

行政院所屬各機關出國報告（出國類別：會議）

參加 APEC 2019 第三次資深官員會議化  
學對話會議  
(APEC 2019 SOM3 CD)

服務機關：經濟部工業局民生化工組  
勞動部職業安全衛生署  
經濟部國際貿易局

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## 摘要

亞太經濟合作化學對話會議本次於智利（Chile）巴拉斯港（Puerto Varas）舉行，計有 5 場會議，分別為 8 月 23 日「拉丁美洲化學法規合作論壇(LATIN America Regulatory Cooperation Forum)」，8 月 24 日「風險評估能力建構工作坊(Workshop on Risk Assessment)」、「法規監管者論壇(Regulator Forum)」、「業界預備會議（Industry Pre-meeting）」及 8 月 25 日「化學品對話會議（Chemical Dialogue）」，共計為期 3 天。

拉丁美洲化學法規合作論壇針對聯合國國際化學品策略(SAICM)2020 年目標及 2020 後之全球良好化學品管理、全球性法規合作原則、國際法規合作之技術障礙(拉丁美洲觀點)、貿易協定促進法規合作之案例研究(美墨加協議,USMCA)、拉丁美洲非 APEC 成員國化學管理及國際合作現況分享。

風險評估能力建構工作坊由美國化學協會主辦，其先簡介毒理學及說明風險評估應注意事項，後以出題方式供與會者進行風險評估線上系統(HESI RISK21 Webtool)之實務練習及團隊報告。

法規監管者論壇(Regulator Forum) 旨在促進化學法規監管者之交流，重點工作包括法規更新、會員體執行國際化學協定之能力建構、推動化學品法規翻譯資料庫、利用論壇進行良好法規實務之簡報及經驗分享等。

業界預備會議是亞太地區化學工業產業界對話交流平台，由業界主席日本化學協會(JCIA)執行長 Mrs. Shinoi SAKATA 主持，會中法規合作、國際化學品分類與標示調和系統(GHS)、資訊交換及海洋廢棄物等四個虛擬工作小組之業界代表，報告本年工作成果及預計執行計畫重點。

化學對話會議(Cheical Dialogue, CD)之召開主要在建立公部門與私人企業對話交流平台，協助亞太地區性化學工業減少對環境及法規之衝擊，並積極面對未來之挑戰，

由政府主席美國貿易代表署(USTR)Kent Shigetomi 及業界主席日本化學協會 Dr. (Ms.) Shinoi Sakata 共同主持，今年仍依循現行主要三個共同目標策略框架進行討論。

出席本次大會廣泛收集各國化學品管理法規更新進度及使用相關管理工具，不僅可了解亞太經濟體化學品管理走向，更有助於國內化學品管理與國際調和，以降低非關稅貿易障礙壁壘。

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## 壹、前言

APEC 貿易暨投資委員會(CTI3)及其項下之「化學對話會議(Cheical Dialogue, CD)」歷年來主要運作方式以共識決推動共同關注議題與計畫，主導會員國會與成員國事前溝通以取得共識與支持，主要關注國際法規與標準調和、非關稅技術壁壘、聯合國 GHS 分類與標示調和制度推動、歐盟 REACH 法規因應、以及各國管理法規內具與合作為主要議題。

由於化學工業為跨領域產業，且化學產品為全球貿易主要產品，影響層面廣泛，召開 CD 會議主要在建立公部門與私人企業對話交流平台，協助亞太地區化學工業減少包含環境及法規之衝擊，並積極面對未來之挑戰。CD 會議依循現行主要三個共同目標策略框架進行討論：

**共同目標 1：**為促進貿易，擴展並支持區域化學品的相互合作與承認

(SHARED GOAL 1: TO FACILITATE TRADE BY EXPANDING AND SUPPORTING REGULATORY COOPERATION AND MUTUAL RECOGNITION IN THE REGION)

**共同目標 2：**提升化學品業者作為創新解決方案提供者角色的認識

(SHARED GOAL 2: TO PROMOTE UNDERSTANDING OF THE CHEMICAL INDUSTRY' S ROLE AS A PROVIDER OF INNOVATIVE SOLUTIONS FOR SUSTAINABLE ECONOMIC, ENVIRONMENTAL, AND SOCIAL DEVELOPMENT)

**共同目標 3：**使產業與政府部門有效合作，以增進化學產品管理與安全使用

(SHARED GOAL 3: TO ENABLE EFFECTIVE COOPERATION BETWEEN INDUSTRY AND GOVERNMENTS TO IMPROVE CHEMICAL PRODUCT STEWARDSHIP AND SAFE USE)

CD 會議關注的焦點在法規架構所面對的挑戰，包括平衡貿易保護所帶來之地區發展差距，促進資訊公開及交流，同時加強與國際化學議程(International Chemical Agenda)工作內容之整合，實現聯合國國際化學品管理策略(SAICM)，重要的 CD 會議工作包括：

- 一、法規監管者論壇(Regulator Forum)
- 二、法規收斂及合作虛擬工作小組(VWGRCC)
- 三、GHS 虛擬工作小組(VWGGHS)
- 四、資訊分享虛擬工作小組(VWGDE)
- 五、海洋廢棄物小組虛擬工作小組(MDVWG)
- 六、區域及個別經濟體法規管理之資訊交換

## 貳、目的

- 一、報告我國協助建置資訊交換網站(GHS Reference Exchange and Tool, G.R.E.A.T)之執行成果及未來修正動態。
- 二、簡報「永續塑膠生態系統-商業模式創新及科技之最佳實踐分享」之提案，旨在創立海洋塑膠廢棄物之價值鏈，協助 APEC 會員國建立有利潤之商業模式以達永續成長。
- 三、說明我國化學品管理制度的重點執行進度、未來我國相關化學物質資訊要求及相關法規實施期程的規劃。
- 四、收集國際化學品管理新知，加強與各會員體或 APEC 工作小組之合作，進而提升區域性化學品管理發展成效。

## 參、出席會議過程

日數	日期	行程
第1日	108/08/20(二)	桃園（出發）～ 澳洲(雪梨)
第2日	108/08/21(三)	澳洲(雪梨)（抵達）
第3日	108/08/22(四)	澳洲(雪梨)（出發）～ 智利(聖地牙哥)（出發） ～ 智利(蒙特港)～ 智利(巴拉斯港)
第4日	108/08/23(五) 08:30 - 18:00	拉丁美洲化學法規合作論壇(LATIN America Regulatory Cooperation Forum)
第5日	108/08/24(六) 08:30 - 12:30	風險評估能力建構工作坊(Workshop on Risk Assessment)
第5日	108/08/24(六) 13:30 - 15:30	法規監管者論壇(Regulator Forum)
第5日	108/08/24(六) 16:00 - 18:00	與業界預備會議（ Industry' s Pre-meeting, IPM）。
第6日	108/08/25(日) 09:00 - 18:45	化學對話會議(Cheical Dialogue, CD)會議
第7日	108/08/26(一)	智利(巴拉斯港)（出發）～ 智利(蒙特港)～ 智利(聖地牙哥)
第8日	108/08/27(二)	智利(聖地牙哥)（出發）～ 澳洲(雪梨)
第9日	108/08/28(三)	澳洲(雪梨)（出發）
第10日	108/08/29(四)	澳洲(雪梨)～ 桃園(抵達)

## 肆、主要心得

今(108)年度 APEC SOM III Chemical Dialogue 於 8 月 24 日下午 4 時智利巴拉斯港召開業界預備會議 (Industry Pre-meeting, IPM)，並於 8 月 25 日正式進行化學對話 (Chemical Dialogue, CD) 會議。本次與會代表來自澳洲、智利、印尼、日本、韓國、馬來西亞、墨西哥、菲律賓、秘魯、俄羅斯、美國、新加坡及我國出席，另加拿大以網路會議方式參與，計有 14 個會員體之政府與業界代表出席，達法定出席人數。

另 8 月 23 日舉行拉丁美洲化學法規合作論壇，8 月 24 日上午辦理風險評估能力建構工作坊及 8 月 24 日下午 1 時 30 分召開法規監管者論壇。

### 一、拉丁美洲化學法規合作論壇 (LATIN America Regulatory Cooperation Forum)

參加該論壇計有澳洲、智利、日本、秘魯、菲律賓、俄羅斯、美國、我國等政府及業界代表，另有阿根廷及巴西兩個非 APEC 經濟體代表出席。共有 6 項圓桌討論主題進行，包括國際化學品管理、SAICM、法規合作之障礙、貿易協定及雙邊機制促進法規合作、拉丁美洲法規合作現況，相關重要議題說明如下：

