

出國報告（開會）

參加 Regulatory Summit Europe 2019 會議

服務機關：行政院環境保護署毒物及化學物質局

姓名職稱：劉怡焜組長

派赴國家：比利時

出國期間：自 108 年 10 月 12 日至 108 年 10 月 17 日

報告日期：中華民國 108 年 12 月 31 日

摘 要

報告名稱：參加 Regulatory Summit Europe 2019 會議

主辦機關：行政院環境保護署毒物及化學物質局

出國人員/服務機關/職稱：行政院環境保護署毒物及化學物質局 劉怡焜組長 1 人

出國類別：會議（擔任講者）

出國地區：比利時

出國期間：108 年 10 月 12 日至 108 年 10 月 17 日

報告日期：108 年 12 月 31 日

分類：毒化物管理

內容摘要：

為健全國內化學物質管理與制度，達到化學物質源頭管理的目的，本署參考國際相關作法，包括歐盟化學品註冊、評估、授權及禁限用法案(Registration, Evaluation, Authorization and Restriction of Chemicals, REACH)、美國毒性物質管理法(Toxic Substances Control Act, TSCA)、日本化審法(Chemical Substance Control Law, CSCL)及韓國化學物質註冊評估法案(Act on the Registration and Evaluation, etc. of Chemical Substances)等，研議我國化學物質登錄相關管制措施，並於 103 年 12 月 11 日發布「新化學物質及既有化學物質資料登錄辦法」，規定製造或輸入化學物質者，需經核准登錄後，始得製造或輸入，正式啟動我國化學物質登錄制度，主要是藉由源頭管制策略，完整蒐集化學物質危害與安全使用資訊，篩選出可能潛在危害的化學物質，俾進行後續管制。本署毒物及化學物質局於 105 年 12 月 28 日成立，即研訂我國「國家化學物質管理政策綱領」，並透過部會分工與合作，致力推動化學物質管理的工作，同時持續與國際交流，期能接軌國際，達到妥適化學物質源頭管理與健全化學品生命週期管制的目的。

本次本署受化學觀察組織(Cheical Watch)邀請至比利時布魯塞爾參加「2019 歐洲法規高峰會(Regulatory Summit Europe 2019)」並發表我國化學物質登錄管理制度「Chemical Substances Registration in Taiwan」，會議共有 2 天，計有專題演講(Plenary Keynotes) 說明歐盟法規的趨勢，以及包括歐盟、北美洲、亞洲、非洲等多國的法規簡介，報名參加與出席演講的人數超過 200 人，多數為業界代表，均希望在第一時間內蒐集到各國化學物質管理的最新制度與法規規定。

本次會議主題演講(keynote speaker) Sylvie Lemoine (The European Chemical Industry Council, Cefic)專家談到了未來 10 (2019~2030) 年歐洲化學工業政策應該是以安全的供應、永續與創新的解決問題為主軸，並提出了 6 項作法，說明如下：

- 一、Consolidate foundations。
- 二、Increase regulatory predictability。
- 三、Better integrate science into decision-making。
- 四、Integrate circular economy in risk management。
- 五、Explore opportunities to reduce regulatory gaps between EU and other regions。
- 六、Work together to increase trust in the EU chemical Risk Management / Risk Assessment (RA/RM) system。

本次會議心得摘述如下：

- 一、登錄是業者對人類健康與生態環境保護的貢獻作為：業者配合登錄制度申報資料，應是責無旁貸；確實申報，除了可以捍衛自己的產品、保障消費者的權益，亦可降低未來該物質或其衍生的產品造成危害事件所引起的法律訴訟案件，對於生態環境永續與人類的健康福祉會有很大的貢獻。
- 二、逐步建置完善登錄制度：建立完善的登錄制度不僅可以協助業者以最簡便的方式進行申報作業，亦可提高業者申報的意願，是協助政府後續管制的最佳工具。
- 三、建立產、官、學的合作與互信：化學物質登錄需要建立很多資料，尤其評估的程序是複雜、耗時、耗人力、專業且成本高，因此，需建立業者與官方間的溝通平台與機制，相互取得信任，才能達到雙贏。
- 四、建構以強大資料庫為基礎的策略分析：運用大數據分析，作為提升管理策略的方式，讓化學物質的使用與化學品的製造更加友善。
- 五、妥適運用風險溝通策略：針對不同的溝通對象（利害關係人），選擇適合的溝通工具，才能有效且準確的傳達資訊。
- 六、學習國際、創新作法，積極面對未來化學物質管理的挑戰：遵循聯合國訂定的策略方針與永續發展目標，研訂國內各類主題的策略與行動計畫來據以執行，即要有更多綠色化學(green chemistry)與循環經濟(circular economy)的行動計畫，以達到零污染(zero-pollution)與無毒家園的目標。

目 錄

摘要.....	I
壹、前言.....	1
貳、行程.....	2
參、會議議程.....	3
肆、會議重點.....	6
伍、心得與建議.....	7
附錄一、會議照片	
附錄二、會議資料	

壹、前言

西元 2006 年聯合國提出國際化學品管理策略方針(Strategic Approach to International Chemicals Management, SAICM)，希望各國能共同推動化學品生命週期的妥善管理，期能在 2020 年前，可以提升化學品安全，降低對人體健康與環境不良的影響。本署毒物及化學物質局於 105 年 12 月 28 日成立後，便致力於化學物質管理，依據 SAICM 訂定我國「國家化學物質管理政策綱領」，於 107 年 4 月 2 日奉行政院核定，同時修訂「毒性及關注化學物質管理法」於 108 年 1 月 16 日奉總統公布，逐步強化我國化學物質管理的量能。

我國自民國 96 年開始蒐集分析國際上有關化學物質登錄的資訊，102 年將化學物質登錄的規定納入毒性化學物質管理法中據以執行，不僅建立新化學物質登錄申報與管理制度，也與勞動部共同蒐集既有化學物質清單共計 101,089 種，並分階段建立既有化學物質的基本資料，包括 104 年 9 月 1 日開始進行第一階段蒐集年運作量大於 100 公斤以上既有化學物質、第二階段於 108 年 3 月 11 日公告 106 種既有化學物質要納入標準登錄，並自 109 年 1 月 1 日開始施行，最慢 3 年內要完成，逐步與國際接軌。

化學觀察組織(Cheical Watch)於 108 年 10 月 14 日至 15 日在比利時布魯塞爾參舉辦「2019 歐洲法規高峰會(Regulatory Summit Europe 2019)」，主要是邀請歐洲、美洲、亞洲等 10 多個國家，針對各國的登錄制度的法規與作法進行發表與討論。本署毒物及化學物質局此次受 Cheical Watch 邀請發表我國化學物質登錄管理制度「Chemical Substances Registration in Taiwan」，希望可以達到國際交流與資訊分享的目的。

貳、行程

時間	行程
108.10.12	啟程出發至比利時布魯塞爾
108.10.13	
108.10.14	參加 Regulatory Summit Europe 2019（會議第 1 天）
108.10.15	參加 Regulatory Summit Europe 2019（會議第 2 天） 擔任「Chemical Substances Registration in Taiwan」講者
108.10.16	啟程搭機
108.10.17	抵達臺灣

MONDAY

14

OCTOBER
2019

Day one



08:45 Registration

09:15 Keynote: Global regulatory trends

Speakers include:

Michael Warhust, Executive Director, CHEM Trust, UK

Sylvie Lemoine, Executive Director Product Stewardship, Cefic, Belgium

Session 1: Developments from Europe

Chair: Jean-Philippe Montfort, Partner, Mayer Brown, Belgium

09:45 The European Commission/ECHA Action plan 2019

- REACH registration dossiers and complying with legal requirements; key actions in the REACH Evaluation Joint Action Plan
- ECHA's screening of registration dossiers and compliance checks for at least 30% of substances
- The Commission's proposed amendment to REACH to increase the minimum required number of compliance checks from the present 5% to 20% in each tonnage band, and the legal target to support this objective

Cristina di Avala, Head of the Sustainable Chemicals Unit, European Commission, Belgium

10:10 The ECHA database of articles containing Candidate List substances under the Waste Framework Directive

- Concept and legal duties
- Information requirements and technical implementation
- Project status

Kevin Pollard, Head of Unit – Exposure and Supply Chain, ECHA, Finland

10:35 Q&A

10:50 Refreshments

11:05 REACH: Challenging decisions on substance evaluation

- Dossier compliance vs Substance evaluation
- Legal criteria to challenge decisions on Substance evaluation requesting new studies (EOGRS etc.)
- Review of Board of Appeal decisions

Claudio Mereu, Joint Managing Partner, Competition, Regulatory and Trade, Fieldfisher, Belgium

11:30 The Future of REACH Authorisation and Restrictions

- Impact of recent positions by the Court of Justice, the Parliament and the Council on Authorisation
- Review of recent restriction proposals: Scope, demonstration of unacceptable risk, grouping
- Navigating the challenging waters of REACH risk management measure

Jean-Philippe Montfort, Partner, Mayer Brown, Belgium

11:55 Article 45 CLP - Poison Centers

Caroline Raine, Consultancy Lead, Ricardo, UK

Heidi Rasikari, Scientific Officer, ECHA, Finland

12:20 Q&A

12:35 Lunch

13:35 RoHS Panel Discussion including Q&A

Moderator: Nhat Nguyen, Chief Analyst, Chemical Watch

Karolina Zazvorkova, Policy Officer, European Commission, Belgium

Lara Visser, Senior Policy Manager Sustainability, Digital Europe, Belgium

Doreen Fedrigo, Senior Programme Manager, European Environmental Citizens' Organisation for Standardisation (ECOS), Belgium

Session 2: Developments from North America

14:20 The regulatory drivers for ingredient transparency in the US

- Learn about the major laws governing ingredient communication and labeling for household products in California, New York and a potential federal legislative solution.
- The deadlines and nomenclature requirements for California and New York.
- How industry is working with U.S. retailers to align chemical safety policies and prevent conflicting ingredient communication requirements.

