

BIOGAS LAB

WEBINAR SERIES



Performing biogas feedstock in a climate-neutral economy

OUR SPEAKERS

WELCOME & INTRODUCTION

Harmen Dekker, EBA Director

14:05 – 15:00 **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.



Bart Brouwer,
*Area Sales Manager at
Jongia Mixing
Technology*

Bart works as Area Sales Manager (international) at Jongia Mixing Technology.

At Jongia his responsibility is to help developing Jongia's agitator technology and sales further in 1 of the 3 focus markets the biogas sector.

Since 20 years, Bart is involved in the biogas market advising and selling agitators/stirrers for ABS and Scanpump (now part of Sulzer), farm and industrial type of biogas plants for HoSt Bioenergy Systems and depacking equipment for Mavitec Green Energy for unpacking products over date as a feedstock for biogas plants.



Lizzie German,
*Renewable DME
Product Manager at
SHV Energy*

Lizzie is renewable DME Product Manager for SHV Energy, coordinating activities across the SHV Energy group of LPG distribution companies to establish renewable DME within the product portfolio. She manages demonstration projects, supply scale-up, and strategy definition for market and regulatory developments. Lizzie previously worked in consultancy specialising in policy, economic and technical aspects of renewable fuel production and commercialisation. She holds an MSc in Sustainable Energy Futures from Imperial College London and a Masters in Chemistry from Oxford University.



Jean René Pouzin,
*Sales Manager at
Prodeval Group*

Since 2018, Jean René is Sales Manager at the Prodeval group, where he is in charge of developing Prodeval group's sales in biogas upgrading and green mobility.

15:00 – 15:55 DRIVING FORWARD THE RESEARCH ON BIOGAS

MODERATOR



Prof. Erik Meers,
*Ghent University &
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 aims 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.



Claudio Fuentes Grunewald,
*Research Officer, Swansea
University and Technical
Project Director,
BDC-KAUST*

Currently working as a Technical Project Director for Beacon Development Company from King Abdullah University of Science and Technology (BDC-KAUST) in Saudi Arabia. Claudio gets his degree in Aquaculture in 2001 by Arturo Prat University, Iquique, Chile. In 2008 he gets his Master of Science degree in environmental studies, also he gets in 2011 his PhD in Environmental Science and Technology both degrees from Universitat Autònoma de Barcelona, Spain. Claudio is an algal physiologist with over 25 years' experience in algal growth (including delicate flagellate species), biochemical analyses and purification including of materials external to the cells, and across applications from aquaculture to medical. He has 30+ publications on microalgae, with half of his career working in industry developing and commercializing novel techniques in microalgal biotechnology. Major scientific interests are applied research in marine biotechnology, marine/freshwater microalgal production, bioenergy, aquaculture, photobioreactor design & construction, and environmental science.



Manuel Porcar,
*Applied Microbiologist
and Synthetic Biologist
at I2SysBio*

Dr. Manuel Porcar is an Applied Microbiologist and Synthetic Biologist and the coordinator of the Biotechnology and Synthetic Biology lab at I2SysBio (University of Valencia-CSIC, Spain). He has a degree in Biology (University of Valencia) and a PhD in Agronomic Engineering (UPNA, Pamplona, Spain). During four years, he carried out several postdoctoral stays at Institut Pasteur (Paris, France) working on both bacteriology and virology, and later at the Joint Genome Institute (DoE/University of Berkeley), where he worked within the Northern lab on the characterization of extremophilic communities from Spain and California.

He has published near 100 articles in peer-reviewed scientific journals including journals such as Nature Biotechnology, EMBO Reports, BioEssays and ACS Synthetic Biology. He has five patents on applied microbiology and bioprocesses. He has been an expert member of the Spanish Commission for Biosafety during four years, he is an expert evaluator of the European Commission and, beyond his work in microbiology and molecular biology, he has developed Responsible Research and Innovation (RRI) approaches in the field of Synthetic Biology.

He recently cofounded the start up DARWIN BIOPROSPECTING EXCELLENCE and is currently working on synthetic biology solutions and bioprospecting of extreme environments. He leads the European Project BIOROBOOST, a CSA with 25 partners on biological standardization in Synthetic Biology, and MICRO4BIOGAS, aiming at the optimisation of biogas production.



Giuliana D'Imporzano,
*Agronomist at RICICLA
group, UNIMI*

Giuliana D'Imporzano, Agronomist, Ph.D. in Agricultural Ecology, working in the research group RICICLA, University of Milan. Principal Investigators in research projects related to AD, nutrient recovery and waste management. Her research interests are energy production from biomasses and wastes, waste and slurry management, environmental problems related to agricultural production, nutrient recovery and management of agricultural ecosystems, Life Cycle Analysis. She works as process consultant in anaerobic digestion plants, composting plants and waste bio-stabilization plants, supports and advises companies in evaluating innovative technologies to be introduced in the company's production cycle. She is author of 39 scientific peer-reviewed publications.