#### (一) 聯合國國際化學品策略 (SAICM) 2020 年目標及 2020 後之全球良好化學品管理 (Global Sound Management of Chemicals – Progress Towards SAICM Objectives and SAICM Beyond 2020)：

1. 由美國國際商會 (US Council for International Business, USCIB) 產品政策及創新部門副總裁 Michael Michener 主持討論。
2. 與會代表分別就國際、區域及國內等層次如何藉由化學品管理以推動 SAICM 2020 後目標進行說明。
3. 我國代表說明我環保署推動相關國內化學管理及註冊之修法，及與聯合國 SAICM 化學物質管理接軌並達永續發展目標 (SDGs)，並持續推動精進化學品全球調和制度 (GHS) 之施行。

#### (二) 全球性法規合作原則及良好之化學品管理 (Perspectives on Global Regulatory Cooperation Principles and Sound Management of Chemicals)：

1. 由美國石油學會(American Petroleum Institute, API)法規及科學事務部門經理 Derek Swick 主持，探討法規合作之重要性及優先性。
2. 其指出政府化學管理之政策制定並非完全基於科學證據。
3. 與會代表就發展中國家法規制定之挑戰、全球 GHS 施行情形、風險評估之能力建構等進行交流。

**(三) 國際法規合作之技術障礙－拉丁美洲觀點(Challenges on International Regulatory Cooperation－A Latin America's Regional Perspective)：**

1. 由巴西業界代表 Hazmat Compliance Manager LATAM－Daniel Rios 主持。
2. 其說明法規制定者常遭遇到之障礙包括人才及預算等資源有限、政治考量各異、政策制定過程缺乏國內產業特別是中小企業之參與、缺乏法規影響評估之經驗以及公部門相關國際合作經驗不足等。
3. 祕魯代表指出中南美洲政府部門缺乏技術專家，政府亦無足夠預算執行法規管理，建議應著手於政府部門之能力建構，並考量及協助中小企業經商需求。

**(四) 貿易協定促進法規合作之案例研究-美墨加協議(USMCA)：**

1. 美國化學協會國際貿易部門主任 Ed Brzytwa 主持討論。
2. 渠援引 USMCA 協議第 12 條 A.4 款提高法規相符性(締約方應致力使用及鼓勵風險評估工具在特定化學物質上的應用、當發展及修改或採認關於化學物質的管理措施時，應進行適當的通知)及第 12 條 A.5 款數據及資訊交換(定期交換關於各別風險評估方法的資訊、在保護商業機密的前提下提供現存相關化學物質的研究資訊)，邀集與會代表討論貿易協定納入上述機制對貿易及投資的好處。
3. 祕魯及智利等拉丁美洲代表關切該協定與國內法之調合問題，以及該機制是否可為貿易協定與化學法規合作之最佳範例，即便無貿易協定，會員國亦應鼓勵進行雙邊化學法規合作諮商，以達到防止貿易障礙及保護人類健康、安全及環境的目的。

**(五) 雙邊法規合作經驗分享：**

1. 澳洲業界代表(Accord 產業協會)法規改革部門主任 Ms. Dusanka Sabic 主持討論。



2. 以加拿大-澳洲在進行化學管理及評估之法規合作以及美國加拿大法規委員會 (US-Canada Regulatory Cooperation Council) 化學管理工作計畫為兩大案例研究，說明雙邊法規合作為重要趨勢且對政府及產業界帶來降低化學管理成本的好處。
3. 阿根廷代表以該國與西班牙進行列管污染源資料查詢系統 (PRTR) 合作案例回應上述雙邊合作機制。

#### (六) 拉丁美洲非 APEC 成員國化學管理及國際合作現況分享：

1. 由阿根廷環境部化學物質組組長 Ms. Alejandra Acosta 主持。
2. 其簡介集結 29 國「拉丁美洲及加勒比海區域化學及廢棄物政府間網絡」之合作機制及區域行動計畫，包括協助中小企業、強化農藥及有毒化學立法管理、化學品註冊及規範合作等。
3. 與會代表就與產業溝通情形及電子化管理制度多有討論，並建議可藉辦理公私對話強化合作關係。

#### (七) 會議建議：

1. 確認一名業界代表參與拉丁美洲法規監管者網絡。
2. 在 CD 議程中放置一固定議程項目，讓 CD 經濟體成員針對促進法規合作所從事的活動進行報告。
3. 2020 主辦國馬來西亞針對亞洲在化學品之區域法規合作，特別針對東南亞舉辦類似的活動。
4. 草擬一份化學部門關於法規合作機制之報告，範圍從知識分享、瞭解備忘錄、到官員調派、FTA 文本以及每個正在施行之案例。
5. 無論法規監管者的發展階段如何，以上述報告為基礎開發一個可參考之工具書，供法規監管者尋求致力於促進法規合作。
6. 著手討論一份 CD 授權之樣板，用於促進化學品法規合作之部門附件，可以參照美國 - 墨西哥 - 加拿大協議的一部分做為化學品附件之範例。

## 二、風險評估能力建構工作坊(Workshop on Risk Assessment)

該工作坊由美國化學協會主辦，參加該論壇計有澳洲、智利、日本、秘魯、菲律賓、俄羅斯、美國、我國等政府及業界代表，另有阿根廷及巴西兩個非 APEC 經濟體代表出席。工作坊簡介毒理學及說明風險評估應注意事項，並以出題方式供與會者進行風險評估線上系統(HESI RISK21 Webtool)之實務練習及團隊報告，工作坊相關建議說明如下：

- (一)努力實現經濟體對其他經濟體之主管當局對化學物質進行風險評估的承諾，並在自行的司法管轄區考慮到暴露情景。
- (二)發展 APEC 關於化學物質風險評估的優良實務和能力建構建議，以幫助各經濟體適用這些優良實務。
- (三)制定亞太經濟合作組織關於過去風險評估的 CD 報告，以便 APEC 經濟體可能使用，借鏡 OECD 或其他來源的現有工作。
- (四)優先考慮 2020 年在馬來西亞主辦 CD24 會議舉辦第二次風險評估研討會。

## 三、法規監管者論壇(Regulator Forum)

該論壇旨在促進化學法規監管者之交流，重點工作包括法規更新、會員體執行國際化學協定之能力建構、推動化學法規翻譯資料庫、利用論壇進行良好法規實務之簡報及經驗分享等。出席者計有澳洲、智利、日本、馬來西亞、秘魯、菲律賓、俄羅斯、美國、我國等政府及業界代表，另有阿根廷及巴西兩個非 APEC 經濟體代表出席。重要活動如下：

### (一) 各經濟體法規活動更新：

1. 我國代表說明環保署「毒性化學物質管理法」及勞動部「職業安全衛生法」相關修法進展，以及農委會修正「農藥標示管理辦法」，導入國際化學品分類與標示調和系統(GHS)，以確保農藥使用安全等。
2. 智利、俄羅斯、菲律賓、馬來西亞、澳洲及阿根廷(以非 APEC 會員體身分參加)等更新國內法規修法情形。

### (二) 檢視法規合作及風險評估工作進度：

1. 論壇中檢視自 2012 年至今在各 APEC 會員國辦理相關活動成果及未來展望。
2. 美國業界報告 8 月 23 日拉丁美洲法規合作論壇成果。

### (三) 年度行動計畫：

1. 法規監管者論壇傳統上每年度製定行動計畫。本次論壇將涵蓋先前的目標和運作程序，過往的成果，以及審查以往建議的工作領域，提供與會者更多內容和背景資訊。本次論壇還將檢視審查可能的能量建置工作，包括：
  - (1) 履行有關國際化學品公約的承諾。
  - (2) 進口化學產品。
  - (3) 實施 GHS 以及其他可能的能量建置活動
2. 會議顧問 Dj Wolff 說明論壇歷年來行動計畫項目，籲請會員體構思新的工作重點，以創造未來新提案之可能性與後續執行。
3. 另監管者論壇主席目前仍空缺，歡迎有意願的經濟體擔任該職位。

## 四、業界預備會議 (Industry Pre-meeting, IPM)

由業界主席日本化學協會(JCIA)執行長 Mrs. Shinoi SAKATA 主持，出席者計有澳洲、智利、日本、馬來西亞、秘魯、菲律賓、俄羅斯、美國、我國等政府及業界代表，另有阿根廷及巴西兩個非 APEC 經濟體代表出席。會中法規合作、國際化學品分類與標示調和系統(GHS)、資訊交換及海洋廢棄物等四個虛擬工作小組之業界代表，報告本年工作成果及預計執行計畫重點如下：