Steve Caldeira, President and CEO, Household and Commercial Products Association, USA

14:45 Refreshments

15:00 TSCA - Overview and new chemicals update

Rose Passarella, Senior Manager, Regulatory - Chemicals, Health, Environmental & Regulatory Services (HERS) Intertek, USA

MONDAY

14

OCTOBER
2019

Day one



15:25 The NGO response to United States EPA's implementation of the new TSCA

- Since the 2016 overhaul of the Toxic Substances Control Act (TSCA) NGOs have lodged cases in the U.S. courts challenging nearly every aspect of the Environmental Protection Agency's (EPA's) implementation of the new law.
- The NGOs have had some successes and some losses in the courts.
- This has caused EPA to change its procedures on some issues, to hold firm in others; yet a number of significant judgments are yet to be handed down.
- The impact of NGO engagement parallels to some degree the involvement and impact of NGOs on REACH implementation.

Herb Estreicher, Partner, Keller and Heckman LLP, USA

15:50 Understanding the NGO response in the face of industry's response

- TSCA reform delicately balanced competing stakeholder interests. That balance has been shattered by the Trump administration's implementation of the reformed law.
- Chemical industry officials now hold key positions at EPA with few or no ethics limitations, and industry and law firms representing it have seized the political opening to skew implementation far in its direction.
- Litigation has been a necessary response to EPA's numerous violations of the law.
- In its risk evaluations, EPA is relying on industry study summaries available through ECHA, without access to full studies. These summaries can be – and have been – altered by registrants without notice.

Richard Denison, Lead Senior Scientist, EDF, USA

16:15 Industry perspective on working with US TSCA

Adriana Jalba, Director Advocacy EU, ICL Industrial Products, Belgium

17:40 Q&A

16:55 California Proposition 65 Update

- Enforcement trends after the new warning regulations
- Newly listed chemicals of potential interest (PFOA and Soluble Nickel)
- Using safe use determinations to assist assessing compliance

Mike Easter, Principal, Ensign, USA

17:20 Updates on Chemicals Management in Canada

Mary Ellen Perkin, Manager - Consumer and Cleaning Products, Industrial Sectors, Chemicals and Waste Directorate, Environment and Climate Change Canada

17:45 Q&A

18:00 Close of Day one/Cocktails



TUESDAY

15

OCTOBER
2019

Day two



Session 3 - Developments from Asia

09:00 China - Regulatory Updates

- Update on the management of new chemicals in China
- Update on the management of existing chemicals in China
- The new revisions to MEP Order 7
- Going forward and potential practical points to be discussed within the industry

Heng Li, Associate, Mayer Brown, China

09:30 Updates to Japanese chemical regulatory requirements

David Esdaile, Director of Science and Regulatory Affairs, Citoxlab Hungary

10:00 South Korea

- Pre-notification done. What's next
- Polymers under K-REACH
- What to expect further in Korea

Oliver Weiss, Researcher, KIST Europe, Germany

10:30 Q&A

10:45 Refreshments

11:00 Australia

Nhat Nguyen, Chief Analyst, Chemical Watch, USA

11:30 ASEAN developments including Thailand and the Philippines

- Update on Thai registration procedure under DIW
- Summary of registration process for Industrial Chemicals in the Philippines

Gunnar Kahl, Managing Director, Dr Knoell Consult Thai Co.

12:00 Taiwan

- Taiwan Toxic and Concerned Chemical Substances Control Act (amended in 16th January 2019)
 - Taiwan Registration system (amended in 4th June 2019)
- Dr. Yi-Kuen Liu, Director of Comprehensive Planning Division, Toxic and Chemical Substances (TCSB) EPA, Taiwan

12:30 Q&A

12:45 Lunch

Session 4: Other Global Developments

Chair: Andrew Turley, Science Editor, Chemical Watch, UK

13:45 South America

Daniel Rios, Hazmat Compliance Manager LATAM, Givaudan, Argentina

14:15 Eurasia REACH

- Overview of Eurasia and Russia REACH-like regulation
- "Only Representative" concept
- Importance of Inventory Notification and practicalities
- Registration process: existing vs. new chemicals and mixtures
- Open questions and hurdles for foreign companies

Olesia Pochapska, Senior Consulting Manager REACHLaw, Finland

14:45 Africa: demography, development and chemical management

- The African regional population growth is the highest foreseen for the next decades to come
- Although chemical production in Africa only represents 1 % of global sales, chemicals and products use would be rising with population growth demand
- Some countries are progressing their chemicals management system with the support of the SAICM (Strategic Approach to International Chemicals Management) process and their example will be detailed

Veronique Garny, Director of Product Stewardship, CEFIC, Belgium

15:15 Q&A

15:30 Refreshments

15:45 Turkey REACH

Yaprak Yüzak Küçükvar, REACH Global Services, Turkey

16:15 India

Rajesh Ramamurthy, Vice President & Regional Head – Product Stewardship Asia, Archroma India Pvt Limited, India

16:45 Q&A

17:00 Conclusion and conference summary

Andrew Turley, Science Editor, Chemical Watch, UK

17:15 Close of conference

肆、會議重點

- 一、本署受化學觀察組織(Chemical Watch)邀請至比利時布魯塞爾參加「Regulatory Summit Europe 2019」並發表我國化學物質登錄管理制度「Chemical Substances Registration in Taiwan」，該組織係因應歐盟化學藥品註冊、評估、授權和限制(Registration, Evaluation, Authorization and Restriction of Chemicals, REACH)等相關法規於 2007 所成立的公司，2019 年 3 月更宣布將其三個子品牌(AsiaHub, BiocidesHub 和 Chemical Risk Manager)合併為一個化學觀察(Chemical Watch)品牌，是一個同時擁有資源庫、診斷工具、分析能力等專業的團隊，其主要工作是持續透過蒐集各國法規發展趨勢與觀點，向全球製造業、供應商、非政府組織(Non-Governmental Organization, NGO)團體等提供各國重要的法規情報和分析觀點的服務，希望透過科技與智能發展，集結全球專業與能量，提升產品的安全性。
- 二、會議共有 2 天，議程安排非常豐富，計有專題演講(Plenary Keynotes)說明歐盟法規的趨勢，以及包括歐盟、北美洲、亞洲、非洲等多國的法規簡介，報名參加與出席演講的人數超過 200 人，多數為業者，均希望在第一時間內蒐集到各國化學物質管理的最新制度與法規規定。開幕儀式由 Chemical Watch 管理部的主任 Stuart Foxon 致詞揭開序幕。
- 三、本次會議主題演講(keynote speaker)Sylvie Lemoine (The European Chemical Industry Council, Cefic)專家談到了未來 10 (2019~2030)年歐洲化學工業政策應該是以安全的供應(an indispensable provider of safe)、永續與創新的解決問題 sustainable and innovative solutions)為主軸，包括：
 - (一) 強化基礎(Consolidate foundations)：持續改善與簡化 REACH、化學物質及混合物之分類、標示及包裝法規(Classification, Labelling and Packaging, CLP)等制度，同時提升查核制度與規範。
 - (二) 增加法規的可預測性(Increase regulatory predictability)：改善及調和危害物質管理的選擇性分析(risk management option analysis, RMOA)，即對於主管機關的決策過程(the decision-making process for authorities)應建立制度且十分明確。
 - (三) 整合以科學為基礎的決策系統(Better integrate science into decision-making)：協同專家、學者參與政府建立的科學諮詢機制 Scientific

Advisory Mechanism (SAM)，並增加科學證據的透明度，作為主管機關決策的基礎。

- (四) 整合建構以循環經濟為概念的風險管理(Integrate circular economy in risk management)：掌握可以納入以循環經濟為概念的物質清單，以確切可行的方法進行風險管理，避免危險化學品、有害或高關注化學物質(Substance of Very High Concern, SVHC)帶來不確定性的危害，同時應考量源頭減量、鼓勵化學物質回收、減少廢棄物產生作為解決方案，達到永續發展目標。
- (五) 探討可能減少歐盟與其他國家區域法規差異的方式(Explore opportunities to reduce regulatory gaps between EU and other regions)：化學物質使用與化學品的流通無國界，如能減少各國法規或國內各相關法規間的差異，將有助於物質的管制，舉例說明：爭取各國法規之間的合作與調合，例如全面實施聯合國的化學品全球調和制度(Globally Harmonized System of Classification and Labelling of Chemicals, GHS)；探討對於登錄資料庫中危害物質數據的分析與應用，同時尊重各國(或跨區域)知識權，例如：減少動物試驗，協助與支持開發國家的作法等；以及在各國共同關心的新興領域上，共同探索及採用全球共同方法的可能性，例如：聚合物的安全性評估等。
- (六) 共同努力提升歐盟國家之化學物質風險管理與風險評估系統中各利害關係人間的互信(Work together to increase trust in the EU chemical Risk Management / Risk Assessment (RA/RM) system)：所有與化學物質管理相關的利害關係人應一起共同努力，互信互利共同妥善管理化學物質。

