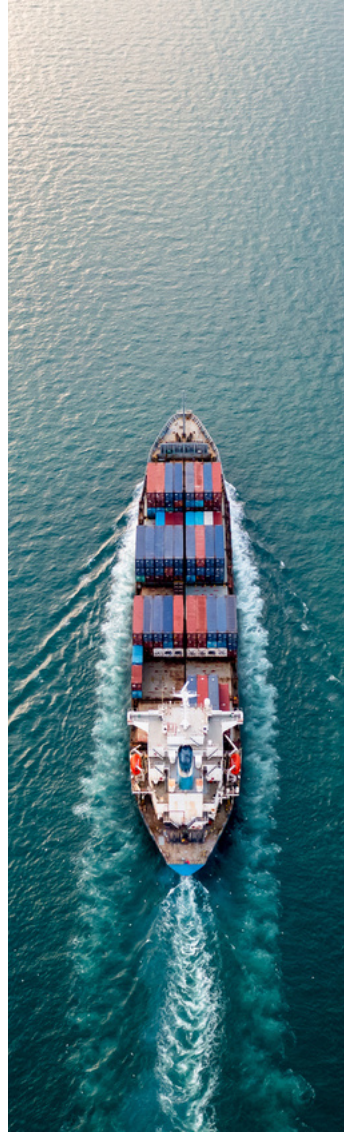
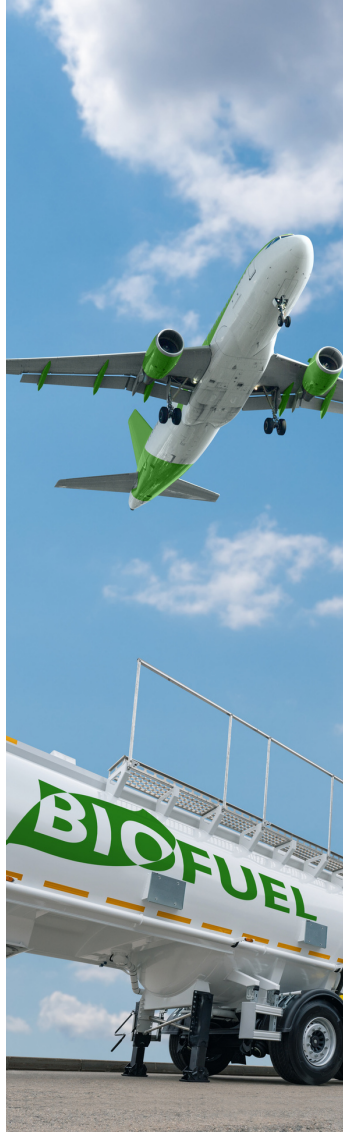


WELCOME PACK



## 15<sup>TH</sup> CONCAWE SYMPOSIUM

# CHALLENGES AND OPPORTUNITIES TO MEET EU'S CLIMATE AND AIR QUALITY OBJECTIVES

HOW CAN THE FUEL MANUFACTURING INDUSTRY CONTRIBUTE?

ONLINE

18 MARCH, 2024



# AMBIENT AIR QUALITY: EXPERIENCES, ACTIONS AND FUTURE COMMITMENTS AT CITY LEVEL

SESSION 3

## 15<sup>TH</sup> CONCAWE SYMPOSIUM PROGRAMME

March 18, 2024

14:00 - 14:05 Introduction

14:05 - 14:25

Ambient Air Quality : The EU approach

Thomas Henrichs,  
*European Commission*

14:25 - 14:45

Air pollution in the US,  
remembering, understanding, anticipating

Ann Marie Carlton,  
*University of California*

14:45 - 15:05 Discussion

### SESSION 3 - AMBIENT AIR QUALITY: EXPERIENCES, ACTIONS AND FUTURE COMMITMENTS AT CITY LEVEL

15:05 - 15:25

TNO Urban Strategy: digital twins for sustainable  
and liveable cities, applications in ambient air quality