### (一) 法規合作虛擬工作小組(VWG on Regulatory Cooperation and Convergence)：

1. 美國化學協會代表說明拉丁美洲法規合作論壇成果。
2. 為增加化學品進口關務程序之資訊分享，盼 2020 年 SOM1 在馬來西亞舉辦之 CD24 會議能在期程安排上與關務程序次級委員會(SCCP)接近，俾利邀請海關官員到場分享。

### (二) GHS 虛擬工作小組(VWG on GHS)：

1. 美國石油學會代表說明澳洲業界將於明日全體會議報告年度 GHS 施行報告。
  2. 該小組政府主席即將到期(現任主席為新加坡)，籲請有興趣之經濟體擔任該職位。
- (三) **資訊交換虛擬工作小組(VWG on Data Exchange)**：俄羅斯業界代表說明工作進度包括舉辦 GHS 調和系統之國際論壇及風險評估之資訊交換等。
- (四) **海洋廢棄物虛擬工作小組(VWG on Marine Debris)**：說明香港、中國大陸及 APEC 商業顧問協會(APEC Business Advisory Council, ABAC)共同提案「建立循環經濟之基礎建設」將在明日全體會議以新提案方式進行簡報及尋求支持。
- (五) **其他重點工作**：
1. 會議顧問 Dj Wolff 籲請會員踴躍研提新提案，美國業界代表說明協助會員執行國際化學協定之能力建構、貿易協定與法規合作、化學品之原產地證明等似可為未來嘗試討論的題目。
  2. CD 盼草擬信函予 CTI 及 ABAC，尋求支持及認可化學對話之經濟重要性事，APEC 秘書處表示將與 CTI 秘書部門討論信函之形式及可行性。

## 五、化學對話會議 (Chemical Dialogue, CD)

由政府主席美國貿易代表署(USTR)Kent Shigetomi 及業界主席日本化學協會 Dr. (Ms.) Shinoi Sakata 共同主持，計有澳洲、智利、印尼、日本、韓國、馬來西亞、墨西哥、菲律賓、祕魯、俄羅斯、美國、新加坡及我國出席，另加拿大以電話會議方式參與，計有 14 個會員體出席，達法定出席人數，另有阿根廷及巴西兩個非 APEC 經濟體代表出席。以下說明各議程重點內容：

### (一) 法規合作虛擬工作小組：

1. 美國化學協會報告本次 SOM3 會議期間辦理之拉丁美洲法規合作論壇成果，論壇結論包括建議 CD 議程納入法規合作相關議題、草擬討論成果報告、發展可為法規監管者參考之工具書等。
2. 2020 年將在馬來西亞舉行一場以東南亞國家為主的法規合作論壇以強化交流。

並可望藉此邀請寮國、緬甸與柬埔寨非 APEC 經濟體代表一同討論目前所面臨的法規執行困難與可能之法規合作契機。

(二) 原產地規則：

1. 美國政府主席以「APEC 區域自由貿易協定中之化學反應與原產地規則」為題，提及化學反應造成之產品稅則號列改變對原產地規則及認證之影響，並邀請有興趣的會員共同進行相關議題的研究及資料蒐集。
2. 秘書處鼓勵會員研提概念文件，該議題並可嘗試與市場進入小組(MAG)進行合作討論。

(三) GHS 虛擬工作小組與 G.R.E.A.R.T 網站：

1. 我國代表說明協助營運及更新之 GHS 調和標示技術元件資訊網站(G.R.E.A.T.)執行進度，至 2019 年 7 月累計超過 180,000 點閱率，盼各會員國持續提供不同語言之更新資料、GHS 執行進展、期程及相關網站連結以充實網站內容。
2. 2019 年我國將草擬新版面企劃，蒐集各國化學品優先管理清單(lists of priority management chemicals)，以表列式的比較促進透明及法規收斂合作。
3. 澳洲、美國及俄羅斯提供建議，盼我續提供詳細說明，以利其他經濟體之參與。

(四) 資訊交換虛擬工作小組：

1. 俄羅斯業界主席說明該小組與 SAICM 工作計畫之合作進程、4 場 GHS 網路研討會規劃、互動指南製作情形及功能設計等，盼會員支持以促成。
2. 在場多個經濟體表示支持，並期望接下來的成果呈現。

(五) 海洋廢棄物虛擬工作小組：

1. 我國代表簡報我國在「科技創新政策夥伴會議」(Policy Partnership on Science, Technology and Innovation, PPSTI)「永續塑膠生態系統-商業模式創新及科技之最佳實踐分享」之提案，旨在藉由科技能量將塑膠廢棄物再生利用為民生產品，創立海洋塑膠廢棄物之價值鏈，協助 APEC 會員國建立有利潤之商業模式並達到永續成長，請會員體支持我國辦理。
2. 2019 年 11 月 25-29 日將在臺舉行 5 日自費研討會，邀請會員體踴躍參加。馬來

西亞代表亦於會中表示支持。

(六) 海洋塑膠廢棄物推動情形：

1. 日本化學協會代表簡介海洋塑膠廢棄物推動情形，包括 G20 會議達到推動行動計畫之共識、該國潔淨海洋物質聯盟(Clean Ocean Material Alliance)納入 238 家公協會及廠商等供應鏈合作機制、日本海洋環境倡議(Japan Initiative for Marine Environment)進行物質流向分析。
2. 預計將於 2020 年 2 月在東京舉辦相關研討會等，俄羅斯表達合作興趣。

(七) 經濟體化學管理法規更新報告：

1. 我國代表報告環保署「毒性化學物質管理法」及勞動部「職業安全衛生法」相關修法進展供與會代表參考，主要進展包括指定 106 種應進行標準登錄之既有化學物質、調和勞動部及環保署源頭管理化學物質登錄要求之文件及商業機密保護之機制等。另農委會修正「農藥標示管理辦法」，導入國際化學品分類與標示調和系統(GHS)，以確保農藥使用安全。
2. 澳洲、韓國、智利及俄羅斯代表亦分別簡報該國修法推動情形。

(八) 2020 年 SOM1 化學對話：

1. 馬來西亞簡報明年會議日期及相關日程安排。
2. CD24 會議預定於 2020 年 3 月 3-12 日 SOM1 期間在該國 Putrajaya 舉行，目前規劃第 1 日辦理風險評估工作坊、法規論壇及業界預備會議，第 2 日全體會議，第 3 日參觀煉油與石化綜合開發區 (RAPID)。

## 伍、我方出席會議提供之資料

### 一、G.R.E.A.T. 專案網站之更新

# Update on the G.R.E.A.T. Project

2019 APEC SOM III 23<sup>rd</sup> Chemical Dialogue  
August 25<sup>th</sup>, Puerto Varas, Chile

## Background

The APEC GHS Clearinghouse Website Project (the GHS Reference Exchange and Tool (G.R.E.A.T.) Project) was established to facilitate international GHS implementation and international trade. With support from APEC economies, Chinese Taipei developed the GHS Clearinghouse Website to provide GHS labeling elements and relevant information from member and non-member economies around the world. The website was launched in May 2010. Currently Chinese Taipei serves as the webmaster to maintain the website.

## Progress to Date

In the past few years, Chinese Taipei continued to update and maintain the G.R.E.A.T. website with APEC member economies' kindly supports. As of July 2019, there have been over 180,000 visits to the website. According to the endorsements by the CD in Peru in February 2016, a newly refurbished G.R.E.A.T. website has launched since early 2017. The G.R.E.A.T. website was revised to align with APEC new website guidelines and was established with a new translation function from EU R phrase to GHS H statement and a new page for the progress of UN GHS harmonized classification. According to the suggestion from APEC Secretariat, all of languages sorting format had been consistence with APEC official website. In addition, other significant developments of the G.R.E.A.T. website were as follows.

- ❖ Upload APEC member economies' annual GHS Implementation and the Convergence Reports from 2011 to 2019 collected by Australia.
- ❖ Furnished GHS labelling elements in 37 kinds of different languages, including 11 languages from 11 member economies (Australia, Chile, People's Republic of China, Indonesia, Japan, Republic of Korea, Malaysia, Philippines, Russia, Thailand and Chinese Taipei) and 26 languages from European countries.
- ❖ Updated the template version of GHS labelling elements provided by G.R.E.A.T. website to GHS Rev. 4, 2011 in consideration of member economies' GHS implementation progress.
- ❖ Provided links to website of status and update of GHS implementation from economics, such as UNECE GHS webpage, OECD eChemPortal and Japan CHRIP and NITE GHS information.

## Next steps

To facilitate successful implementation of GHS, we encourage member economies to provide updates and GHS labeling elements in different languages, as well as the update of GHS implementation status, timeline and GHS resource web links from member economies. Chinese Taipei offers to continue to host and maintain the G.R.E.A.T. website as our support to APEC CD Shared Goal 1 MRT's Instruction of 2016 Progress Update, and international GHS implementation.