伍、心得及建議

- 一、化學觀察組織 Chemical Watch 係由具有法律、管理、化學與資料分析專業等背景的 26 位專家組成，自 2007 年成立至今，已在全球各地舉辦很多有關化學品管理制度與法規議題的研討會、訓練課程等，除廣邀民間顧問公司、各國專家與政府代表參與法規、管理制度的發表與討論外，亦吸引了很多業界參與，同時持續地以各國語言報導全球化學品管制與發展情況，是個相當活躍的組織，對於各國最新的法規趨勢發展，非常受到業界的重視，是個非官方且可以與各國產、官、學、研交流的平臺，建議我國與化學物質管理相關的政府機關、業

者等可以多加利用並與其合作。

二、登錄是業者對人類健康與生態環境保護的貢獻作為

業者為何要使用化學物質？為何要不斷開發出新的化學物質呢？簡單的說，應該就是要發展經濟，提升生活品質與便利，但是，過度使用化學物質對人的健康與環境的危害，可能無法在短時間內證明，有待提供完整如實的化學物質特性資料，進行化學物質危害評估與測試，進而登錄相關的資訊與分析，提早評估出其危害性或可能危害性，並提出因應措施。

業者一開始依規定配合登錄制度申報，雖然是別無選擇，但也責無旁貸，而隨著化學品研發與產品不斷的推陳出新，仍應配合制度持續自主更新登錄資料，並且確實申報，除了可以捍衛自己的產品、保障消費者的權益，亦可降低未來該物質或其衍生的產品造成危害事件所引起的法律訴訟案件，對於地球生態環境永續與人類的健康福祉會有很大的貢獻。

三、建置完善登錄制度

化學物質登錄的目的主要在於協助化學物質的生產、使用與管理，經由在製造、輸入前登錄物質的性質與危害特性，再透過資料的應用分析，提供各主管機關作為管理其事業使用，達到化學物質源頭管理的目的。

因此，建立完善的登錄制度不僅可以協助業者以最簡便的方式進行申報作業，亦可提高業者申報的意願，是協助政府後續管制的最佳工具。而制度的建立與完善非一蹴可及的，需不斷的滾動檢討修正，目前歐洲化學總署(European Chemicals Agency, ECHA)也正逐步研商改善 REACH 制度，希望讓制度更加完善。

四、建立產、官、學的合作與互信

化學物質的登錄需要建立很多資料，例如物質的製造、用途、安全使用、物理與化學特性、毒理資訊、生態毒理、危害評估、暴露評估等資訊，但對於化學物質資料的正確性或危害評估的科學性，在不同利害關係人間可能存在很大的認知差異，尤其是評估的程序是複雜、耗時、耗人力、專業且昂貴的。

評估技術與認定固然是不容易，但業者與官方應有溝通的機制與平台，共同建置一套具有共識的可行評估方式，鼓勵業界與政府應共同投入人力與經費，建立合作機制與取得互信，才能達到雙贏。

五、建構以強大資料庫為基礎的策略分析

REACH 法規對於業者採「No data, no market」的負擔逆轉責任要求，已大幅改善過去 10 年來化學物質登錄資料不足的問題，以目前建置的資料庫為基礎下，運用大數據分析作為提升管理策略的方式，讓化學物質的使用與化學品的製造更加友善，進一步達到無毒環境的策略。惟目前的蒐集的資料項目是否仍足夠未來 10 年，甚至數十年以後的分析或評估使用？是值得深思與研究的議題。此外，資料的分享亦是促進化學物質管理很重要的一環，也是達到「共享資訊、共負責任」的企業社會責任。

六、妥適運用風險溝通的決策機制

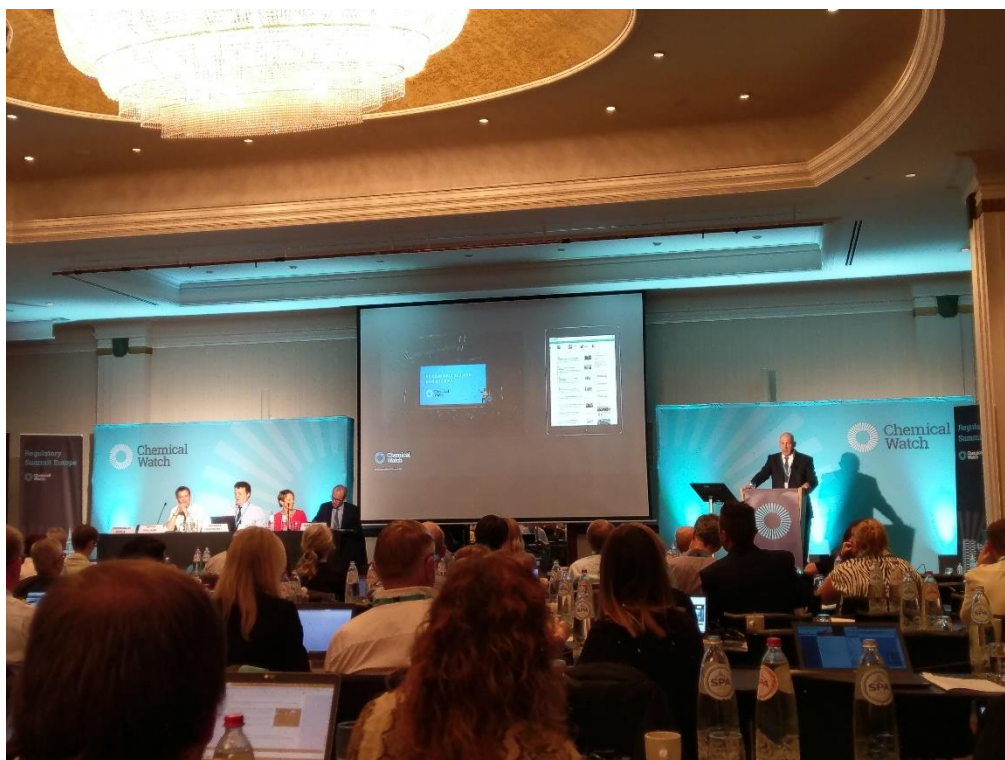
本次研討會較少討論到風險溝通的部分，而決策系統除了以科學為基礎外，同時應考量風險溝通的作法與策略，針對不同的溝通對象（利害關係人），選擇適合的溝通工具，才能有效且準確的傳達資訊。

七、我國面對未來化學物質管理的挑戰

2019 年 3 月聯合國環境規劃署 (UNEP) 於環境大會提出「Global Chemicals Outlook II」，妥善的化學品與廢棄物的管理，將促進永續發展指標的達成。

化學物質種類樣態繁多，千變萬化，新興化學物質不斷推陳出新，化學物質的管理是一件長期持續不斷的工作與任務，目前國際上的作法大致上是由聯合國訂定目標，各國再依據目標研訂國內各主題類型的策略與行動計畫來據以執行，即要有更多綠色化學(green chemistry)與循環經濟(circular economy)的行動計畫，以達到零污染(zero-pollution)的目標；這也與我國研訂全國化學物質管理最高的指導方針「國家化學物質管理政策綱領」，以及整合跨部會並提出相關行動方案的作法一致，顯示我國對於化學物質管理的作法與國際先進國家一致，不僅重視化學物質的管理、重視管理的策略與行動方案、重視資料庫的建制與運用、並結合永續綠色化學的概念，鼓勵循環經濟、源頭減量、安全替代的使用化學物質與強調回收、減少廢棄物的產生等，將眼光放得更長更遠，以面對未來化學物質對人類健康與生態環境可能影響之艱鉅挑戰。

附錄一、會議活動照片



開幕致詞



Sylvie Lemoine 專家擔任 keynote speaker



會議場地及人員出席情形



出席會議



報告 "Chemical Substances Registration in Taiwan"

附錄二、會議資料

Regulatory Summit Europe 2019

14 -15 OCTOBER 2019 | BRUSSELS, BELGIUM



Welcome

Welcome to the Chemical Watch Regulatory Summit Europe 2019. We are delighted to welcome you to Brussels, and over the course of the next two days look forward to a range of presentations, panel discussions and Q&A sessions by expert speakers offering the latest updates and important developments in chemicals control legislation from around the world.

Day one starts with updates and developments from Europe, including informative presentations from the European Commission and ECHA and areas including REACH and EU RoHS. In the afternoon we turn our attention to what's happening in the US, with experts covering different perspectives on TSCA, Proposition 65 and chemicals management in Canada.

Day two looks at the latest in chemicals management across Asia, including China's regulatory revisions, ASEAN developments and an afternoon exploring changes across the world including Eurasia REACH and chemical management in Africa.

Please take the opportunity to ask questions throughout the event, and take advantage of the Chemical Watch community to make new connections and share experiences with your peers while you're here.

Earlier this year we revealed our new service and brand identity, which we are very excited to be able to share with you. Our new proposition goes far beyond anything we've offered to date, addressing the trends, challenges and risks faced by our customers today, and in the years to come.

Our aim: to empower you to transform product safety management and unlock the full value of regulatory compliance within your business.

Don't hesitate to come and talk to us at the Chemical Watch stand to find out more. We are also excited to be sharing a demonstration of our new platform on day two of the conference at 8.15am, find us at the Chemical Watch Demo Area in the Stoclet Room.

