



# 11th Concaawe Symposium

23–24 February 2015 Venue: Radisson Blu Royal Hotel, Brussels



Jim Bridges (Professor of Toxicology and Environmental Health, University of Surrey)



Scott Brockett (Team Leader, Directorate-General for Environment, European Commission)



Pia Bucella (Director, DG Environment)



Bob Diderich (Head of Division, OECD)



Eva Goossens (Head of Group on Air & Climate Change, EEA)



Jean-François Gruson (Chief of the Economics Department, IFP Energies Nouvelles)



John B. Heywood (Prof. Emeritus of Mechanical Engineering, Massachusetts Institute of Technology)



Laura Lonza, (Scientific Officer, Sustainable Transport Unit, Joint Research Centre of the European Commission)



Lorraine Maltby (Professor of Environmental Biology, University of Sheffield)



Mike Rasenberg (Head of Unit, Computational Assessment and Dissemination, ECHA)



Laurence Rouil (Head of Environmental Modelling and Decision Making, Ineris)



Philippe Thunis (Scientific Officer, Air and Climate Unit, Joint Research Centre of the European Commission)



Michael Wang (Energy Systems Division, Argonne National Laboratory)



Maurice Whelan ((Head of Unit, System Toxicology, Joint Research Centre of the European Commission)



## Introduction to the 11th Concaawe Symposium

Petroleum products have fuelled the global economy for more than 100 years. They have provided significant value to society: affordable mobility, feedstocks for many modern synthetic materials, and many other industrial and consumer products used daily. But like many other products in the modern world, without the correct use there can be unwanted side effects.

Science can inform consumers, industry and policy makers on how to minimise such impacts whilst retaining the considerable benefits of the use of petroleum products.

Concaawe's role over 51 years has been to promote and conduct such science, often in collaboration with experts around the world and with policy makers. This 11th Symposium will, we hope, continue this tradition with open debate about some of the current scientific challenges and, of course, solutions.



**Chris Beddoes**  
Director General



## About Concaawe

Concaawe was established in 1963 by a small group of leading oil companies to carry out research on environmental issues relevant to the oil industry. Its membership has broadened to include most oil companies operating in Europe. The scope of Concaawe's activities has gradually expanded in line with the development of societal concerns over environmental, health and safety issues. These now cover areas such as fuels quality and emissions, air quality, water quality, soil contamination, waste, occupational health and safety, petroleum product stewardship and cross-country pipeline performance.

Concaawe's main objectives are:

- To acquire pertinent scientific, economic, technical and legal information on environmental, health and safety issues relating to the refining of crude oil and the distribution and use of petroleum products.
- To communicate the findings in order to improve understanding of these issues by all stakeholders including the industry, authorities and the public at large.



# Programme

## for the 11th Concawe Symposium

### Monday 23 February 2015

11:30	Registration and lunch
13.00	Director's welcoming remarks
13.10	<p><b>Keynote: Improving engines and fuels, together</b></p> <ul style="list-style-type: none"> <li>● John. B. Heywood (Prof. Emeritus of Mechanical Engineering, Massachusetts Institute of Technology)</li> </ul>
13.45	<p><b>Well-to-wheels/life-cycle analysis of fuels and vehicles—comparing methodologies</b></p> <p>Moderator: Heather Hamje (Concawe)</p> <ul style="list-style-type: none"> <li>● Laura Lonza (Scientific Officer, Sustainable Transport Unit, Joint Research Centre of the European Commission)</li> <li>● Michael Wang (Energy Systems Division, Argonne National Laboratory)</li> <li>● Jean-François Gruson (Chief of the Economics Department, IFP Energies Nouvelles)</li> </ul>
15.15	Networking break
15.45	<p><b>Ecosystem services</b></p> <p>Moderator: Pete Roberts (Shell)</p> <ul style="list-style-type: none"> <li>● Pia Bucella (Director, DG Environment)</li> <li>● Graham Whale (Ecotoxicologist, Shell)</li> <li>● Lorraine Maltby (Professor of Environmental Biology, University of Sheffield)</li> </ul>
17.00	<p><b>Refinery releases: Air, water and soil</b></p> <p>Moderator: Brian Smithers (Consultant)</p> <ul style="list-style-type: none"> <li>● Eva Goossens (Head of Group on Air &amp; Climate Change, EEA)</li> <li>● Mike Spence (Science Executive, Water, Soil and Waste, Concawe)</li> <li>● Lucia Gonzalez (Science Executive, Air Quality, Concawe)</li> </ul>
18.00	End of Day 1
19:00	Cocktails and dinner

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## Programme for the 11th Concaawe Symposium (*continued*)

### Tuesday 24 February 2015

09.00	<b>Air quality and modelling tools</b> Moderator: Franck Chevallier (Total) <ul style="list-style-type: none"> <li>• Scott Brockett (Team Leader, Directorate-General for Environment, European Commission)</li> <li>• Les White (Principal and CEO of Aeris Europe Limited, Concaawe Special Advisor)</li> <li>• Laurence Rouil (Head of Environmental Modelling and Decision Making, Ineris)</li> <li>• Philippe Thunis (Scientific Officer, Air and Climate Unit, Joint Research Centre of the European Commission)</li> </ul>		
10.15	Young Researcher Poster Competition—Award Ceremony		
10.30	Networking break		
11.00	<b>Understanding petroleum substances from a regulatory perspective</b> Moderator: Klaas den Haan (Concaawe) <ul style="list-style-type: none"> <li>• Mike Rasenberg (Head of Unit, Computational Assessment and Dissemination, ECHA)</li> <li>• Bob Diderich (Head of Division, OECD)</li> <li>• Glen Carty (REACH Project Lead, Shell)</li> </ul>		
12.00	<b>21st century toxicology— toxicogenomics/in-vitro technologies</b> Moderator: Chris Money (Consultant) <ul style="list-style-type: none"> <li>• Maurice Whelan (Head of Unit, System Toxicology, Joint Research Centre of the European Commission)</li> <li>• Jim Bridges (Professor of Toxicology and Environmental Health, University of Surrey)</li> <li>• Hans Ketelslegers (Senior Toxicologist, ExxonMobil)</li> <li>• Timothy Gant (Head of the Toxicology Department, Public Health England)</li> </ul>		
13.00	Closing remarks		
13.10	Lunch		
14.00	<b>Air quality</b> Presentation of the OGI project	<b>REACH and toxicogenomics</b> PBT—assessment	<b>Fuels and emissions</b> Transportation out to 2050
15.30	Networking break		
15.45	<b>Water, waste and soil</b> Presentation of preliminary findings from comparison of WEA methodologies and in-situ impact, as measured by stream experiments	<b>REACH and toxicogenomics (<i>continued</i>)</b> Horizon 2020 proposal: CAT-APP	<b>Refining operations</b> Preliminary findings from the Refining Fitness check
17.15	Close		

*Note: speakers and topics are subject to change.*