## Proposed new feature

For enhancing the application and implementation of GHS and facilitating trade, Chinese Taipei propose a new feature on G.R.E.A.T website that provides a comparison list of prioritized chemicals of member economics.

Member economics is encouraged to provide their lists of prioritized chemicals of their jurisdictions that may affect compliance and responsibility in international trade activities, which include registration, reporting, restriction, or permitting requirements etc. The GREAT website will then be upgraded to present the function of displaying and cross checking lists of prioritized chemical of member economics. Users can view, compare and download the list of chemicals which are identified by different members.

GHS classification and labelling of these commonly concerned prioritized chemicals can therefore be identified and recognized by their similarity and discrepancy. The list of comparison will be beneficial for the companies to acknowledge these chemicals in common concern for their classification results and their required control measures in different member economies.

This joint effort will enhance transparency and encourage regulatory convergence to assist SMEs utilizing GHS classification and further assessment of their trade products. Chinese Taipei welcomes any feedbacks and comments on this initiative.

## References

- ❖ APEC GHS Clearinghouse Website Project (the G.R.E.A.T Project)  
<http://great.osha.gov.tw/ENG/index.aspx>
- ❖ GHS Introduction Website (English):  
[http://ghs.osha.gov.tw/ENG/masterpage/index\\_ENG.aspx](http://ghs.osha.gov.tw/ENG/masterpage/index_ENG.aspx)
- ❖ GHS Technical Support (SAHTECH) and Focal Point  
TEL: 886-6-293-7770 FAX: 886-6-293-8810
- ❖ Occupational Safety and Health Administration (OSHA), Ministry of Labor (MOL)  
TEL: 886-2-8995-6666 FAX: 886-2-8995-6665
- ❖ The G.R.E.A.T. Project Overseer Contact: [apec-great@osha.gov.tw](mailto:apec-great@osha.gov.tw) Jean Chen (Ms.)





## GREAT Website

- GHS Reference Exchange and Tool (G.R.E.A.T.) - a Standard Element Clearinghouse



The goal of this GHS clearinghouse website (named the "GHS Reference Exchange and Tool, G.R.E.A.T.") is to collect and provide GHS information by collaboration with focal point(s) of member economies.

This "G.R.E.A.T." website covers the GHS labelling elements in local languages including (1) hazard class and category, (2) pictogram (Symbol), (3) signal word, (4) hazard statement, and (5) precautionary Statement.

**We encourage member economies GHS focal point(s) to provide the GHS labelling elements in different languages or update status.**

Webmaster: Chinese Taipei GHS Focal Point. (contact us: [apec-great@osha.gov.tw](mailto:apec-great@osha.gov.tw))

2019 APEC CD GHS Implementation Convergence report  
Since the 7th CD meeting in Peru in 2008 where the report of the Virtual Working Group on GHS (VWGG...

2018 Update: Progress on the Implementation of GHS in APEC Economies  
HISTORY At the 7th Chemical Dialogue (CD) meeting in Peru in 2008, the report of the Virtual Worki...

## 二、簡報資料\_ APEC 永續塑膠生態系統

**APEC PPSTI 2019 Funding Session 2**

**APEC Sustainable Plastics Eco System:  
Information Sharing from Business  
Model Innovation and Technology  
Implementation**

Chinese Taipei

2019.Aug. @Chile

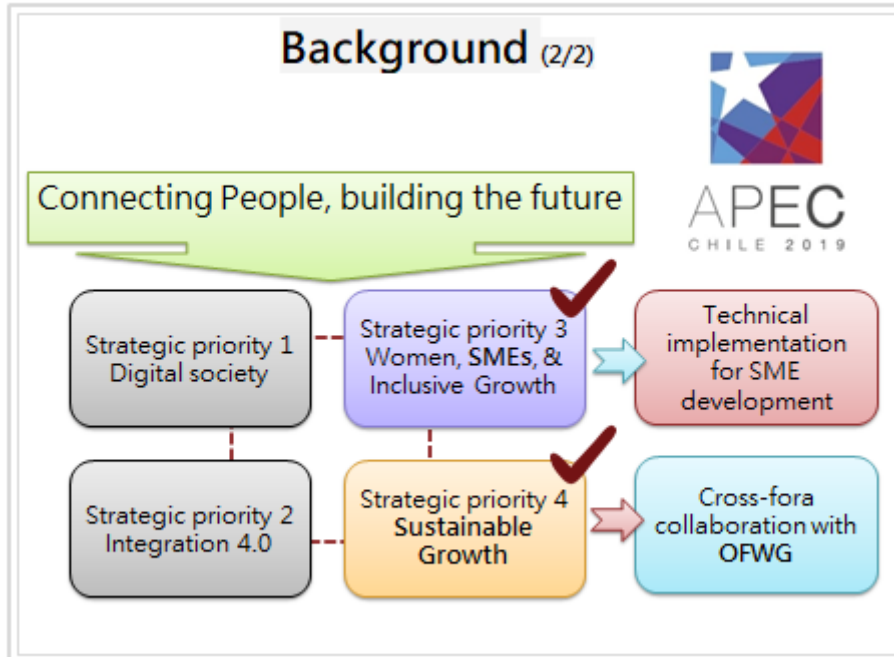


**Background (1/2)**

A story of providing a cleaner environment for the **endangered specie**, Black-faced Spoonbills to reside and how Chinese Taipei turned waterway waste plastics into fountain pens.



## Background (2/2)



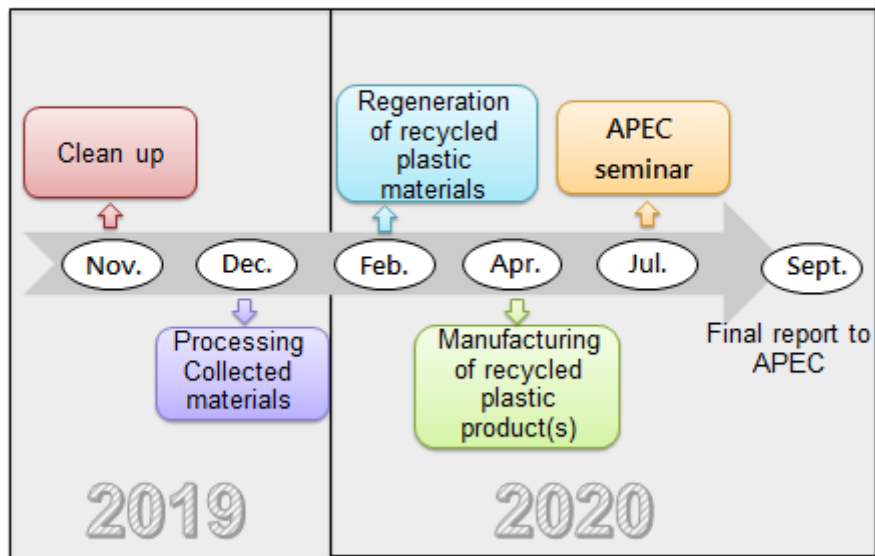
## Objectives

1. **Sharing** information from local business model innovation, existing technologies and equipment for further collaboration in APEC
2. **Connecting** people by providing more capacity building and generic process sharing to foster a healthy eco-system for a cleaner and greener APEC.
3. **Promoting** the Circular Economy using waterway waste plastics as a solution to plastic pollution to achieve a sustainable society.

