

# 12<sup>th</sup> World Surfactant Congress



5<sup>th</sup>–7<sup>th</sup> June 2023  
Rome

## PROGRAMME\*

MONDAY, 5<sup>th</sup> JUNE 2023  
OPENING & PLENARY SESSIONS

Time	Title	Speaker
09:00	<i>Registration Desk Opens</i>	
12:00 - 13:30	<i>Lunch &amp; Poster Session</i>	
13:30 - 13:40	Opening of the Congress	<b>Dr Tony Gough</b> CESIO President
13:40 - 14:00	Welcome Speech	
14:00 - 14:25	EU Chemicals Regulation	<b>Mr Giuseppe Casella</b> Head of Unit, REACH (DG GROW.F.1.)
14:30 - 14:55	P&G Perspectives on the Future of Surfactants in Household Care	<b>Dr Phil Vinson</b> Procter&Gamble
15:00 - 15:25	A Clean Future for Consumer Goods	<b>Dr Stephen Batchelor</b> Unilever
15:30 - 15:55	A Decade of Green Transformation – Regulatory and Sustainability Strategy in Consumer Brands	<b>Dr Arndt Scheidgen</b> Henkel
16:00 - 16:30	<i>Coffee Break</i>	
16:30 - 16:55	Care 360° – Smart Portfolio Solutions for Sustainable Life with High Performing, Innovative Surfactants from BASF	<b>Mr Michael Ceranski</b> BASF
17:00 - 17:25	Challenges in the Surfactants Industry and the Path Forward for New Solutions	<b>Ms Juliana Pantalena</b> Cepsa Chemicals
17:30 - 17:55	Sustainable Cleaning: from Lowering the Footprint of Today's Products to Sustainability by Design	<b>Dr Hermann Bach</b> Clariant
18:00 - 19:30	<i>Welcome Cocktail</i>	

\*The programme is subject to changes. Last update: 10<sup>th</sup> March 2023

Time	Title	Speaker
08:30 - 08:55	How do we Create Sustainable, Cost-effective Supply Options to Transform the Home and Personal Care Industry?	<b>Ms Zoe Baldwin</b> Shell
09:00 - 09:25	Dinosaurs Meeting Unicorns	<b>Mr Louis Snyders</b> Sasol
09:30 - 09:55	Development of Future Sustainable Surfactants	<b>Mr Hiroyuki Terazaki</b> Kao Corporation
10:00 - 10:25	What is the Future of Palm Oil in Europe?	<b>Mr Uwe Halder</b> KLK Oleo Europe
10:30 - 11:00	<i>Coffee Break</i>	

## SAFETY & REGULATORY AFFAIRS

Latest Regulatory Developments Under CSS and their Impacts  
Chair: J. Robinson

## TECHNICAL & APPLICATIONS (I)

Innovation in Household, Personal Care and I&I (I)  
Chair: D. Leinweber

## TECHNICAL & APPLICATIONS (II)

Structure/Property/Application Relationships (I)  
Chair: L. Möhle

▶ 11:00 - 11:20

CLP Regulation

**Mr Jérémy Pinte**  
European Commission

Effect of Shampoos and Conditioners on Hair Lipid Structure

**Prof Luisa Coderch**  
Institute of Advanced Chemistry of Catalonia IQAC-CSIC

Applying Scattering Methods for Characterising Surfactant Self-Assembly and Rationalising their Properties

**Prof Michael Gradzielski**  
Technische Universität Berlin

▶ 11:25 - 11:45

Materialize Several Actions Mentioned in the Chemical Strategy for Sustainability

**Mr Steven Van De Broeck**  
Cefic

New Cationic Active to Formulate Sustainable Fabric Softener Formats

**Dr Bernat Pi**  
Kao Corporation

Physical Chemical Properties of Biosurfactants in Presence of Co-surfactants

**Dr Peter Schmiedel**  
Henkel AG & Co. KGaA

▶ 11:50 - 12:10

Mixture Assessment Factor (MAF): Investigation of the Scientific Basis for its Proposed Application under REACH

**Dr John Heinze**  
Council for LAB/LAS Environmental Research (CLER)

Surface Activity of Alkyl Ester Amine Salts – A New Cationic Surfactant Family with Improved Environmental Profile