Leonard Oirbans,  
*TNO*

15:25 - 15:45

Policies and measures to address air pollution in  
port cities

Bart Martens,  
*City of Antwerp*

15:45 - 16:00 Break

16:00 - 16:05

Concawe maritime study

Giuseppe Valastro, *Concawe*

16:05 - 16:20

Experiences, actions and future commitments  
at the Port of Rotterdam

Maaïke Dalhuisen,  
*Rotterdam Port Authority*

16:20 - 16:30

Road transport - future roadmap

Paul Greening, *ACEA*

16:30 - 16:45

Finding the right solutions to improve air quality

Thanasis Megaritis,  
*Concawe*

16:45 - 17:25

Q&A and panel discussion

17:25 - 17:30

Conclusions by Jean-Marc Sohier, *Concawe*

## MODERATION

**Alain Mathuren** holds a law degree from the Université Catholique de Louvain (UCL). Alain is currently Communication Director at Concauwe, which he joined in 2009. Previously, he worked for Interel PR & PA as Associate Director for the International Public Relations practice. Alain has 30 years of experience in communication. He first launched a field marketing agency in 1987, which he managed for 17 years before selling it to a French company in 2003. He subsequently joined an advertising agency as Retail Communication Manager and Brand Communication Client Director.



**ALAIN MATHUREN**  
CONCAWE

## KEYNOTE SPEECHES

### Ambient Air Quality - the EU approach

**Thomas Henrichs** is Deputy Head of Unit for 'Clean Air & Urban Policy' at the European Commission (DG Environment). In October 2022, the European Commission put forward a proposal for an ambient air quality directive (recast), that builds on lessons learnt from an evaluation of the current air quality legislation. It proposes to revise EU air quality standards to align them more closely with the World Health Organization recommendations, and to strengthen provisions on monitoring, modelling and air quality plans to help local authorities achieve cleaner air.



**THOMAS HENRICHS**  
EUROPEAN COMMISSION

### Air pollution in the US - remembering, understanding, anticipating

**Ann Marie Carlton** is a professor and vice-chair of chemistry at the University of California, Irvine. She holds B.S. and M.S. degrees in Bioenvironmental Engineering and a Ph.D. in environmental science all from Rutgers University in New Brunswick, NJ. She has worked for the US Environmental Protection Agency and National Oceanic and Atmospheric Administration. Carlton is a scientific leader of the Southern Oxidant and Aerosol Study and served on the National Academy of Sciences panel to write The Future of Atmospheric Chemistry Research. She is a former co-editor of Atmospheric Chemistry and Physics and presently an editor of Reviews of Geophysics. She also serves on the Board of Reviewing Editors for Science Magazine. Professor Carlton received the 2021 Roger Revelle Fellowship in Global Stewardship from the American Association for the Advancement of Science and was placed in the Climate and Environment team in the White House Office of Science & Technology Policy.



**ANN MARIE CARLTON**  
UNIVERSITY OF  
CALIFORNIA

## SESSION 3: AMBIENT AIR QUALITY: EXPERIENCES, ACTIONS, AND FUTURE COMMITMENTS AT CITY LEVEL

Over the past decade, air quality has significantly improved in the majority of European cities as a result of more robust air quality policies across various governance levels, the introduction of targeted measures and actions, and technological improvements that have reduced emissions from various sources. Nevertheless, many cities and regions still experience exceedances of the air quality limit values while having the ambition to align further the regulated limits with the new World Health Organisation (WHO) guidelines.

In Session 3, two city representatives will share their experiences from the implementation of mitigation measures and will present potential future actions that could be effective in further improving air quality. The session will continue with two presentations focused on the impact of shipping emissions to urban air quality in Europe, especially in port-cities. And lastly, two more presentations on how new legislation concerning road transport can play a role in urban air quality planning towards compliance with air quality standards.

### TNO Urban Strategy: digital twins for sustainable and liveable cities, applications in ambient air quality

As a lead innovation consultant at TNO, **Leonard Oirbans** (M.Sc.) works on the development and application of state-of-the-art Digital Twinning technology to accelerate solving complex societal challenges. Together with a wide array of stakeholders he explores the integral impact of policies such as urban development, redistribution of public space and interventions in mobility systems to reach liveable and resilient cities for all.