## Work Plan

Timeline	Activities	Outputs
Nov. 2019	Cleaning Actions	<ol style="list-style-type: none"> <li>1. A waterway cleaning event</li> <li>2. Collecting a certain amount of plastic waste material</li> </ol>
Dec. 2019	Processing collected materials	<ol style="list-style-type: none"> <li>1. Cleaning, quality checks and categorization</li> <li>2. Material science training</li> <li>3. Selection of material and target product.</li> </ol>
Feb. 2019	Regeneration of recycled plastic materials	<ol style="list-style-type: none"> <li>1. (Proof of concept) Material volume reduction, reform and recycled pellet manufacturing technologies.</li> <li>2. Pellet and property improvement and testing</li> </ol>
Apr. 2020	Manufacturing of recycled plastic product(s)	<ol style="list-style-type: none"> <li>1. Manufacturing process for one or more recycled plastic product(s)</li> </ol>
Jul. 2020	APEC seminar	<ol style="list-style-type: none"> <li>1. Technical exchange</li> <li>2. Documentary film festival</li> <li>3. International expert discussion seminar</li> </ol>
Sept. 2020	Final report to APEC	<ol style="list-style-type: none"> <li>1. Project closing and report</li> </ol>

## Timeline and Key activities (1/2)



## Timeline and activities (2/2)

2019 Self-funded seminar and workshops

Date: Nov. 25~29

Place: Taipei

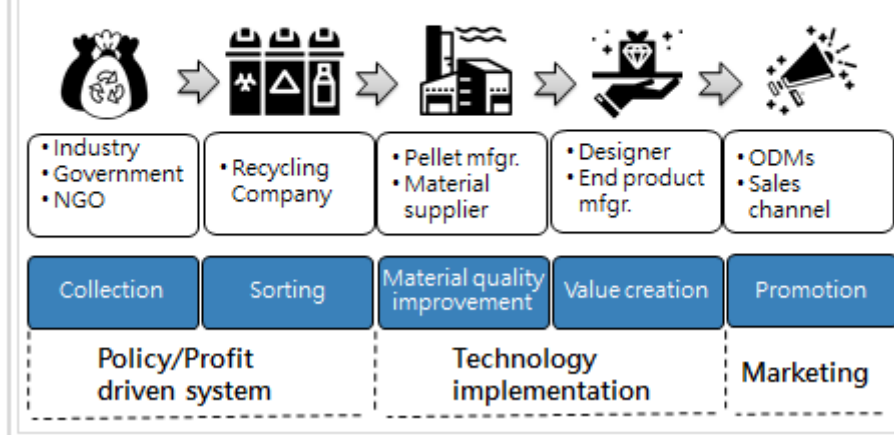
Day1	Day2	Day3	Day4	Day5
<ul style="list-style-type: none"><li>• Session 1 From waste to material</li><li>• Session 2 From material to products</li></ul>	<ul style="list-style-type: none"><li>• Session 3 technology, norms &amp; standards</li><li>• PIDC tour</li></ul>	<ul style="list-style-type: none"><li>• Factory tour: plastic recycling</li><li>• Factory tour: rubber recycling</li></ul>	<ul style="list-style-type: none"><li>• Clean up event</li><li>• Workshop: Sustainable materials</li></ul>	<ul style="list-style-type: none"><li>• Field trip: Kenting National Park</li></ul>
				

## Expected Outcomes

1. Educational event on waterway cleaning to examine the cost of plastic pollution.
2. **Seminar & workshops** on the best practice of innovative knowledge of plastic waste solutions, and to draft policy recommendation proposals.
3. **Policy recommendations** to focus on SMEs' capacity building, circular economy cluster development, and sustainable society.

## Expected Outcomes

The circular economy business model for waste plastics



## Conclusion

Turn **plastic waste** into **consumer goods** to balance the eco-system while driving economy growth through the circular economy concept. Chinese Taipei will share best practices from **business model innovation** and **technology implementation** through educational events, seminars and workshops for a cleaner and greener APEC.



### 三、我國化學品管理策略及發展

## The Chemical Management Scheme and the Update in Chinese Taipei

2019 APEC SOM III 23<sup>rd</sup> Chemical Dialogue  
August 25<sup>th</sup>, Puerto Varas, Chile

### Introduction

Chinese Taipei keeps abreast of the world trends in chemical management for the goals of the sound management and sustainability of chemicals throughout their life cycle. Chinese Taipei has been carrying out the reforms on chemical management regulations and practices. The Occupational Safety and Health Act (the OSHA) governed by the Ministry of Labor (MOL) and the Toxic and Concerned Chemical Substances Control Act (the TCSCA) governed by the Toxic and Chemical Substances Bureau (TCSB), Environmental Protection Administration (EPA), and several other regulations have been amended or developed to foster the safe use of chemicals to protect human and environmental health. Most recent amendments and new requirements include the Registration Regulation of TCSCA, the Agro-Pesticide Classification and Labelling adopting UN GHS, and hazardous ingredient requiring CAS No. for mixture to be noted in SDS commencing January 1st, 2020.

### International and Interagency Coordination on GHS

#### Background

To align with GHS (United Nations' Globally Harmonized System on the classification and labelling of chemicals), transition to the GHS in workplace has been taken place in 2008 using a three-phase approach, and the full implementation was adopted on January 1<sup>st</sup>, 2016 in Chinese Taipei and with one-year transitional period from January 1<sup>st</sup>, 2016 to December 31<sup>st</sup>, 2016. Meanwhile CNS 15030 Classification and Labelling of Chemicals aligned its classification and labelling requirements with the GHS fourth revised edition on January 2015. In other words, the fourth revised edition of UN GHS was fully adopted for all hazardous chemicals since January 1<sup>st</sup>, 2017. This effort strengthens labor's right to know, assures sound management on safe use of chemicals, and brings the workplace safety in line with international standards.

The MOL has been utilizing various supporting measures to support GHS implementation, including the launch of the official GHS website to provide examples of SDS, labelling, and classification results for reference. The MOL also developed an expert system for mixtures classification according to the classification criteria and bridging principles of UN GHS purple book. GHS awareness-raising activities, including holding seminars, sending posters, issuing FAQs documents, providing training materials and newsletters, have been delivered by the MOL.

#### Updates

In November 2018, the MOL announced the revision of the revision of Regulation for the Labeling and Hazard Communication of Hazardous Chemicals. Major amendments include as follows:

1. Clarifying the text on SDS should be Chinese characters

2. Requiring CAS No. for mixture to be noted in SDS Section 3, with a buffer period till January 1<sup>st</sup>, 2020.
3. Indicating that the corrections for SDS confidential business information (CBI) withheld application are limited to twice per case

## **Chemical Substances Inventory - TCSI**

The TCSI lists more than 100,000 chemical substances, including three batches of existing chemical nomination held by the MOL from 2009 to 2014 and another 7,500 chemical substances received and reviewed by the EPA while implementing the latest existing nomination in 2015.

As of 2015, the second edition of TCSI was officially released. It distinguished the existing chemical substances from new substances within the registration scheme under both OSHA and TCSCA. The CAS no. serial numbers of substances can now be searched online to check if they are existing chemical substances.

## **Source Management of Chemicals**

### *Background*

Article 13 of the OSHA authorizes the promulgation of the “Regulation of New Chemical Substances Registration and Management”, which entered into force on January 1<sup>st</sup>, 2015. Authorized by Article 30 of the amended TCSCA, the EPA promulgated the “Regulation of New and Existing Chemical Substances Registration”, which took effect on December 11<sup>th</sup>, 2014. Both regulations require the importers and manufactures of new chemical substances to be responsible for the duties of submitting physical-chemical properties and (eco)toxicological data to the authorities.

The TCSCA also requires the manufactures and importers to fulfill the responsibility of source registration of existing chemical substances. The phase 1 registration, which requires substances that are listed in the inventory TCSI and the volume above 100kg per year to be registered, has ended on March 31<sup>th</sup>, 2016. More than 28,000 chemical substances from 180,000 applications have been registered. The information gathered from Phase 1 registration is to be used to prioritize and build the designated substances list in part for subsequent Phase-in standard registration.

### *Update*

The EPA announced the amendment of the Registration Regulation on March 11<sup>th</sup>, 2019 aimed to update the provisions. Major updates include:

- Designating the first stage of 106 existing chemical substances subject to standard registration.
- Harmonizing the information requirements for different tonnage bands between the EPA and the MOL.
- Ensuring the consistency of the protection period of the confidential business information (CBI)
- Requiring annual report of the registered and approved new and existing chemical substance.



Commencing 2020 January 1<sup>st</sup>, as the first batch of the existing chemical standard registration, the prioritized 106 designated chemical substances will be asked to submit standard registration required information within the designated timeline.

Within the scope of chemical registration scheme under EPA, prioritization process of the designation of chemical substances subject to standard registration has been under development. The EPA has officially announced more designated chemicals will be announced and subjected to the standard registration after the 1<sup>st</sup> batch of 106 chemical substances. To facilitate the transparency and communication among stakeholders, a survey for prioritization of substances designation (Challenge Program) is launched to provide the potential PECs (Prioritized Existing Chemicals) list and the corresponding registration stages.

In total, about 13,000 chemical substances are released for stakeholders' comment and relevant info providing. The Challenge Program will review and analyze all relevant data collected from the stakeholders to examine the rationale of designation, and then further reallocate the appropriate registration stage. The deadline for the first round of the Challenge Program is June 30<sup>th</sup> 2020.

#### **Other measures in workplace under the OSHA governed by MOL**

In addition to hazard communication (GHS) and the new chemical substances registration, three new measures were adopted to protect workers' safety and health in workplace under the OSHA:

##### ***Chemical control banding (CCB) - Article 11 of the OSHA***

With regard to hazardous chemicals with GHS health hazards, the employers shall assess risk degree of the chemicals based on their hazards to health, distribution, quantity of use and other conditions, and adopt management measures according to risk ranking.