**Dr Natalija Smolko Schwarzmayr**  
Nouryon

Niosomes and Emulsions with High Dispersion Stability Formed by Polyglycerol Fatty Acid Esters

**Prof Sakai Hideki**  
Tokyo University of Science

▶ 12:15 - 12:35

REACH Polymers Registration: Actions and Next Steps for DU Formulators

**Ms Giulia Sebastio**  
Downstream Users of Chemicals Coordination Group

Novel Fermentation-Produced Sophorolipids: High-Performance, Safe and Sustainable Biosurfactants for Innovative I&I Formulations

**Mr Ronald Lieferring**  
Locus Performance Ingredients

Influence of a CO<sub>2</sub>-switchable Additive on the Surface and Foaming Properties of a Cationic Non-switchable Surfactant

**Mr Robin Benedix**  
University of Stuttgart

▶ 12:40 - 13:00

Use of New Approach Methodologies (NAMs) in Regulatory Decisions for Chemical Safety

**Dr Gavin Maxwell**  
Unilever

Ingredient Compatibility in Formulations of the Future for Sustainable Cleaning

**Ms Katie Lawrence**  
Novozymes

PO-modified Alcohol Ethoxylate Nonionic Surfactants

**Dr Wanglin Yu**  
The Dow Chemical

▶ 13:00 - 14:30

Lunch

SAFETY & REGULATORY AFFAIRS	TECHNICAL & APPLICATIONS (I)	TECHNICAL & APPLICATIONS (II)
<p>Frameworks for Surfactant Development and Assessment Chair: K. Stanton</p>	<p>Innovation in Household, Personal Care and I&amp;I (II) Chair: J. Barnes</p>	<p>Sustainability and Circularity (I) Chair: M. Dreja</p>
<p>▶ 14:30 - 14:50</p> <p>Current Activities of ISO/TC 91: Surface Active Agents</p> <p><b>Prof Kazutami Sakamoto</b> Tokyo University of Science</p>	<p>Formulation Design of Biosurfactant Based Cosmetic Products</p> <p><b>Prof Samiul Amin</b> University of Miami</p>	<p>Renewable Carbon-based Platform Chemicals for Sustainable Surfactants</p> <p><b>Prof Marcus Rose</b> Technical University of Darmstadt</p>
<p>▶ 14:55 - 15:15</p> <p>The EU Safe and Sustainable by Design Framework for Chemicals and Materials</p> <p><b>Ms Serenella Sala</b> European Commission</p>	<p>Performance and Sustainability without Compromise: Innovative Surfactant Solutions</p> <p><b>Dr Dirk Leinweber</b> Clariant</p>	<p>Biobased and Biofunctional Surfactants</p> <p><b>Dr Ruben R. Rosencrantz</b> Fraunhofer IAP</p>
<p>▶ 15:20 - 15:40</p> <p>Current Safe and Sustainable Assessment Frameworks for RM and Consumer Products</p> <p><b>Dr Fujii Kenkichi</b> Kao Corporation</p>	<p>The Role of Alkyl Polyglycosides in the Transition of Traditional to Modern Formulations</p> <p><b>Mr Frederic Bauer</b> BASF SE</p>	<p>Sustainable Manufacturing of Biosurfactants: Sophorolipids</p> <p><b>Dr Vicky De Groof</b> Holiferm</p>
<p>▶ 15:45 - 16:05</p> <p>Digital Innovation to Enhance Safety and Sustainability Data Sharing</p> <p><b>Dr Ali Temara</b> Procter&amp;Gamble</p>	<p>Inspired by Nature - Formulating with Biosurfactants</p> <p><b>Dr Jochen Kleinen</b> Evonik Operations GmbH</p>	<p>From a Concept to a Reality. NextLAB: Linear Alkylbenzene from Sustainable Carbon Sources</p> <p><b>Mr Luis Gamez López</b> Cepsa Química</p>
<p>▶ 16:05 - 16:35 <i>Coffee break</i></p>		