**LEONARD OIRBANS**

TNO

### Policies and measures to address air pollution in port cities

**Bart Martens** assists since 2019 the new alderman of the city of Antwerp, responsible for environmental and social policies, to turnover Antwerp into the first climate-neutral city of Belgium. Before his current role, Bart worked as an environmental policy advisor in the European Parliament. During that period, he was involved in the development of key environmental legislation such as those on the Energy Union, the Circular Economy, InvestEU and Horizon Europe. At a national level, Bart has been member of the Flemish Parliament, as a chairman of the environment committee, and member of the Belgian Senate, where he succeeded to insert “sustainable development” as a guiding principle for all government decisions into the Belgian Constitution.



**BART MARTENS**

STAD ANTWERPEN

## Concawe maritime study

**Giuseppe Valastro** is the Air Quality Science Executive at Concawe, with more than 30 years of experience in Manufacturing and EU Environmental Regulations. Giuseppe has been managing the project activities of the Air Quality Team at Concawe since 2020. Specific focus areas include sectors emissions determination and reporting, cost-benefit assessment related to air quality policy, development and implementation of air quality legislation (IED, BREF, AAQD, NECD, etc.), integrated assessment modelling, air quality impacts of vehicle emissions.



**GIUSEPPE  
VALASTRO**

CONCAWE

## Experiences, actions and future commitments at the Port of Rotterdam

**Maaïke Dalhuisen** is a corporate strategist at the Port of Rotterdam Authority. Within the Port of Rotterdam Authority, Maaïke is responsible for the Business Strategy, which targets the Port of Rotterdam's competitive position, and is an expert on several energy and feedstock transition subjects, like circular economy and hydrogen. She holds a master's degree in Strategic management at the Erasmus University in Rotterdam and has experience in transforming commercial organizations. Maaïke started her career at Allianz Netherlands, developing its insurance portfolio. Maaïke currently leads the development of a Master Plan for European Green ports (both inland and seaports) within the MAGPIE project. This project is co-funded by the Horizon 2020 program of the European Union.



**MAAIKE  
DALHUISEN**

ROTTERDAM PORT  
AUTHORITY

## Road transport - future roadmap

**Paul Greening** has a long experience working for the UK government and the European Commission on European and global regulations addressing the environmental performance of all road vehicles. In 2006, he joined the European Automobile Manufacturers Association (ACEA) where he is responsible for coordinating the European automotive industry position on emissions and the applicable testing procedures, renewable energy, and fuel quality and he is involved in assisting and influencing policymakers regarding their future legislative plans, as they will affect the European automobile industry.



**PAUL GREENING**

ACEA

## Finding the right solutions to improve air quality

**Thanasis Megaritis** joined ConcaWE in 2017. He is a Science Associate, leading the air quality technical program, which aims to better understand the impact of the fuel manufacturing industry through its operations and products on ambient air quality, as well as to identify and understand emerging air quality monitoring techniques and to develop best practices for better characterisation of source air emissions, and eventually to connect the dots between science and the development, monitoring, and implementation of air quality legislation. Thanasis has over 15 years of experience in research and industry, where he previously worked as an Air Quality Researcher for the Foundation of Research and Technology in Greece for 6 years and for a public entity of the Greek Ministry of Energy and Environment as an Environmental Compliance Coordinator for three years. He holds a degree in Chemical Engineering and a Ph.D. and Master's in Atmospheric Pollution and Climate Change.



**THANASIS MEGARITIS**  
CONCAWE

## SYMPOSIUM CONCLUSIONS

**Jean-Marc Sohier** is the ConcaWE Director at the European Fuel Manufacturers Association. He graduated Master of Mechanical Engineering from Brussels University (U.L.B.) in 1987 and received a diploma in Management of Business Administration (V.U.B.) in 1989. He started his career at PETROFINA and has held numerous functions in the Refining and Petrochemical manufacturing of TotalEnergies among which, successively, General Manager of TOTAL Petrochemicals Feluy, a polyolefin plant, General Manager of TOTAL Antwerp Refinery, Vice President Research and Development for Refining & Marketing and Vice President Manufacturing Methods & Performance for Refining & Chemicals. In his last position, he was Vice President of Industry for Africa, Asia, and the Middle East's Refining & Chemicals. In his current position, Jean-Marc is responsible for the development and execution of the scientific program of ConcaWE.



**JEAN-MARC SOHIER**  
CONCAWE DIRECTOR



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