

# BIOGAS LAB

## WEBINAR SERIES



# *Next Generation EU Industry Running on Biogas*

## *OUR SPEAKERS*

**WELCOME & INTRODUCTION**  
*Harmen Dekker, EBA Director*

**14:05 – 15:00** *DRIVING FORWARD THE RESEARCH ON BIOGAS*

### **MODERATOR**



**Prof. Erik Meers,**  
*Ghent 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](http://www.biorefine.eu))

He also coordinated the Flemish biogas association, Biogas-E ([www.biogas-e.be](http://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.



**Marcella Fernandes de Souza,**  
*Project Manager,  
University of Ghent*

Marcella Fernandes de Souza is a Chemical Engineer with a PhD on Technology of Chemical and Biochemical Processes. She is currently a Project Manager at Ghent University. Her research interests are bioprocesses, biomass valorization and resource recovery.



**Marion Maheut,**  
*Project Manager,  
ENGIE*

Marion Maheut works at the R&D center of ENGIE (ENGIE lab CRIGEN) as Project Manager. In 2014, she started as R&D Process Engineer in hydrogen, biogas and biomethane production projects at the ENGIE Research Technology Division. Her field of research was gasification, anaerobic digestion, gas treatment, and her expertise are technology and economic assessments, process simulation, process design, process heat integration for green gas production. Since 2019, she is Project Manager responsible for gasification R&D projects for green gas production. More particularly, she is project manager of the GAYA project, which aims to produce synthetic natural gas (SNG) from biomass and waste gasification and syngas methanation.



**Walter Giacopini,**  
*Process Manager,  
GM- Green Methane*

Walter has been working for 17 years in CO<sub>2</sub> Removal System design for various applications. He has gained experience from the Process Design up to the commissioning and start-up of those plants. Since 2013 he contributed in engineering a new concept for Biogas Upgrading System to Biomethane, and currently holds the position of Process Manager in Green Methane. Walter is strongly convinced that biomethane is one of the most promising pathways to obtain both fast and affordable defossilization.

Walter Giacopini graduated in 2003 in Chemical Engineering in Padova.

**15:00 – 15:55**    **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.



**Saad Fakir Tamsamani,**  
*Technical Sales  
Representative,  
PMC Ouvrie*

Saad Fakir Tamsamani is a technical sales representative in PMC Ouvrie.

He holds a Master degree in Process Engineering from University Claude Bernard Lyon 1.



**Léon van Bossum,**  
*Commercial Director,  
Nordsol*

Léon is determined to impact the energy transition. He finds partners to promote bio-LNG as the key energy source for the heavy transport sector. Léon creates pragmatic business models for new bio-LNG facilities.

He has been a member of the Board of Directors with the Frames Group and holds degrees in Mechanical Engineering (BSc), Business Administration (MSc) and Finance (MSc).



**Andrés Saldivia,**  
*Business Development  
at Hysytech S.r.l*

Andrés is a Chemical Engineer with more than 18 years of experience in Chemical Engineering Design for Gas Processing and Purification.

He has an extensive experience on the field during plant construction and commissioning for both gas purification and cryogenic processing.

Through the years he has gained international experiences in Front-End Loading (FEED) development (FEL-1 and FEL-2), Total Capital Investment Estimate (CAPEX), Operational Cost Estimate (OPEX), Project Feasibility and Profitability, Business Plan development and Business Strategy.

Main Projects: micro-Scale Bio-LNG liquefaction and gas conditioning, CO<sub>2</sub> methanation and Chemical Intermediates, Biogas Treatment and Upgrading (Biomethane), Syngas and Hydrogen Production from Steam Methane Reforming, Syngas purification, Biogas, Syngas and Natural Gas Compression and Intercooling, Biomass Gasification, Gas Purifications applied to Semiconductors, Industrial Purpose Burners.

Mr Saldivia holds a Master's Degree in Chemical Engineering and Bachelor's Degree in Process Engineering.