A voluntary reporting mechanism was launched to collect company's CCB implementation status by the MOL in 2016. The MOL also provides on-site visit services for small and medium-sized enterprises (SMEs). Up to the end of Jan 2019, the MOL has received over 4,600 voluntary reports and visited over 3,100 SMEs to provide recommendations for CCB implementation.

##### ***Priority Management Chemicals - Article 14 of the OSHA***

For the priority management chemicals designated by the MOL, manufacturers, importers, suppliers or the employers shall report relevant handling information, to the central competent authority and update annually on regular basis. Presently 1,173 designated chemicals were announced under this regime, including the 572 second batch chemicals that were announced in the end of 2018.

Up to the end of Jan 2019, the MOL has received over 71,000 reports from handlers in workplace. All information will be further used for exposure assessment and the screening of controlled chemicals.

##### ***Controlled Chemicals - Article 14 of the OSHA***

The controlled chemicals designated by the MOL, shall not be manufactured, imported, supplied, or provided for workers to handle or use by manufacturers, importers, suppliers, or the employers. Such chemicals with permission from the central competent authority are not subject to this restriction. Presently 18 Controlled Chemicals are announced under this regime.

Up to the end of Jan 2019, the MOL received over 142 applications for the controlled chemicals and about 110 applications have been approved with sufficient supporting documentation.

### **Chemical Commodity Importation Pre-Confirmation (CCIP)**

To elaborate the chemical substances registration scheme while considering the promotion of economic competitiveness and global trade facilitation, Chemical Commodity Importation Pre-Confirmation (CCIP) was launched by EPA in 2016. Users can voluntarily provide their registration compliance information/status in the imported goods

Accordingly, the CCIP IT platform serves not only as an interface for companies to make regulatory compliance check and self-declaration, but also as a base for the onsite inspection/surveillance of the competent authority. The platform is open for all stakeholders. Foreign suppliers are encouraged to work with the importers or distributors to declare using the CCIP platform.

### **Agro-Pesticide Classification and Labelling**

Council of Agriculture (COA) announced the amendment of Agro-pesticides Labelling Management Regulation on August 5th, 2019. The amendment stipulates the classification and labelling requirements of pesticide active ingredients and their products, to harmonize with UN GHS, WHO/FAO classification and labelling practices. To comply with GHS and to categorize agro-pesticides by their properties, the amendment adds new requirements on technical grade agro-pesticides and formulated agro-pesticides. Hazard pictograms, signal words, and hazard statements must comply with the domestic standard, CNS 15030. The warning label is replaced with hazard pictograms; the notices to user are replaced with precautionary pictograms. Also, the amendment adds an Attachment of Honey Bee Acute Toxicity Classification, so that the control over agro-pesticide's effect to non-target organism will be further strengthened. The amendment has entered into force on August 5th, 2019. There is a three-year transition period provided for industries to apply new labeling requirements for products already on the market, rather, new products and revised labels are subject to new labeling requirement immediately upon application.

### **Progress and Significances of Regulatory Compliance**

The reformation of the chemical management system in Chinese Taipei is important for human health and environmental protection. Nevertheless, Chinese Taipei interagency also recognized that the efficient and effective delivery of management system without excessive burden on industries is equally consequential. To echo the APEC Principles for Best Practice Chemical Regulation, several measures are applied (the principles to be conformed to are noted in the parenthesis below):

#### ***A new agency for chemical management (Principle 9)***

Toxic and Chemical Substances Bureau (the Bureau) under the EPA was established in the end of 2016. The Bureau will take measure to tighten the management of toxic and chemical substances, including the inspection and registration of chemical substances, the source management of chemical substances and interagency coordination.

#### ***Harmonization of TCSI (Principle 4, Principle 9)***

To harmonize the TCSI, the TCSCA allows another existing chemicals nomination period to

include chemical substances that were imported, manufactured or handled in Chinese Taipei before the regulation took effect.

#### ***The grace period for policies of registration (Principle 4, Principle 5, Principle 7)***

Both the TCSCA and the OSHA allow grace periods to minimize the impacts of the implementation of new regulations. Registrants of qualified substances only needed to fulfil the requirements of small quantity registration, which basically included only the registrant information, the substances identification and the information on their use.

#### ***CBI protection (Principle 4, Principle 6, Principle 7)***

The OSHA protects CBI of registered new chemical substance identification automatically, except for safety relevant information. The TCSCA also allows registrants to apply for CBI protection if the prerequisites are met.

In addition, SDS CBI protection is applicable for manufacturers, importers, or suppliers with the needs to protect their security or trade secret. They can provide the written documentation to the MOL to apply for the disclosure withholding of the name, concentration, or manufacturer, importer as well as supplier's name of hazardous chemical ingredients in SDS. However, hazardous chemical ingredients possessing the designated hazards as specified in the Domestic Standard CNS 15030 Classification cannot apply for withholding the aforementioned SDS disclosure.

#### ***Alignment with international standards (Principle 1, Principle 4)***

GHS, the harmonized labelling, and SDS format have been introduced for workplace, transportation (UN Orange Book), and most recently agro-pesticide. Moreover, according to the registration guidance of the OSHA and the TCSCA, alternative methods, such as testing proposals, Quantitative Structure–Activity Relationship (QSAR), and Read-Across methods are applied to certain required registration items. The alternative methods are arranged to not only reduce animal testing, but also provide possible resolutions for the industry to ease the burden of the testing data.

#### ***The single registration window (Principle 1, Principle 9)***

The authorities established a single window to coordinate the dossier submission processes under TSCSA and OSHA. The registrants only need to submit their application through the single portal, and the MOL and the EPA will consult with each other and issue review results together.

#### ***Public Consultations and Supporting Measures (Principle 5, Principle 6)***

The EPA and the MOL have been holding seminars for industries to raise awareness. A Helpdesk was established for technical support and regulatory advice. Guidelines and FAQs were also released and updated frequently based on the feedback received. Furthermore, the authorities value comments from stakeholders and guarantee sufficient public comment periods. Opinions received from public consultation, including feedback from WTO TBT notifications and from domestic, are taken into account during the process of the regulation amendments. Also, the authorities look for feedbacks and encourage all stakeholders to comment continuously.

So far, the authorities have held over 100 seminars for chemical management policies and regulations, released more than 10 guidance/FAQs to public regarding source management, CCIP and registration, and published over 10 training materials and IAN for new chemical substance

registration, GHS, CCB, priority management and controlled chemicals. Public consultations and WTO TBT notifications for the amendment of Agro-Pesticide Classification and Labelling Regulation were also conducted to develop consensus and integrate stakeholders' suggestions into the final ruling. An IT tool is provided for users to generate Agro-Pesticide classification and labeling.

### Further Information

- ❖ MOL GHS/CCB/PRoChem website: <http://ghs.osha.gov.tw/>
- ❖ MOL CSNN Chemical Substances Registration Management website  
<http://csnn.osha.gov.tw/content/home/NewsEng.aspx>
- ❖ TCSI Search [https://csnn.osha.gov.tw/content/home/Substance\\_Home.aspx](https://csnn.osha.gov.tw/content/home/Substance_Home.aspx)
- ❖ EPA Chemical Substances Registration Platform  
<https://tscachemreg.epa.gov.tw/Epareg/content/masterpage/index.aspx>
- ❖ EPA Chemical Commodity Importation Pre-Confirmation (CCIP) Platform  
<http://chemreg-border.epa.gov.tw/>
- ❖ MOL Chemical Management Technical Focal Point (Safety and Health Technology Center, SAHTECH)  
<http://www.sahtech.org/> TEL: 886-6-293-7770 FAX: 886-6-293-8810

### References

- ❖ MOL (2013). Occupational Safety and Health Act.
- ❖ MOL (2018). Regulations for the Labeling and Hazard Communication of Hazardous Chemicals.
- ❖ MOL (2014). Regulations Governing Designating and Handling of Priority Management Chemicals.
- ❖ MOL (2015). Regulation of New Chemical Substances Registration and Management.
- ❖ EPA (2018). Toxic Chemical Substances Control Act.
- ❖ EPA (2019). Regulation of New Chemical Substances and Existing Chemical Substances Registration.  
<https://law.moj.gov.tw/ENG/LawClass/LawAll.aspx?pcode=O0060043>
- ❖ COA (2019) Regulations for the Labeling of Agro-pesticide (in Chinese)  
<https://www.baphiq.gov.tw/view.php?catid=19355>

