems (thermo-chemical and electro-chemical processes) applied to the energy sector. He is coordinator of the STEPS laboratory (Synergies of Thermo-chemical and Electro-chemical Power Systems) of Politecnico di Torino, and of the CO2 Circle Lab of Politecnico di Torino. Member of the Energy Center initiative of Politecnico di Torino. Coordinator of EU Projects SOFCOM (FCH1-JU Call 2010), DEMOSOFC (FCH2-JU Call 2014), REMOTE (FCH2-JU Call 2017). Partner in EU projects (BEST4Hy, SUBLIME, ICO2CHEM, COMSOS, TEACHY, ENFIELD, ENFICA-FC, BRISK II, SELECT-CD, Explore Energy, Virtual Hub, MARS-EV), Coordinator of several National Projects. He is member for Italy of ISO/TC 197 "Hydrogen Technologies" and of IEC-TC 105 "Fuel Cells".

16:25 – 17:30 DEPLOYING NEW TECHNOLOGY SOLUTIONS**MODERATOR**

Harmen Dekker,
Director of the EBA

Harmen Dekker has worked for almost 15 years within the sustainability sector and is devoted to the mitigation of climate change. He has built his career in the water and gas sector, where he has held different management positions. He joined the EBA after 5 years of service at DMT Environmental Technology. As manager for business development, he worked on the expansion of the biogas sector in new geographic regions. During those years, he also focused on the implementation of new techniques for valorising biogas, such as bio-LNG. These responsibilities included the analysis of future opportunities to produce bio-Methanol and bioplastics.



Håvard Wollan,
*CEO and co-founder at
Biokraft AS*

Håvard Wollan is CEO and co-founder of Biokraft AS, a leading producer of liquid biogas fuel (LBG) and part of Scandinavian Biogas Group. Håvard has worked as an executive, entrepreneur and advisor internationally for more than 25 years. He holds a MSc engineering degree in computer science from NTNU and a MBA degree from Heriot-Watt University. Håvard has also invested in and been instrumental in developing several other companies, in and outside of Norway.



Jutta Hakkarainen,
*Director, Strategy and
Business Development
Industrial Measurements,
Vaisala*

Jutta heads the Strategy and Business Development team of the Industrial Measurements Business Area at Vaisala.

With a dozen years at Vaisala, she is responsible for identifying strategic trends and discovering customers' needs for high quality measurements.

Energized by the cooperation with biogas experts, the forerunners sensing a sustainable future, Jutta is passionate about renewable energy and realizing its immense potential.



Iain Cooper,
*Chief Executive Officer
at SeekOps Inc.*

Iain is Chief Executive Officer at SeekOps Inc. He previously founded Schlumberger Corporate Ventures and has 28 years of experience in oilfield product commercialization & service at Schlumberger. Iain is a Certified Director (UCLA) with strong governance focus and holds 26 granted US patents and a Ph.D. in Meteorology at University of Reading.



Andrew Aubrey,
*SVP Strategic
Partnerships at SeekOps
Inc.*

Andrew is Co-founder and Senior Vice President at SeekOps Inc. Previously, he worked at the NASA JPL Instruments Division (2008-17) where he served as a manager in the NASA Commercial Programs Office and Program Manager for Applied Sciences. Andrew holds a Ph.D. and M.S. from Scripps Institution of Oceanography.



Steve Jones,
*VP Europe at
BayoTech*

Steve is a 15-year veteran of the hydrogen industry having held positions in R&D, product manufacturing, system design and business development. Having worked in the UK and US markets he has an excellent understanding of the technical and economic drivers for hydrogen production systems.

Steve is currently the European VP for BayoTech and holds a BSc and MPhil in Materials Science from Birmingham University, a MBA from Sheffield University and is a chartered manager.