SAFETY & REGULATORY AFFAIRS	TECHNICAL & APPLICATIONS (I)	TECHNICAL & APPLICATIONS (II)
<p>From Ecolabel to Ecodesign</p> <p>Chair: S. Zänker</p>	<p>Impact of Digitalization and Formulation Design</p> <p>Chair: K. Schmidt</p>	<p>Industrial Applications</p> <p>Chair: V. Barlas</p>
<p>▶ 16:35 - 16:55</p> <p>How the Choice of Surfactants Affects the Environmental Profile of Cleaning and Personal Care Products</p> <p><b>Ms Giorgia Faraca</b> Ecolabel</p>	<p>COSMOplex: A Game-changing Way to Simulate Surfactant Systems</p> <p><b>Prof Andreas Klamt</b> Dassault Systèmes</p>	<p>Assessing and Selecting Suitable Surfactants for Microbial Biopesticides</p> <p><b>Dr Ruifei Wang</b> Nouryon</p>
<p>▶ 17:00 - 17:20</p> <p>Assessing the Sustainability Impact of Surfactants: a New Method</p> <p><b>Ms Sarah Davidson</b> Croda</p>	<p>Rejuvenation of the Surfactant Selection Toolbox to Speed up Formulation</p> <p><b>Prof Jean-Marie Aubry</b> University of Lille</p>	<p>Sustainable and Biobased Surfactants as Adjuvants for Agronomics</p> <p><b>Dr Dean Oester</b> BASF Corporation</p>
<p>▶ 17:25 - 17:45</p> <p>Ecodesign, the New Frontier of the Circular Economy: What Challenges for Chemical Companies?</p> <p><b>Mr Enrico Brena</b> Federchimica</p>	<p>Extended Surfactant Microemulsions: High Solubilization Capacities, Ultra-low Interfacial Tensions and Influence of Short-Chain Alkanes</p> <p><b>Mr Maximilian Krappel</b> Institute of Physical Chemistry, University of Stuttgart</p>	<p>Cationic Surfactants Limits in the Breaking Behaviour of Bitumen Emulsions for Road Construction and Formulation Strategies for Improvement</p> <p><b>Dr Thomas Lebarbé</b> Vinci Construction</p>

▶ 19:30 - 22:30

*Dinner Event*

BUSINESS & MARKET TRENDS	TECHNICAL & APPLICATIONS (I)	TECHNICAL & APPLICATIONS (II)
<p><b>Surfactants in a Disruptive World</b></p> <p><b>Chair: F. Müller</b></p>	<p><b>Structure/Property/Application Relationships (II)</b></p> <p><b>Chair: U. Schröder</b></p>	<p><b>Sustainability and Circularity (II)</b></p> <p><b>Chair: J. Esquena</b></p>
<p>▶ <b>08:30 - 08:50</b></p> <p>Dinosaur Eats Unicorn</p> <p><b>Mr Neil Burns</b> P2 Science, Inc.</p>	<p>How Stable are Ester-based Surfactants?</p> <p><b>Prof Krister Holmberg</b> Chalmers University of Technology</p>	<p>Biomass Based Platform Chemical as Basis for Surfactant Design - Promising Value Chains and Major Challenges</p> <p><b>Dr Peter Hausoul</b> Rheinisch-Westfälische Technische Hochschule Aachen</p>
<p>▶ <b>08:55 - 09:15</b></p> <p>Post-Covid Situation, Sustainability, Economic Uncertainty: How is the Surfactants Market Adapting to the New Market Conditions?</p> <p><b>Mr Nikola Matic</b> Kline &amp; Company</p>	<p>Co-surfactants as Powerful Tool for Optimization of the Formulation Properties</p> <p><b>Prof Slavka Tcholakova</b> Sofia University</p>	<p>Organic Waste Digested by Insects as New Feedstocks for Sustainable Products</p> <p><b>Dr Renke Rommerskirchen</b> Sasol Chemicals</p>
<p>▶ <b>09:20 - 09:40</b></p> <p>Industry Wide Sustainability Initiatives: The American Cleaning Institute's (ACI) Approach to a More Sustainable Cleaning Product Supply Chain</p> <p><b>Mr Nathan Shell</b> American Cleaning Institute</p>	<p>Surfactant Versatility Based on Hydrophobe Branching</p> <p><b>Dr Martha Hilton</b> ExxonMobil Product Solutions</p>	<p>Application of Synthetic and Natural Surfactants for Mobilizing PAHs in Marine Sediments for Remediation Purposes</p> <p><b>Mr Gabriele Moscatelli</b> University of Rome "La Sapienza"</p>
<p>▶ <b>09:45 - 10:05</b></p> <p>Sulfur: A Key Element that Might See Significant Long-term Supply Disruptions: Background, Outlook and Implications for the Surfactant Market</p> <p><b>Prof Brian Grady</b> University of Oklahoma</p>	<p>Superior Soil Removal Performance of Branched C11 Alcohol Ethoxylates: Key Learnings Through Development of Structure-performance Relationships</p> <p><b>Dr Gregory Dado</b> Stepan</p>	<p>Sustainable Anionic Surfactant Bio IOS : Keys to Achieve Both Higher Surface Activity and Superior Water Solubility</p> <p><b>Mr Atsushi Miyazaki</b> Kao Corporation</p>
<p>▶ <b>10:05 - 10:30</b> <i>Coffee Break</i></p>		