## 陸、建議

### 一、關注 GHS 國際推動與法規合作

我國積極推動 GHS 制度，已於 2017 年 1 月起所有危害性化學品均全面適用 GHS 分類與標示，後續將持續分享我國 GHS 推動之成功經驗，促進國際貿易夥伴之間貿易往來，減少法規衝擊，符合國際期待。目前發展與執行 G.R.E.A.T 計畫，網站中針對 GHS 制度提供 37 種不同語言之 GHS 標示元件，網站持續維護，至今已超過 180,000 點擊次數，並積極鼓勵其他會員國持續於 GREAT 網站上更新 GHS 元件。

### 二、支持並參與 APEC 規劃活動

APEC 現階段仍為我國國際參與的主要窗口及舞台，建議持續積極在 APEC 平台拓展國際交流與合作。此次參與有助我國掌握國際化學品管理最新趨勢，適時代表我國廠商發聲，以我國之觀點說明出口 APEC 區域所遇到的貿易障礙壁壘，促進 APEC 地區之法規聚斂合作，進而得以協助我國出口廠商提早因應，減少法規衝擊，鞏固我國出口既有市場維持競爭力。

### 三、參考國際共通性作法進行系統性之衝擊評估與規劃

CTI 持續藉由最佳實務推動化學品法規的制定與執行，強調法規推動應遵循 CD 提出之 9 大原則，以達到減少貿易衝擊、資訊透明與以科學為基礎之風險管理，並持續將此項目相關討論納入研討會議程，我國亦應持續參考國際共通性作法，於法規或相關制度推動前進行系統性之衝擊評估與規劃，達到化學品安全管理與促進貿易之雙贏局面。本次會議我國亦參與美國主辦之「風險為依據之化學品管理挑戰能量建置」之「風險評估工作坊」，進行案例研析之討論，強化化學物質風險評估的優良實務和能量建置。

### 四、關注國際趨勢走向，並廣泛運用國際調和

透過 APEC CD 會議持續掌握各國化學品最新管理法規概況，適時了解化工產業可能面臨的問題，以及 APEC 各經濟體之法規最新進展，藉由參與法規合作和資訊交換之議題，以獲取最新化學品管理法規趨勢，廣泛運用國際調和參與的成果，提供必要協助我國廠商因應，以降低其衝擊，提升我國之化學品法規與國際接軌。

政府部門應持續密切注意化學品範疇在 FTA/RTA 談判中可能面臨的潛在議題，以適時排解我國化工產業在因應自由貿易談判可能面對之障礙，尤其本次會議政府主席美國貿易代表署(USTR)Kent Shigetomi 以「APEC 區域自由貿易協定中之化學反應與原產地規則」為題，提及化學反應造成之產品稅則號列改變對原產地規則及認證之影響，可看出美國將主導原產地規則此議題，此可能為後續 APEC CD 會議議程增添新的議題，同時亦可看出除關稅與法規合作外，原產地規則成為非關稅貿易障礙之關鍵點，值得政府部門投入心力關注。

附件

一、LATIN America Regulatory Cooperation Forum

**LATIN America Regulatory Cooperation Forum t**  
**23<sup>rd</sup> Chemical Dialogue ("CD23")**

August 25, 2019  
Room Calbuco, Enjoy Hotel  
Puerto Varas, Chile

<b>Time</b>	<b>Session</b>
8:30 – 8:40	<b>Welcome and Objectives of the Workshop</b>
8:40 – 9:00	<b>APEC Chemical Dialogue – Objectives and Working Plan</b> – How APEC Regulatory Cooperation Activities facilitate trade and economic growth
9:00 – 10:00	<b>Roundtable 1: Global Sound Management of Chemicals – Progress Towards SAICM Objectives and SAICM Beyond 2020</b>  <i>Discussion Leader:</i> Michael Michener, U.S. Council for International Business (USCIB)  <i>Objective:</i> To build an understanding in the Chemical Dialogue of how Latin American economies are contributing to the global sound management of chemicals – in SAICM, bilaterally, and regionally.  <i>Discussion Points:</i> <ul style="list-style-type: none"><li>• How are Latin American and Asia-Pacific economies working toward global sound management of chemicals?</li><li>• What steps are they taking at home, in their regions, and in international discussions, including SAICM?</li><li>• How are economies working with industry stakeholders to pursue the global sound management of chemicals?</li><li>• What progress has been made under SAICM and what are key issues for SAICM post-2020?</li></ul>

10:00-11:00	<p><b>Roundtable 2:</b> Perspectives on Global Regulatory Cooperation Principles and Sound Management of Chemicals</p> <p><u>Discussion Leader:</u> Derek Swick, American Petroleum Institute (API)</p> <p><u>Objective:</u> <i>Communicate and discuss industry and government perspectives on application of regulatory cooperation principles and progress on sound management of chemicals.</i></p> <p><u>Discussion Points:</u></p> <ul style="list-style-type: none"> <li>• <i>Why is regulatory cooperation important—what are the advantages for industry and governments?</i></li> <li>• <i>What are valuable existing global regulatory cooperation principles and forums?</i></li> <li>• <i>What are the highest priorities for regulatory cooperation and convergence, and what opportunities exist for Latin American and Asia-Pacific economies?</i></li> <li>• <i>How can regulatory cooperation advance SAICM goals?</i></li> </ul>
11:00 - 11:30	Break
11:30 - 12:00	<p><b>Roundtable 3:</b> Technical Challenges on International Regulatory Cooperation</p> <p><u>Discussion Leader:</u> Daniel Rios, Givaudan</p> <p><u>Objective:</u> <i>To describe in concrete terms the technical challenges that economies and industry stakeholders face when pursuing international regulatory cooperation on chemical substances.</i></p> <p><u>Discussion points:</u></p> <ul style="list-style-type: none"> <li>• <i>What are the obstacles for governments in pursuing</i></li> </ul>



		<p><i>regulatory cooperation for chemical substances with key trading partners, whether bilaterally or regionally?</i></p> <ul style="list-style-type: none"> <li>• <i>What are the obstacles for industry in enabling this cooperation?</i></li> <li>• <i>What tools are economies and industry stakeholders using to overcome these challenges?</i></li> </ul>
12:00 – 12:30	–	<p><b>Roundtable 4:</b> The U.S.-Mexico-Canada Agreement (USMCA): Case study on using trade agreements to promote Regulatory Cooperation</p> <p><u>Discussion Leader:</u> Ed Brzytwa, American Chemistry Council</p> <p><u>Objective:</u> <i>To further understanding of the regulatory cooperation provisions of the USMCA as regards chemical substances.</i></p> <p><u>Discussion points:</u></p> <ul style="list-style-type: none"> <li>• <i>How did the USMCA provisions on regulatory cooperation for chemical substances come to fruition?</i></li> <li>• <i>What do these provision entail? And why are they beneficial for trade and investment?</i></li> <li>• <i>Are other economies in Latin America and in the Asia-Pacific look to adopt similar provisions in their trade agreements?</i></li> </ul>
12:30 – 14:00	–	Lunch and Networking
14:00 – 15:00	-	<p><b>Roundtable 5:</b> Experiences on Bilateral Regulatory Cooperation among APEC economies: Canada-Australia; U.S.-Canada</p> <p><u>Discussion Leader:</u> Dusanka Sabic, Accord</p> <p><u>Objective:</u> <i>To raise awareness of bilaterally regulatory cooperation mechanisms in Latin America and the Asia-Pacific.</i></p> <p><u>Discussion Points:</u></p> <ul style="list-style-type: none"> <li>• <i>What are the key principles underpinning bilateral</i></li> </ul>

	<p><i>regulatory cooperation mechanisms concerning chemical substances?</i></p> <ul style="list-style-type: none"> <li>• <i>What are the similarities and differences across these mechanisms?</i></li> <li>• <i>What can the APEC Chemical Dialogue do to promote bilateral regulatory cooperation mechanisms?</i></li> </ul>
15:00 – 16:00	<p><b>Roundtable 6:</b> Latin American Non-APEC countries present the status of the proposals of regulations on domestic chemical inventories and current international cooperation activities</p> <p><u>Discussion Leader:</u> Alejandra Acosta, Argentina Ministry of Environment</p> <p><u>Objective:</u> <i>To build understanding within the Chemical Dialogue of how non-APEC Latin American economies are pursuing their domestic regulatory work on chemical substances and furthering international regulatory cooperation.</i></p> <p><u>Discussion Points:</u></p> <ul style="list-style-type: none"> <li>• <i>What progress are non-APEC Latin American economies making in developing their chemical inventories?</i></li> <li>• <i>How are they cooperating with each other to build these inventories?</i></li> <li>• <i>What are their plans for regulatory cooperation on chemical substances in the future?</i></li> </ul>
16:00-16:30	Break
16:30 – 18:00	<p><b>Final Roundtable:</b> Report out on results of roundtables and discuss next steps.</p> <p><u>Discussion Leader:</u> Dj Wolff, Crowell &amp; Moring</p> <p><u>Objective:</u> <i>To assess opportunities and challenges on sound management of chemicals and regulatory cooperation both in Latin America and in the Asia-Pacific. To identify lessons learned and potential next steps for the Chemical Dialogue.</i></p>