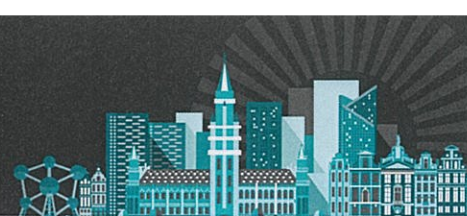
Wishing you a successful and productive event,

Kind regards,



Judy Jackson
Events Director
Chemical Watch





08:45 Registration

09:15 **Welcome**

Stuart Foxon, Managing Director, Chemical Watch

09:30 **Keynote: Global regulatory trends**

Kevin Pollard, Head of Unit – Exposure and Supply Chain, ECHA, Finland

Sylvie Lemoine, Executive Director Product Stewardship, Cefic, Belgium

Michael Warhurst, Executive Director, CHEM Trust, UK

Session 1: Developments from Europe

Chair: Jean-Philippe Montfort, Partner, Mayer Brown, Belgium

09:45 **The European Commission/ECHA Action plan 2019**

Cristina di Avala, Head of the Sustainable Chemicals Unit, European Commission, Belgium

10:10 **The ECHA database of articles containing Candidate List substances under the Waste Framework Directive**

Kevin Pollard, Head of Unit – Exposure and Supply Chain, ECHA, Finland

10:35 Q&A

10:50 Refreshments

11:05 **REACH: Challenging decisions on substance evaluation**

Claudio Mereu, Joint Managing Partner, Competition, Regulatory and Trade, Fieldfisher, Belgium

11:30 **The future of REACH Authorisation and restrictions**

Jean-Philippe Montfort, Partner, Mayer Brown, Belgium

11:55 **Article 45 CLP: Poison Centers**

Caroline Raine, Consultancy Lead, Ricardo, UK

Heidi Rasikari, Scientific Officer, ECHA, Finland

12:20 Q&A

12:35 Lunch

13:35 **RoHS panel discussion including Q&A**

Moderator: Nhat Nguyen, Chief Analyst, Chemical Watch

Karolina Zazvorkova, Policy Officer, European Commission, Belgium

Doreen Fedrigo, Senior Programme Manager, European Environmental Citizens' Organisation for Standardisation (ECOS), Belgium

Cristina Garcia, Regulatory & Compliance Analyst, Chemical Watch

Session 2: Developments from North America

Chair: Adriana Jalba, Director Advocacy EU, ICL Industrial Products, Belgium

14:20 **The regulatory drivers for ingredient transparency in the US**

Steve Caldeira, President and CEO, Household and Commercial Products Association, USA

14:45 Refreshments

15:00 **TSCA: Overview and new chemicals update**

Rose Passarella, Senior Manager, Regulatory - Chemicals, Health, Environmental & Regulatory Services (HERS) Intertek, USA

15:25 **The NGO response to United States EPA's implementation of the new TSCA**

Herb Estreicher, Partner, Keller and Heckman LLP, USA

15:50 **Understanding the NGO response in the face of industry's response**

Richard Denison, Lead Senior Scientist, EDF, USA

16:15 **Industry perspective on working with US TSCA**

Adriana Jalba, Director Advocacy EU, ICL Industrial Products, Belgium

17:40 Q&A

16:55 **California Proposition 65 update**

Mike Easter, Principal, Ensign, USA

17:20 **Updates on Chemicals Management in Canada**

Mary Ellen Perkin, Manager - Consumer and Cleaning Products, Industrial Sectors, Chemicals and Waste Directorate, Environment and Climate Change Canada

17:45 Q&A

18:00 Close of day one/cocktails

Our speakers – day one



Stuart Foxon

Managing Director, Chemical Watch

Stuart is the Managing Director of CW Research Ltd, heading the management team, running operations and sitting on the Board. Previously, he worked for the environmental news publisher ENDS in a business management and new product development role and at global food & drinks consultancy, Zenith Global.



Michael Warhust

Executive Director, CHEM Trust, UK

Michael has been Executive Director of CHEM Trust since July 2014, leading the organisation and working with his team and other NGOs to improve EU chemical policies such as REACH and chemicals in food contact materials. He leads CHEM Trust's work on Brexit.



Sylvie Lemoine

Executive Director Product Stewardship, Cefic, Belgium

Sylvie Lemoine recently joined Cefic as Executive Director Product Stewardship and is a seasoned public affairs professional with more than ten years of experience working on chemicals policy in EU government affairs.



Jean-Philippe Montfort

Partner, Mayer Brown, Belgium

Jean-Philippe Montfort is one of Europe's leading legal practitioners on EU chemical control (REACH), EU product safety and liability, and EU regulatory law.



Cristina di Avala

Head of the Sustainable Chemicals Unit, European Commission, Belgium

Cristina is Head of the Sustainable Chemicals Unit of the European Commission's Environment Directorate-General. Prior to that, she was Deputy Head of the same unit, where she led the unit's work on REACH and CLP.



Kevin Pollard

Head of Unit – Exposure and Supply Chain, ECHA, Finland

Kevin has worked at the European Chemicals Agency since 2007. His main focus until 2016 was REACH Registration, in addition to managing the submission process for biocides and ECHA's role in the Prior Informed Consent (PIC) Regulation. From 2016 until the end of 2018, Kevin moved to ECHA's Evaluation Directorate, focussing primarily on the dossier evaluation process.



Claudio Mereu

Joint Managing Partner, Competition, Regulatory and Trade, Fieldfisher, Belgium

Claudio heads the firm's Competition, Regulatory and Trade group and life sciences group. His practice focuses on European Union law, with an emphasis on the chemicals (REACH), pesticides, biocides and life sciences industry sectors. He advises on regulatory compliance issues, task force/consortia formation, product defence strategies and product circulation across the European Union.



Caroline Raine

Consultancy Lead, Ricardo, UK

Caroline is the NCEC regulatory business area manager, with a wealth of experience in interpreting and implementing legislation relating to hazardous chemical substances



Heidi Rasikari

Scientific Officer, ECHA, Finland

Heidi started working at the European Chemicals Agency in the Dossier Submission unit in 2009. Since 2017 she has worked in the Poison Centre Team implementing Annex VIII to the CLP Regulation and was involved in establishing and leading in a number of stakeholder working groups, in particular, towards developing the European product categorisation system. Today she is involved in a number of Annex VIII activities including IT tool development, industry support and communications, and regulatory guidance.



Karolina Zazvorkova

Policy Officer, European Commission, Belgium

Karolina is Seconded National Expert from the Czech Republic working at DG Environment, Waste Management & Secondary Materials Unit. Her key focus is legislation concerning the use of hazardous substances in electrical and electronic equipment. Before joining the European Commission, she was Deputy Head of Bilateral Cooperation Unit at the Ministry of the Environment of the Czech Republic.



Cristina Garcia

Regulatory & Compliance Analyst, Chemical Watch

Cristina Garcia is one of Chemical Watch's global regulatory analysts, with a focus on Europe and Latin America. Prior to joining chemical watch, Cristina worked in regulatory affairs and compliance management for multinational companies in the food contact, biocide, and chemical industry. Cristina has a post-graduation in toxicology, transport of dangerous goods expert (DGSA), as well as other regulatory and toxicology issues.

**Doreen Fedrigo**

Senior Programme Manager, European Environmental Citizens' Organisation for Standardisation (ECOS), Belgium

Doreen has almost 30 years of NGO experience at national (UK) and EU level, working on policy issues from natural resources, products, waste, and chemicals. She has also worked on sustainable consumption and production, and on occupational health and safety aspects of nanomaterials for trade unions. At ECOS she is responsible for work on chemicals and nanomaterials, and oversees work on the circular economy. After working in the fashion and advertising sectors, she studied Ecology and Conservation at Birkbeck College, London.

**Steve Caldeira**

President and CEO, Household and Commercial Products Association, USA

Steve was named President & CEO of the Household & Commercial Products Association in December 2016. HCPA members manufacture, formulate, distribute and sell familiar household and commercial products that help consumers and workers to create cleaner and healthier environments. HCPA members are responsible for 200,000 direct jobs in the United States and generate \$180 billion annually in economic output. As President & CEO, Steve works closely with the HCPA Board of Directors to set and execute the strategic priorities of the association.

**Rose Passarella**

Senior Manager, Regulatory - Chemicals, Health, Environmental & Regulatory Services (HERS) Intertek, USA

Dr. Passarella is an advocate for sustainable chemical management promoting compliance and innovation through consistent, compatible, and sustainable global chemical regulations. She is a strategist in navigating international chemical regulations. At Intertek, she uses her chemical and legal experience, and skill, at interpreting complex chemical regulations to design and implement effective policies to protect client's products.

**Herb Estreicher**

Partner, Keller and Heckman LLP, USA

Dr. Estreicher has an interdisciplinary approach combining law and science. He represents leading manufacturers of chemicals, pesticides, insect repellents, food additives, and consumer products before Federal and State regulatory agencies.

**Richard Denison**

Lead Senior Scientist, EDF, USA

Richard A. Denison, Ph.D., has 35 years of experience in the environmental arena, specializing in policy, hazard and risk science and policy for industrial and consumer chemicals. For many years Richard played a central role in pressing for reform of the Toxic Substances Control Act and represented EDF in its advocacy work to secure passage in 2016 of the Lautenberg Act that overhauled TSCA for the first time since its passage in 1976. He now leads EDF's team working to secure strong implementation of the Lautenberg Act.

**Adriana Jalba**

Director Advocacy EU, ICL Industrial Products, Belgium

As Director of EU Advocacy at ICL-IP, Adriana helps business better understand and navigate the emerging policy landscape in Europe. She started as a scientist in academia, and in a career spanning over 20 years her work encompassed science, R&D, Regulatory Affairs, Public Affairs and Advocacy with several universities, private companies and Cefic. In the period of rising REACH-like regulations around the world, her work was pivotal in representing the interests of Cefic globally. Adriana is currently the Chair of the Board of Directors of Flame Retardants Europe.