BUSINESS & MARKET TRENDS	SAFETY & REGULATORY AFFAIRS	TECHNICAL & APPLICATIONS
<p><b>Tackling Changes in a Volatile Market</b></p> <p>Chair: <b>K. Flocken</b></p>	<p><b>Advances in Analytical Methods</b></p> <p>Chair: <b>M. Linsten</b></p>	<p><b>Detergency, Cleaning and Sanitisation</b></p> <p>Chair: <b>A. Gelissen</b></p>
<p>▶ <b>10:30 - 10:50</b></p> <p>Meeting Procter &amp; Gamble's Ambitious Climate Goals by Transformative, Collaborative Decarbonization of Global Surfactants Supply Chains: Perspective, Insights and Recommendations from a Global Consumer Goods Company</p> <p><b>Dr Mark Stalmans</b> Procter&amp;Gamble</p>	<p>Methods for Measuring 1,4-Dioxane Concentration in Cleaning Products</p> <p><b>Mr Michael Williams</b> Evonik Corporation</p>	<p>Cleaning of Art Masterpieces: Surfactants, Microemulsions and Complex Fluids</p> <p><b>Prof Piero Baglioni</b> CSGI and University of Florence</p>
<p>▶ <b>10:55 - 11:15</b></p> <p>Challenges for Hygienic Cleaning in a Changing World</p> <p><b>Prof Dirk Bockmühl</b> Rhine-Waal University of Applied Sciences</p>	<p>Improved Assessment of the Anaerobic Biodegradability for 2-ethylhexanol Ethoxylates in Digested Sludge by Using the OECD 311 Test Guideline and a Weight of Evidence Approach</p> <p><b>Mr Roy Geerts</b> Nouryon</p>	<p>Next Generation Castor Oil Ethoxylates</p> <p><b>Dr George Smith</b> Sasol Chemicals</p>
<p>▶ <b>11:20 - 11:40</b></p> <p>Can Laundry Boosters Enable a More Sustainable Laundry Process ?</p> <p><b>Ms Dora Zamuner</b> Reckitt</p>	<p>Assessing the Biodegradability of Water-soluble Polymers in Standardized Laboratory Methods</p> <p><b>Dr Glauco Battagliarin</b> BASF SE</p>	<p>Development of Infection Control Technology - Enhancement of the Antiviral Effect of Surfactants</p> <p><b>Mr Takeshi Takizawa</b> LION Corporation</p>
<p>▶ <b>11:50 - 12:50</b></p> <p>Panel Discussion: <b>Prof Steven Abbott</b> (TCNF Ltd), <b>Prof Samiul Amin</b> (University of Miami), <b>Dr Thomas Greindl</b> (BASF), <b>Dr Phil Vinson</b> (Procter&amp;Gamble) Chair: <b>J. Venzmer</b></p>		
<p>▶ <b>12:55 - 13:25</b></p>		
<p>Closing Ceremony &amp; Awards</p>		
<p>▶ <b>13:25 - 14:25</b> ▶ Lunch</p>		