

PROGRAMME

13th Concawe Symposium

Radisson Blu Astrid Hotel, Antwerp
18 & 19 March, 2019



DAY 1: Long-term vision for the industry (2050)

9.30 - 10.30	Registration and Welcome Coffee
10.30 - 10.45	Welcome and Opening Remarks
10.45 - 12.00	1. Keynote Speech, Martin Stuchtey, <i>SYSTEMIQ</i>
12.00 - 12.35	<p>2. Refinery Safety and Virtual Reality</p> <ul style="list-style-type: none"> • Concawe Safety Management Group and European Downstream Oil Industry Safety Performance • Focus on human performance • Virtual Reality in safety training • Development of Virtual Reality Refinery Safety Training Tool • Effective learning and implementation <p style="text-align: right;">Harald Hess, <i>Chair of the Concawe Safety Management Group</i></p> <p style="text-align: right;">Sam Vine, <i>University of Exeter & Toby de Burgh, Cineon Training</i></p>
12.35 - 13.30	Lunch Break*
13.30 - 15.30	<p>3. Low Carbon Pathways and Refining Technologies (I)</p> <p>a) Introductory comments, John Cooper, <i>Concawe</i></p> <p>b) A Clean Planet for all: EU long-term strategy options</p> <ul style="list-style-type: none"> • Setting the scene: A look into the European strategic long-term vision for a climate neutral economy and the role of the refining industry, Marta Yugo, <i>Concawe</i> <p>c) Refining 2020-2030</p> <ul style="list-style-type: none"> • Exploring the future policy framework and potential opportunities for refineries, Chris Malins, <i>Cerulogy</i> <p>d) Transport</p> <ul style="list-style-type: none"> • Impact analysis of mass EV adoption and low carbon intensity fuels scenarios, Nikolas Hill, <i>Ricardo</i> • Challenges for sustainable aviation & opportunities, Ralph-Uwe Dietrich, <i>German Aerospace Center</i>

15.30 - 16.00	Coffee Break*
16.00 - 18.00	<p>3. Low Carbon Pathways and Refining Technologies (II)</p> <p>e) Refinery 2050: Implications and challenges</p> <ul style="list-style-type: none"> • ECORYS-coordinated project on perspectives for advanced biofuels in Europe, Rainer Janssen, <i>WIP Renewable Energies</i> • Potential role of Power-to-X technologies, Christoph Gatzen, <i>Frontier Economics</i> • Concawe modelling exercise conceptual assessment, Marta Yugo & Damien Valdenaire, <i>Concawe</i> • A look into different business models to process low carbon feedstocks, Thomas Schröder, <i>Novozymes</i>
19.00 - 20.00	Cocktail
20.00 - 22.30	Dinner

DAY 2: Managing the transition

Understanding how the industry's long-term vision for low carbon liquid fuels will impact key areas of interest for Concawe.

8.30 - 9.00	Registration and Welcome Coffee
9.00 - 10.30	<p>4. Air Quality</p> <ul style="list-style-type: none"> • Clean Air communication and AAQD Fitness Check update, Thomas Henrichs, <i>DG Environment, European Commission</i> • Finding the right solutions: Concawe's NO_x/NO₂ Source Apportionment Tool, Bino Maiheu, <i>VITO</i> • Understanding the Air Quality Limit Value setting process and associated compliance challenge, Les White, <i>AERIS</i> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin-left: auto;"> <p style="text-align: center;">10.10-10.30</p> <p style="text-align: center;">Panel Discussion and Q&A</p> </div>
10.30 - 11.00	Coffee Break*

<p>11.00 - 12.30</p>	<p>5. Leadership in REACH for Petroleum Substances <i>REACH: a sustainable strategy for efficient compliance</i></p> <ul style="list-style-type: none"> • Progress made with the evaluation of Petroleum Substances under REACH from a regulatory perspective, Mike Rasenberg, ECHA • Why science matters? Robin Nelson, Concawe • New technologies to minimize animal testing on Petroleum Substances under REACH, Hans Ketelslegers, Concawe <p>Panel Discussion and Q&A 12.10-12.30</p>
<p>12.30 - 13.30</p>	<p style="text-align: center;">Lunch Break*</p>
<p>13.30 - 14.30</p>	<p>6. Water Sustainability of Renewable Fuels, <i>May Wu, Argonne National Laboratory, US</i></p> <ul style="list-style-type: none"> • Water Analysis Tool for energy resources • Projecting water use of renewable fuels <p>Discussion and Q&A 14.15-14.30</p>
<p>14.30 - 15.00</p>	<p style="text-align: center;">Coffee Break*</p>
<p>15.00 - 16.30</p>	<p>7. Maritime Transport: Overcoming the Fuels' Challenges</p> <ul style="list-style-type: none"> • Results of ISO marine fuel compatibility study – test methods for marine fuels 2020 and beyond, Monique Vermeire, Chevron • Impacts of particulate emissions from international shipping on climate, Chien Wang, MIT • Development of engines' technology: Decarbonisation of maritime transport, Sebastiaan Bleuanus, Wärtsilä
<p>16.30-17.00</p>	<p>Conclusions</p>

* During each coffee and lunch break participants will have the opportunity to experience the Virtual Reality Refinery Safety Training Tool