**Mike Easter**

Principal, EnSight, USA

Mike Easter is a Principal at EnSIGHT and provides toxicology and risk assessment support. He has been involved with Proposition 65 since the late 1980's and assists clients with Proposition 65 compliance and litigation defense, including one of the few Proposition 65 cases reaching the Court of Appeals, DiPirro v. Bondo.

**Mary Ellen Perkin**

Manager - Consumer and Cleaning Products, Industrial Sectors, Chemicals and Waste Directorate, Environment and Climate Change Canada

Mary Ellen Perkin is the manager of Consumer and Cleaning Products within the Products Division at Canada's Department of the Environment and Climate Change. Mary Ellen joined the department in 1996 and holds a degree in Chemical Engineering. Mary Ellen's team is team responsible for the administration and development of regulatory controls for substances used in the cleaning products, dry cleaning, cosmetics, and adhesives industries. Her team works on a number of files under Canada's Chemical Management Plan.



08:15 Bombarded by chemicals compliance requirements? Stop and come up for air (optional session)

Join the Chemical Watch new service demonstration

Breakfast session with pastries hosted by Tassia Agatowski in the Chemical Watch demo area (the Stoclet Room).

Session 3 - Developments from Asia

Chair: Nhat Nguyen, Chief Analyst, Chemical Watch, US

09:00 **China: Regulatory updates**

Heng Li, Associate, Mayer Brown, China

09:30 **Updates to Japanese chemical regulatory requirements**

David Esdaile, Director of Science and Regulatory Affairs, Citoxlab Hungary

10:00 **South Korea**

Oliver Weiss, Researcher, KIST Europe, Germany

10:30 **Q&A**

10:45 **Refreshments**

11:00 **Australia**

Nhat Nguyen, Chief Analyst, Chemical Watch, USA

11:30 **ASEAN developments, including Thailand and the Philippines**

Gunnar Kahl, Managing Director, Dr Knoell Consult Thai Co.

12:00 **Taiwan**

Dr. Yi-Kuen Liu, Director of Comprehensive Planning Division, Toxic and Chemical Substances (TCSB) EPA, Taiwan

12:30 **Q&A**

12:45 **Lunch**

Session 4: Other Global Developments

Chair: Andrew Turley, Science Editor, Chemical Watch, UK

13:45 **South America**

Daniel Rios, Hazmat Compliance Manager LATAM, Givaudan, Argentina

14:15 **Eurasia REACH**

Olesia Pochapska, Senior Consulting Manager REACHLaw, Finland

14:45 **Africa: Demography, development and chemical management**

Veronique Garny, Director of Product Stewardship, CEFIC, Belgium

15:15 **Q&A**

15:30 **Refreshments**

15:45 **Turkey REACH**

Yaprak Yüzak Küçükvar, REACH Global Services, Turkey

16:15 **India**

Rajesh Ramamurthy, Vice President & Regional Head – Product Stewardship Asia, Archroma India Pvt Limited, India

16:45 **Q&A**

17:00 **Conclusion and conference summary**

Andrew Turley, Science Editor, Chemical Watch, UK

17:15 **Close of conference**

Our speakers – day two



Heng Li

Associate, Mayer Brown, China

Heng Li is a Senior Associate with the law firm Mayer Brown in Beijing. Her practice focuses on product regulatory law. Heng is experienced in regulatory issues with respect to chemicals and sector specific legislation in Mainland China, Taiwan and other Asian countries.



David Esdaile

Director of Science and Regulatory Affairs, Citoxlab Hungary

David has over 40 years experience in Agrochemical Toxicology. As head of toxicology at Shell Research in Sittingbourne, in the UK, then as head of predictive and explanatory toxicology at the Sophia Antipolis research centre (Rhône Poulenc, Aventis, then Bayer Cropscience) and as Director of Science and Regulatory Affairs at Citoxlab in Hungary (now Charles River).



Oliver Weiss

Researcher, KIST Europe, Germany

Oliver Weiss has been working for the Korea Institute of Science and Technology (KIST) Europe since 2009 as a Researcher. He started in 2009 in the field of international cooperation between Korea and Europe. Since 2011 he has been acting REACH manager for several Korean Chemical Manufacturers and supporting their REACH and REACH-related requirements. In 2015 KIST Europe started together with its partners in Korea and Europe preparations for K-REACH and K-BPR.



Nhat Nguyen

Chief Analyst, Chemical Watch, USA

Nhat Nguyen is a US licensed attorney with over 9 years of global regulatory compliance. He currently serves as the Chief Analyst for Chemical Watch and leads a new department which provides further insights and solutions to Chemical Watch's customers on regulatory compliance, technology and scientific data regarding chemical and chemical products.



Gunnar Kahl

Managing Director, Dr Knoell Consult Thai Co.

Gunnar Kahl studied Geoecology in Braunschweig (Germany). Then he worked 2 years at BASF in Limburgerhof (Germany) and from 2008 he joined Knoell Consult in Germany as an Environmental Fate Modelling Expert for 4 years. In 2012 he was appointed to head the Knoell Consult Thai office in Chiang Mai taking care of chemical registrations in the ASEAN countries.



Dr. Yi-Kuen Liu

Director of Comprehensive Planning Division, Toxic and Chemical Substances (TCSB) EPA, Taiwan

During the past decades, Yi-Kuen's job focused on waste management and environmental inspection in Taiwan EPA. Now he works at the Bureau of Toxic and Chemical Substances (TCSB) EPA and is responsible for toxic chemicals management, coordination and cooperation with multi-ministries on the chemicals management issue. The registration system of chemical substances had been established since 2014 in Taiwan and The Toxic and Concerned Chemical Substances Control Act (TCCSA) had been amended and will be effective on 16th January, 2020.



Andrew Turley

Science Editor, Chemical Watch, UK

Andrew has a background in chemistry, magazine publishing and chemical hazard regulations. From 2010 to 2014, he was the deputy editor at Chemistry World, the flagship magazine of the Royal Society of Chemistry. Since then, he has worked as a consultant on a range of projects relating to science communication, EU policy and REACH.



Daniel Rios

Hazmat Compliance Manager LATAM, Givaudan, Argentina

Brazilian, based in Buenos Aires, Argentina, and working for Givaudan, Flavors & Fragrances, as Hazmat Compliance Manager for Latin America, with more than 10 years of experience with EHS Regulatory Compliance and Chemical Regulations.



Olesia Pochapska

Senior Consulting Manager REACHLaw, Finland

Olesia (MA International Law, BBA International Business) is an experienced chemical regulatory consultant working with chemicals regulations from 2010. Main areas of expertise: REACH and REACH-like regulations worldwide. She has worked as a consultant and in various project management roles with multiple international corporations and representatives of SME business helping them to achieve their compliance goals in the most efficient way. Olesia has extensive experience from different industries, including chemical, petrochemical and metals.



Veronique Garny

Director of Product Stewardship, CEFIC, Belgium

Veronique Garny, a pharmacist and toxicologist, has been working in the field of pharmaceutical research and development since 1980, before joining the chemical company Solvay as product toxicology research coordinator. In 1996, she joined Cefic, the European Chemical Industry Council, to manage scientific and regulatory issues for the chlorine and

fluorine sectors after which she became responsible for product stewardship and took care of diverse topics like nanomaterials, product sustainability, CLP and later on international chemicals management.



Yaprak Yüzak Küçükvar

REACH Global Services, Turkey

Yaprak Yüzak Küçükvar has been managing the RGS Turkey Office since 2008. With almost 15 consecutive years in regulatory compliance, 11 of which focused on chemicals management policy in the EU and Turkey, she has in-depth knowledge of EU REACH, Cosmetics Regulations and Turkish chemicals legislation.



Rajesh Ramamurthy

Vice President & Regional Head – Product Stewardship Asia, Archroma India Pvt Limited, India

Rajesh completed his Ph.D. in Organic Chemistry from UDCT, Mumbai (Currently referred as ICT) a globally acclaimed premier institute for Chemical Engineering and Technology. During his 18 year career he has good experience in Basic research in search new chromophores for Dyes & Pigments and development activity involving different variety of Surfactants, catering to diverse industries like Coating, Plastics, Ink & textile industries to name a few. During his stint in Clariant, Rajesh has worked in Global Research Projects, where he developed a new Red Pigment C.I. Pigment Red 285 which was patented by Clariant.



Is your disinfectant ready to fight farm threats?

We test and prove:

- Effectivity in preventing spread of viral diseases on farms: ASF, FMD, and AI
- Compliance with regulatory requirements for every country

www.wur.eu/disinfectants



WAGENINGEN
UNIVERSITY & RESEARCH

NCEC
Part of Ricardo

Enabling businesses to comply with complex global regulations

With more than 45 years of experience, NCEC is ideally placed to guide its clients through the complicated processes of maintaining global regulatory compliance.

- We run a global, multilingual, 24/7 emergency response helpline, available 365 days a year, including China through our partnership with NRCC. We are also aligned to the cefic best practice guidelines.
- We offer a full poison centre notification service for companies who have an obligation to notify their hazardous mixtures and biocides.
- Our services are aligned to the principles of Responsible Care® and corporate social responsibility.
- NCEC is a REACH Ready approved supplier – we are certified to provide technical guidance on all aspects of compliance with REACH legislation.
- We now offer services in environmental hazards and risks to provide you with help on all facets of environmental chemical safety assessment.
- Our regulatory experts work very closely with various government bodies and trade associations such as ECHA and Concawe, helping to shape regulatory policies.

Attend Caroline Raine's
(Associate Director – Regulatory)
session on Poison Centres:
Article 45 of CLP,
to learn more about how
NCEC can help support you.

the-ncec.com

ncec@ricardo.com

+44 (0) 1235 753654



knoell

worldwide
registration


Regulatory Chemical Compliance: Think Globally – Act Locally

We provide a wide range of regulatory consulting and support serving global chemicals markets. Whether it's the preparation of documents or authority communications or strategic advice to ensure the marketability of your products, knoell should be your partner of choice. **Contact us today!**

knoell Germany GmbH

Konrad-Zuse-Ring 25 ▶ 68163 Mannheim ▶ Tel. +49 621 718858-0 ▶ info@knoell.com

www.knoell.com



Manage your EHS processes digitally.

Quentic is the software solution that connects all EHS and CSR specialists, tasks and information — greatly simplifying the process for everyone involved. Engage employees across locations, improve the exchange among team members and achieve excellent results.

- Get started online via browser or app
- Optimize transparency and workflows
- Achieve certifications easily
- Ensure compliance
- For multilingual and international use

Get to know Quentic without obligation and free of charge.
Webinars, videos and demo:
www.quentic.com



Quentic
connect. engage. inspire.



Providing Chemical Regulatory Compliance

- REACH AUTHORISATION
- REACH REGISTRATIONS
- ONLY REPRESENTATION
- REGISTRATION MAINTENANCE SERVICE
- GLOBAL REGISTRATIONS & NOTIFICATIONS
- SDS/eSDS PREPARATION
- OUT-SOURCING
- CONSULTING & LEGAL SERVICES

UK REACH & CLP

RUSSIA REACH

KOREA REACH & GHS

EU REACH & CLP

CHINA REACH & GHS

TURKEY KKDİK

WWW.REACHLAW.FI

HELSINKI • BRUSSELS • LONDON • NEW DELHI • ISTANBUL

One-stop service - world-class, worldwide

Unmatched multidisciplinary environmental science expertise

Eurofins Regulatory Science Services brings together global, multi-disciplined research capabilities with market-leading product development and technical support services. We provide an end-to-end solution for product registration combining science, technology and know-how.

We provide a full range of GLP-compliant environmental safety services for:

- Pharmaceutical and Veterinary Medicines
- Agrochemicals
- Industrial Chemicals
- Biocides
- Consumer products



Extend your reach.

Achieving a successful registration for your chemicals is a complex, time-consuming process, so why settle for one market? Boost your return on investment and future-proof your compound with insight and careful planning from

the team at Charles River. Our global regulatory expertise and fully integrated testing capabilities will help you cost-effectively satisfy the requirements registration authorities around the world.

Learn more at www.criver.com/chemicals


charles river



Be the compliance superhero.

Veeva helps you prepare for any challenges in your way.

Veeva's regulatory, quality, and claims management solutions help chemical companies bring innovative, high quality products to market faster without compromising compliance.

Learn more at
industries.veeva.com/chemical

Veeva

Agility at the speed of your imagination.



REACH and CLP Essentials

4-8 November 2019

📍 Brussels, Belgium



Food Contact Regulations

5 November 2019

📍 Brussels, Belgium



TSCA Workshop

6-8 November 2019

📍 Arlington, Virginia, United States



K-REACH Regulation (South Korea)

22 November 2019

📍 Kuala Lumpur, Malaysia



A Practical Introduction to the Biocides Product Regulation

2 December 2019

📍 Vienna, Austria



Physical Chemical Properties and Analytical Methods for Biocidal Products

2 December 2019

📍 Vienna, Austria



Risk Assessment for Biocides

12-13 February 2020

📍 Germany



Guidance for Identifying Endocrine Disrupting Chemicals

14 February 2020

📍 Germany



Understanding the Content of SDSs/eSDSs

3-4 March 2020

📍 London, United Kingdom



Chemistry for the
Non-Chemist



The Practical Guide to
Ecotoxicology and the
Environment



Beginner's Guide to
Toxicology (Version 2.0)



The Basics of
REACH Regulation



REACH in Practice



REACH, CLP & Safe
Use Communication

Training courses 2019



Risk Assessment
for Biocides

22-23 October
2019

📍 Mainz, Germany



Guidance for Identifying
Endocrine Disrupting
Chemicals

24 October
2019

📍 Mainz, Germany



Biocidal Product
Families

24 October
2019

📍 Mainz, Germany



Regulatory Summit USA 2019

4-5 November
2019

📍 Washington, DC, US



Regulatory Summit Asia 2019

19-21 November
2019

📍 Kuala Lumpur, Malaysia



REACH Substance Evaluation 2019

28 November
2019

📍 Brussels, Belgium



Biocides Europe 2019

3-4 December
2019

📍 Vienna, Austria



Food Contact Regulations Europe 2020

11-12 February
2020

📍 Brussels, Belgium



Global Business Summit Asia 2020

25-27 February
2020

📍 Kuala Lumpur, Malaysia



Food Contact Regulations USA 2020

9-10 March
2020

📍 Washington, DC, US

“

Very well organised,
great presentation
and very informative
content

”

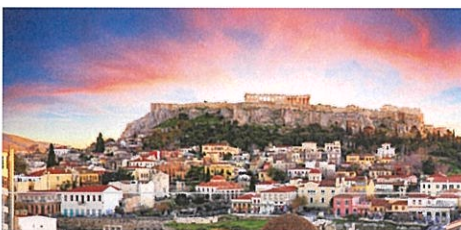
Glen House
Gougeon Brothers Inc



Global Business Summit Europe 2020

25-27 March
2020

📍 Amsterdam, Netherlands




Biocides Symposium 2020

12-13 May
2020

📍 Athens, Greece

“Good and useful
information presented
by excellent speakers –
not only in clarity,
but also content”

Karon Armstrong
3M



For more information and to book onto any of our events
please visit events.chemicalwatch.com

Regulatory Summit Europe 2019

Bulletin

Welcome to the inaugural Regulatory Summit Europe! We hope you enjoy your time at this year's event. We thought we'd take this opportunity to share with you some of our recent editorial coverage, focusing on the many issues that are being addressed at the Summit.

In this bulletin, you will find a selection of extracts from recent articles about some of the biggest regulatory issues in Europe, Asia, North America and the rest of the world. Every week our award-winning team of expert journalists publishes dozens of articles designed to keep you completely up to date and help you unlock the full value of compliance within your organisation.

If you're an Advance or Essential member of Chemical Watch, you'll be able to read all these articles in full by logging in to our website. If you're not, and you'd like to find out more about how you can benefit from our award-winning coverage, please don't hesitate to visit the Chemical Watch stand while you're here, or visit chemicalwatch.com.

EUROPE

Industry challenges 'unnecessary' proposed REACH data requirement changes

**Concerns that 'vague' Echa-
Commission plan will penalise
compliant registrants**

25 September 2019

A proposal by Echa and the European Commission to make changes concerning data requirements listed in REACH annexes will add to the "burden" of dossier compliance activities, Cefic and oil industry association Concawe have said.

The proposal is part of a joint Echa-European Commission plan, published in June, to improve REACH dossier compliance. It sets 15 actions, including two on amendments to the Annexes, which require the Commission by the end of the year to:

- assess the need to amend REACH Annexes VI to X to provide greater clarity to the information requirements of dossiers; and
- evaluate if amending REACH Annex XI would be necessary to ensure that adaptations to standard information requirements are properly justified.

The plan came after member states applied pressure on the EU executive to put measures in place to ensure registrants actively perform ongoing dossier duties.

Echa issues notification obligations for SVHCs in articles database

**Information to be provided by
producers, importers and suppliers**

09 September 2019

Echa has published information requirements for its upcoming SVHC database.

Stipulated under the revised waste framework Directive (WFD), the database will contain information provided by companies producing, importing or supplying articles that contain REACH candidate list substances.

They must start submitting the following from 5 January 2021 onwards:

- information that allows the article to be identified;
- the name, concentration range and location of the SVHC in the article; and possibly

- other information on the article's safe use.

The data will inform waste operators about hazardous substances in the waste they process so that material streams can "potentially be 'cleaned' before recycling and reused in the production of new articles to ensure a true and safe circular economy", the agency says.

NORTH AMERICA

EPA faces lawsuit over TSCA new chemicals programme transparency

**Group pushes for more disclosure of
PMN and TME submissions**

16 September 2019

Five environmental organisations and a labour union have signalled plans to sue the US EPA over its "repeated and ongoing failures" to comply with TSCA's mandate to publicly disclose information about new chemicals reviews.

The 2016 amendments to TSCA require that the agency disclose receipt of new chemicals applications – including pre-manufacture notices (PMNs) and test marketing exemptions (TMEs) – within

five days, and then subsequently make the notice and accompanying documentation available for examination by the public.

But in a 3 September notice of intent (NOI) to sue filed by Earthjustice on behalf of the six organisations, it says "despite the unambiguous language of the statutory provisions and EPA's implementing regulations, EPA routinely fails to disclose the information as mandated by TSCA."

Washington state floats potential priority product candidates

Building materials, thermal paper, electronics and fragrances eyed under state's new programme

19 September 2019

Washington state's Department of Ecology (ECY) has identified flooring materials, detergents, electronics, printing inks and can linings among the products it is considering for action under its newly established consumer products scheme.

Under the state's Safer Products for Washington programme, ECY must identify a set of priority products containing specific chemicals of high concern. Once the list is finalised, the department will determine whether to impose restrictions or require reporting, or if no regulatory actions are merited.

ASIA

China issues updated draft of chemical framework overhaul

Maximum CBI deadline introduced, plus updates on reporting and exemptions

05 September 2019

China's ecology and environment ministry (MEE) has released an updated draft of the Environmental Risk Assessment and Control Regulation for Chemical Substances.

The ministry notified the WTO of the update on 2 September, having issued a first draft for public comment in January.

Once agreed, it will become China's overarching chemical framework, managing both new and existing chemical substances, and sitting above the country's main chemical law – MEP Order 7 – the Measures on the Environmental Management of New Chemical Substances.

The draft Regulation is similar to TSCA in the US, or Japan's Chemical Substances Control Law (CSCL), in that it would require pre-market approval of new substances and risk evaluation of certain existing substances.

South Korea publishes draft K-REACH revision in midst of Japan trade dispute

Relaxes new substance registration rules with R&D exemptions

28 August 2019

South Korea's Ministry of Environment (MoE) has published a draft revision to the K-REACH implementation rules. If approved, the changes will affect new substance registration requirements and R&D exemptions.

The proposed revisions, published on 26 August, aim to speed up the introduction of new substances for companies facing supply chain problems as a result of the ongoing dispute with Japan.

While the new rules will apply to all new substances, the ministry is keen to prioritise finding alternatives for existing ones that face potential supply difficulties and which may cause delays to manufacturing. Companies must apply to the Ministry of Trade and Industry (Motie), which will review applications and decide whether a substance qualifies for inclusion under the revised rules.

The MoE stresses the changes are exceptional and temporary – they will apply only until 31 December 2021.

REST OF THE WORLD

Eurasian Economic Union to start chemical inventory information collection

But questions remain over process and precise timing

28 August 2019

The Eurasian Economic Union has told industry it must begin providing information for an inventory on the chemicals they produce.

The inventory forms part of the EEU's plans to establish a register of substances and mixtures within its five member countries:

Armenia, Belarus, Kazakhstan, Kyrgyzstan and Russia.

In a note to July's sub-committee meeting of UN GHS experts in Geneva, the Russian Federation said the process of inventory information collection would begin on 10 August.

However, commentators say the process has not yet begun and that the deadline is more of an indicative date. The economic bloc has been working on a chemicals management plan since 2013, but necessary secondary legislation still needs to be approved. Until this happens, there is some uncertainty about whether the register can move forward.

Saicm's funding arm to end operations amid post-2020 discussions

Quick Start Programme distributed \$50 million across 184 projects

19 September 2019

The financial mechanism for Saicm – the UN's programme on international chemicals management – will end its operations this year, as negotiations continue about whether the voluntary scheme should continue beyond its 2020 mandate, evolve or be replaced with an alternative framework.

Since 2006, Saicm's financial arm, the Quick Start Programme (QSP), has put around \$50m from a multi-donor trust fund into 184 projects globally. The projects have all aimed to help governments and other stakeholders implement Saicm's goals for chemicals management.

In particular, QSP projects focused on initial capacity building in developing countries, such as:

- developing national chemical profiles;
- strengthening national chemicals management institutions; and
- integrating sound chemicals management into countries' overarching development policies.

As negotiations continue, stakeholders have acknowledged that Saicm's goal of achieving the sound management of chemicals by 2020 will not be reached – and a lack of financial resources is one commonly cited reason.

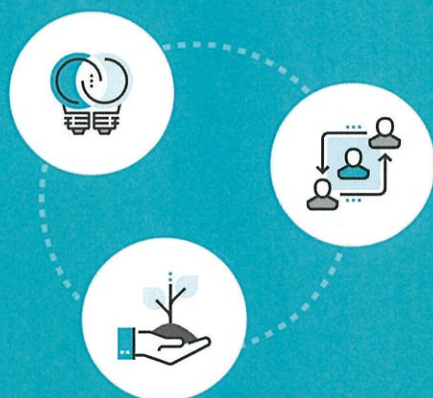


Chemical Watch

Intelligence to transform product safety

Chemical Watch is the leading global provider of independent intelligence and insight for product safety professionals managing chemicals.

We empower our members to transform product safety management and unlock the full value of regulatory compliance within their business.



Inform. Connect. Transform.

Inform: the latest, most comprehensive intelligence and opinion. Keep pace with chemical regulatory developments, policy and best practice across the world. Manage the risks of non-compliance.

Connect: the world's largest, most influential network of chemical management experts and world-leading events. Valuable connections, knowledge sharing and forward planning.

Transform: analysis, tools and training to benchmark performance, enhance your team's expertise, optimise your compliance function and unlock its full value.

Empower your business, create safer products...

- **Improved visibility:** see what's coming, avoid missing business-critical developments
- Get a clear understanding of **regulatory developments and complexities** and their implications for your business, its products, customers and your supply chain
- More confident, better-informed strategic and tactical **decision-making**
- **Better connections**, information sharing and benchmarking within your organisation, with industry peers, and across your supply chain
- **Enhance the profile** of the compliance function within your organisation
- Move your compliance effort toward best practice – from cost centre to **value driver**
- Achieve effective risk management and mitigation, **safer products** and support sustainability goals

home.chemicalwatch.com





Transform your product safety management

Our new membership provides you and your colleagues with unlimited use of our new class-leading platform and the latest tools and resources to help you stay ahead of the evolving chemicals management agenda.

Select a level of service that suits your needs and receive dedicated support from our experienced team to ensure you get full value from your membership.

Plus choose from a range of customisable elements including bespoke analyst projects, places at our conferences, training and eLearning programmes, and access to our analyst helpdesk.



News and insight

Award-winning essential news and insight to inform your product safety strategy

At the heart of the Chemical Watch service lies our **world-class intelligence and insight** offering a 360-degree view to monitor and track developments.

Timely, in-depth, impartial and easy to understand, we provide a truly global coverage that ensures you don't miss business-critical developments.

Leveraging our unique network of contacts, we **dig deeper** into the issues, developments, challenges and influencers giving you a complete understanding.



Resources

Extensive range of resources saving time and arming your team with the intelligence it needs

A well-stocked **reference library** of legislation, guidance and translations.

Strategic global compliance tools including global GHS and RoHS/WEEE comparisons and a US state tracker.

Practical compliance resources to support your understanding and implementation of compliance requirements.

Expert analysis, horizon-scanning and interpretation giving you expert advice to optimise your approaches.



Tools and directories

Ensure you and your team can **work efficiently and succeed** with a wide range of practical tools and directories including databases, directories on chemical management software and service providers, and listings for the latest job opportunities, industry events and company news.



Networking and development

Hear the very latest thinking and **develop and maintain your team's professional skills** with our exclusive professional networking & development content and opportunities. Benefit from our annual series of international conferences, workshops, livestreams, premium recordings, webinars, training and eLearning courses.



Custom insight

Exclusive access to our expert analyst team, helping you to overcome issues and make progress. **Submit your questions directly** to our analyst team and receive prompt, actionable responses, draw upon our analysts for **custom insights** and engage our analysts to help interpret and action your results from our diagnostic process.



Class-leading platform

Our newly designed online platform makes it easier than ever to **find, organise and share content within your organisation**. Navigate content by regions, topics, sectors and substance groups, create personalised content views, pinpoint specific items of interest using **powerful search/filtration tools**, set up notifications and create collaborative groups.

Become a Chemical Watch member

Discover how the Chemical Watch membership can transform your compliance and product stewardship functions into a driving force for your business. Learn more or request a demo today...

EU: +44 (0)1743 818 292 | US/Canada: +1 (202) 803 5869
cw.sales@chemicalwatch.com
home.chemicalwatch.com

Delegate list

Agatowski Tassia, Chemical Watch,
United Kingdom

Alami Badissi Anissa, EURIMA
European Insulation Manufacturers
Association, Belgium

Alenius Karin, Volvo, Sweden

Alexander-White Camilla, Royal
Society of Chemistry, United Kingdom

Allard Miadana, Merck & Co (MSD),
France

Almasri Moayad, Sekisui Diagnostics,
United Kingdom

Andruchow Janca, Orkla, Norway

Ayas Zuleyha, Chromaflo
Technologies, Switzerland

Bach Rikke, Novo Nordisk A/S,
Denmark

Bekker Carlee, Sheritt International,
Canada

Bell Susan, General Electric GE,
Belgium

Belska Kate, Cobalt REACH
Consortium, United Kingdom

Bethlehem Martijn, Veeva,
Netherlands

Biring Mel, Lubrizol, United Kingdom

Boillot Florie, Corteva Agriscience,
Belgium

Bossuyt Bart, Huntsman, Belgium

Boston Helen, Scott Bader, United
Kingdom

Brough Colin, Tokyo Electron, United
Kingdom

Brunet-Cambus Chrystel,
Schlumberger, France

Busson Philippe, GE Healthcare Life
Sciences, Sweden

Caldeira Steve, Household and
Commercial Products Association,
United States

Cheung Francis, British American
Tobacco, United Kingdom

Chynoweth Emma, Chemical
Watch, United Kingdom

Cirera Rosa, Fluidra, Spain

Cognat Flore, Exxon Mobil, Belgium

Cunningham Emma, Ricardo
Energy & Environment, United
Kingdom

D.Keizer Gerrit, University of
Wageningen, Netherlands

Dalal Priyank, Gujarat
Fluorochemicals GmbH, Germany

Daly Aideen, British American
Tobacco, United Kingdom

Das Nihar, IDS Infotech, India

Da Silvia Emilie, Det Nationale
Forskningscenter for Arbejdsmiljø
(NFA), Denmark

Davrenova Nursulu, Verisk 3E,
Denmark

Dawick James, Innospec, United
Kingdom

de-avila Cristina, European
Commission - DG environment,
Belgium

de Klein Daisy, No Website,
Netherlands

Demircan Emir, SEMI, Germany

Denison Richard, Environmental
Defense Fund (EDF), United States

Dereskeviciute Raminta, K L Gates,
United Kingdom

Dessi Roberta, IKEA, Sweden

Dicks Phil, Claigan, Canada

Diedrich Christine, Alfa Laval,
Sweden

Di Martino Audrey, Solvay, France

Ditkovskiy Oleg, ISC3, Germany

Duvivier Virginie, ESSILOR, France

Easter Michael, EnSIGHT, United
States

Egeröd Hanna, Essity Hygiene and
Health AB, Sweden

Ekvy-hansen Emelie, Bona, Sweden

Esdaile David, Citox, Hungary

Estreicher Herbert, Keller &
Heckman LLP, United States

Fedrigio-Fazio Doreen, Ecostandard,
Belgium

Ferreres Marta, Grupo AC MARCA,
Spain

Fitzner Felix, Veeva, Germany

Flage-Larsen Lise-Lotte, Equinor,
Norway

Flamang Johannes, TVH Parts
Holding, Belgium

Foxon Stuart, Chemical Watch,
United Kingdom

Fuchs Jan, TetraPak, Germany

Fuchs Laetitia, Newell Brands,
France

Ganz Ingo, The LYCRA Company,
Germany

Garcia Cristina, Chemical Watch,
Portugal

Garny Veronique, CEFIC, Belgium

Gärtner Dima, UL, Belgium

Germain Caroline, Shepherd
Mirecourt, France

Gestautas Sally, Raytheon, United
States

Gorodnitskaya Oxana, UGMK, Russia	Kean Helen, Anthesis, United Kingdom	Martinez Cristina, Firmenich, Spain
Guerault Nadege, Arkema Group, France	Kelly Lisa, Chemical Watch, United Kingdom	Martinez Maria, No Website, United Kingdom
Haacke Danny, Knoell NL B.V., Netherlands	Klett Christian, Opesus, United Kingdom	Marzola Stefano, SKF Group, United Kingdom
Haezebrouck Petra, Proviron, Belgium	Knauf Ralf, CentroREACH, Italy	McGurran Ashling, PepsiCo Ireland, Ireland
Hanika Sascha, Quentic, Germany	Kostamo Auli, Sweco, Finland	McKellar-Smythe Thomas, IGM Resins, United Kingdom
Hardy Emilie, Aisin Group, Belgium	Kowalska Anna, ASML, Netherlands	Meagher Dean, Reagecon, Ireland
Harpillard Francois, Groupe Roullier, France	Kroese Michiel, University of Wageningen, Netherlands	Meisters Marie-Louise, Corteva Agriscience, Belgium
Harvey Howard, Verisk 3E, Belgium	Küçükvar Yaprak Yüzak, REACH Global Services, Turkey	Mereu Claudio, Fieldfisher, Belgium
Hayes Luke, Chemical Watch, United Kingdom	Kympers Henri, Quentic, Belgium	Mirza Abdullah, No Website, Saudi Arabia
Hinc Veronique, Michelin, Spain	Lai Michelle, British American Tobacco, United Kingdom	Mislin Carole, Archroma Management GmbH, Switzerland
Hoes Ruben, AGFA, Belgium	Lam Edyta, AGC Chemicals Europe, United Kingdom	Montfort Jean-Philippe, Mayer Brown, Belgium
Holmersson Rickard, Essity Hygiene and Health AB, Sweden	Lam Wing Sze, Lidl, Hong Kong	Moram Amy, Gurit, United Kingdom
Huang James, Troy Corporation, Netherlands	Lang Jonathan, Ricardo Energy & Environment, United Kingdom	Mussalo Johanna, Kotkamills, Finland
Huggins Krista, Struers, Denmark	Langen Dirk, UL, Germany	Navin-Jones Marcus, Keller & Heckman LLP, Belgium
Hüging Anna-Katharina, Schaefer Kalk GmbH & Co. KG, Germany	Lee Jonathan, ResMed, Australia	Nguyen Nhat, Chemical Watch, United States
Ihmels Ada Elida, Nabaltec, Germany	Lefranc Elisabeth, L'Oreal, France	Niemiec Charlotte, Chemical Watch, United Kingdom
Jackson Judy, Chemical Watch, United Kingdom	Le Marrec Jean-Hugues, Solvay, France	Nilsson Elna, IKEA, Sweden
Jackson Andrew, Leonardo, United Kingdom	Lemoine Sylvie, CEFIC, Belgium	Nylen Ahlinder Eva, Essity Hygiene and Health AB, Sweden
Jalba Adriana, ICL Group, Netherlands	Li Heng, Mayer Brown, China	Opdal Jan, Equinor, Norway
Janssen Karin, Kaneka, Belgium	Libberecht Sebastain, Umicore, Belgium	Pacini Barbara, Sealed Air, Italy
Johanson Frederik, REACHLaw, Finland	Liu Yi-Kuen, EPA Taiwan, Taiwan	Padro Mar, Firmenich, Spain
Jolink Marsha, AkzoNobel, Netherlands	Lohrey Marc, CHT/BEZEMA, Germany	Parent Helene, Cosmo International Corp., France
Kahl Gunnar, Knoell GmbH, Thailand	MacGregor-Peralta Julia, Global Safety Management, United States	Paris Fanny, Solvay, France
Kakinuma Hirokazu, Canon Europe, United Kingdom	Machold Werner, BP, Germany	Parkes John, Eurofins, United Kingdom
Kapoor Ashita, OXO, United States	Madeley Lorna, Chemical Watch, United Kingdom	Parks Jem, Chemical Watch, United Kingdom
Kariawasam Peshala, ResMed, Australia	Mannella Alessia, Fuels Europe, Belgium	

Passarella Rose, Intertek, United States	Santos Tatiana, European Environmental Bureau, Belgium	Tripp Juliet, Chemical Watch, United Kingdom
Patel Mamta, Chemical Watch, United Kingdom	Schwarz Raphaël, Federation of the Swiss Watch Industry, Switzerland	Truong Dinh Nguyen, Total, France
Paulsson Christoffer, Perstorp, Sweden	Scully Chris, Claigan, Canada	Turley Andrew, Chemical Watch, United Kingdom
Peixoto Sabrina, Firmenich, France	Seoane Mellen Maria, Venator Materials UK, United Kingdom	Valentini Marco, ECHA, Finland
Perkin Mary Ellen, Environment and Climate Change Canada, Canada	Sevestre Herbelet Aurélie, CEHTRA, France	van Bel Dirk, Signify, Belgium
Pernot Véronique, Condat SA, France	Siebel Sabine, IOI Oleo GmbH, Germany	Van Der Veer Frits, Shell, Netherlands
Pochapska Olesia, REACHLaw, Finland	Slijkhuis Peter, Valvoline, Netherlands	Van Eyken Wouter, Atlas Copco, Belgium
Pollard Kevin, ECHA, Finland	Smith Neal, Afton Chemical, United Kingdom	Van Kerckhove Gunther, OCSiAl, Luxembourg
Poole George, Chemical Watch, United Kingdom	Söylemezoğlu Günce, Kansai Altan, Turkey	van Laanen Isabel, Charles River, Netherlands
Price Mark, Purolite Corporation, United Kingdom	Spriestersbach Karl-Heinz, Nabaltec, Germany	Vermeer Carla, Unilever, Netherlands
Prince Selwyn, Cotton On Group, Australia	Stark Sue, Kromachem, United Kingdom	Vernhes Julie, Inolex Chemical, France
Puri Vikram, IDS Infotech, India	Steinbrecher Angelika, iPoint Systems, Germany	Vinck Nadia, Euroalliances, Belgium
Raastad Inger, Yara, Norway	Stengaard Vibeke, Bjørn Thorsen, Denmark	Voordouw Çor, IGM Resins, Netherlands
Raduner Matthias, Brenntag, Germany	Steuer Shawn, Veeva, Germany	Vosteen Martina, Ramboll, Germany
Raine Caroline, Ricardo Energy & Environment, United Kingdom	Streicher Harald, Beiersdorf, Germany	Ward Jacob, Chemical Watch, United Kingdom
Ramamurthy Rajesh, Archroma Management GmbH, India	Sundqvist Maria, Mirka Ltd, Finland	Warhurst Michael, CHEM Trust, United Kingdom
Ramon Clara, iPoint Systems, Germany	Svalin Joel, IVL Swedish Environmental Research Institute, Sweden	Webster Alex, British American Tobacco, United Kingdom
Rasikari Heidi, ECHA, Finland	Szczygiel Patrice, Exxon Mobil, Belgium	Wegener Alexander, Opesud, Germany
Rios Daniel, Givaudan, Argentina	Szlezak Anna, FUJIFILM Holdings Corporation, United Kingdom	Weise Markus, Chemische Fabrik Budenheim KG, Germany
Roberts Geraint, Chemical Watch, United Kingdom	Tai Cho Yan, Lidl, Hong Kong	Weiss Oliver, Korea Institute of Science and Technology (KIST), Germany
Roblot Ophélie, Lesaffre, France	Tani Caterina, Chemical Watch, Belgium	Williamson Caroline, Dyson, United Kingdom
Roger Apolline, Client Earth, Belgium	Thomis Nadine, Yparex, Netherlands	Young Naomi, Koppers, United Kingdom
Rolland Mathieu, CEHTRA, France	Trebert Haeberlin Susanne, Shell, Germany	Zazvorkova Karolina, European Commission, Belgium
Root Natalia, Omya, Switzerland		Zimmer Malte-Matthias, CETS aisbl, Germany
Roovers Johan, Nedap, Netherlands		
Roque Audrey, Condat SA, France		
Saito Maki, Honda, Belgium		