## 二、Workshop on Risk Assessment

### Regulators Forum Special Session on Risk Assessment 23<sup>rd</sup> Chemical Dialogue ("CD23")

*August 24, 2019 / 08:30 - 12:30  
Calbuco Room, Hotel Enjoy  
Puerto Varas, Chile*

<b>AGENDA ITEM 1</b>	<b>Welcome</b>
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**1.A. Welcome by host and background**

<b>AGENDA ITEM 2</b>	<b>Introduction</b>
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**2.A Introduction to toxicology and risk assessment**

<b>AGENDA ITEM 3</b>	<b>Tutorial of web applications and tools</b>
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**3.A. Tutorial for risk challenge web application and demonstration of webtool**

A tutorial for the web application and demonstration of the HESI RISK21 webtool will be provided.

<b>AGENDA ITEM 4</b>	<b>Risk assessment exercise</b>
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**4.A Risk assessment exercise**

Attendees will breakout into groups to perform the risk exercise.

<b>AGENDA ITEM 5</b>	<b>Team report out</b>
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**5.A Teams report back**

Teams will report back after performing the risk assessment exercise.

<b>AGENDA ITEM 6</b>	<b>Debrief presentation</b>
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**6.A Debrief presentation**

The organizers will provide a debrief presentation following the reporting session.

<b>AGENDA ITEM 7</b>	<b>Survey</b>
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**7.A Survey**

Attendees will fill out a brief survey at the conclusion of the exercise.

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### 三、Regulators' Forum

#### Chemical Dialogue Regulators' Forum

*August 24, 2019  
1:30pm – 3:30pm  
Calbuco Room, Enjoy Hotel  
Puerto Varas, Chile*

<b>AGENDA ITEM 1</b>	<b>Welcome and Introductions</b>
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1.A. Welcome from Regulators' Forum Chair RF Chair

The Regulators' Forum chair will welcome participants, provide an overview of the agenda and invite all participants to introduce themselves.

<b>AGENDA ITEM 2</b>	<b>Review of the Regulators' Forum</b>
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1.B. Regulators' Forum Action Plan RF Chair or designate and APEC Economies

The Regulators' Forum has traditionally developed an annual action plan. This session will cover previous objectives and operating procedures, previous accomplishments, as well as review previously suggested areas of work to provide additional context and background information for attendees. The session will also review possible capacity building efforts including: (1) implementing commitments with regards to international chemical conventions; (2) importing chemical products; and (3) implementing GHS, as well as other possible capacity building activities.

<b>AGENDA ITEM 3</b>	<b>Regulatory Updates</b>
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1.C. Updates on Regulatory Activities APEC Economies

Some economies will present on recent regulatory developments and initiatives and then all participants will be invited to provide short interventions regarding recent activities in their economies.

<b>AGENDA ITEM 4</b>	<b>Good Regulatory Practices</b>
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1.D. Update on APEC's Good Regulatory Practices Work Stream United States

At the last RF meeting it was suggested that a presentation on APEC's broader work stream regarding

Good Regulatory Practices would be helpful. This presentation will cover activities in both the Chemical Dialogue, APEC’s Subcommittee on Standards and Conformance, APEC’s Economic Committee, as well as other initiatives addressing Good Regulatory Practices.

<b>AGENDA ITEM 5</b>	<b>Readout of Regulators' Forum Special Session: Workshop on Substance Risk Assessment</b>
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5. **Readout of Regulators' Forum Special Session on Risk Assessment** **U.S. Industry**

U.S. Industry will lead a readout of the special session on risk assessment (*see separate agenda*) that immediately preceded the Regulators' Forum meeting.

<b>AGENDA ITEM 6</b>	<b>Risk Assessments</b>
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6. **Review of previous work on risk assessments** **Australia and other APEC Economies**

The Chemical Dialogue has previously engaged in work on risk assessments including a risk assessment and risk management workshop in Bangkok in 2012 and a metals risk assessment in Cebu, Philippines in 2015, followed by a series of technical webinars in 2016. This session will review the previous work on risk assessments within APEC.

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## ☐ 、 Industry Pre-Meeting

**Industry Pre-Meeting: AGENDA**  
**23<sup>rd</sup> Chemical Dialogue ("CD23")**  
August 24, 2019 | 16:00-18:00  
Calbuco Room, Hotel Enjoy  
Puerto Varas, Chile

<b>14:00 – 14:15</b>	<b>AGENDA ITEM 1</b>	<b>Introductions</b>
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### 1.B. Industry Co-Chair Introduction

*Industry Co-Chair*

Dr. (Ms.) Shinoi Sakata, Executive Director of the Japanese Chemical Industry Association ("JCIA"), will convene the second Industry Pre-Meeting ("IPM") of 2019, in advance of the 23<sup>rd</sup> meeting of the Chemical Dialogue ("CD" or "Dialogue") to be held on August 25, 2019, in Santiago, Chile. She will introduce herself and provide a brief overview of the day's discussions.

### 1.C. Welcome from Honorary Co-Chair

*Representative of Chilean Industry*

A representative from the Chilean industry will serve as an Honorary Co-Chair of the IPM. The Honorary Co-Chair will provide an introduction on behalf of the host economy.

<b>14:15 – 15:45</b>	<b>AGENDA ITEM 2</b>	<b>Identification of CD Priorities &amp; Current Challenges from Each Member</b>
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The Industry Co-Chair will moderate this discussion and will go around the room and ask each delegate to:

1. introduce themselves;
2. identify specific challenges currently faced by the chemical industry in that economy; and
3. identify priority items for that delegate on the CD's agenda.

<b>15:45 – 16:15</b>	<b>AGENDA ITEM 3</b>	<b>Review of CD Agenda &amp; Industry Priorities</b>
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The IPM will discuss specific items on the CD's agenda. The goal is to agree to an industry position on the key agenda items and to ensure all industry representatives have an opportunity to express their positions. This is not intended as a discussion of every CD item and will not serve to repeat the full scope of what will be discussed at the CD.

### 3.B. New Project Proposals on CD Agenda

The CD has several project updates on its agenda. The project proponents will summarize these new proposals for industry delegates and then seek industry comment and support for the proposal at the CD plenary on February 24<sup>th</sup>.

3.A.i. **Latin America Regulatory Cooperation Forum** U.S. *Industry* (VWGRCC)

- 3.A.ii. **Risk Assessment Capacity Building** *U.S. Industry*
- 3.A.iii. **ABAC Circular Economy Project** *Co-Chair Advisor (VWGMD)*

<b>16:15 – 16:30</b>	<b>COFFEE BREAK</b>
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<b>16:30 – 17:30</b>	<b>AGENDA ITEM 3</b>	<b>Review of CD Agenda &amp; Industry Priorities (Cont.)</b>
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### 3.C. **Reports of Virtual Working Groups**

The CD conducts most of its work through a series of virtual working groups ("VWGs"). Industry representatives of these VWGs will seek input on any items of note from their work since SOM3 of last year. These reports are intended to:

- Summarize any documents being tabled at the CD;
- Seek industry input on any updates since CD22 (SOM1 2019); and
- Seek industry consensus on any decision points being posed to the CD.

These agenda items should not be a full summary of the updated to be presented at the CD.

- 3.B.i. **VWG on Regulatory Cooperation and Convergence (CD Agenda Item 3.B)**  
*U.S. Industry (VWG Co-Chair)*
- 3.B.ii. **VWG on GHS (CD Agenda Item 3.C)** *U.S. Industry (VWG Co-Chair)*
- 3.B.iii. **VWG on Data Exchange (CD Agenda Item 3.D)**  
*Russian Federation and Singapore (VWGDE Co-Chairs)*
- 3.B.iv. **VWG on Marine Debris (CD Agenda Item 4)**  
*Representative of VWG on Marine Debris*

### 3.C. **SAICM 2020 Preparation**

*Japan and Mexico Industry  
Singapore and U.S. Industry*

At CD21 in Papua New Guinea, the CD agreed to encourage economies to complete the SAICM Reporting Template (Doc. No. 2017/SOM3/CD/026) by December 31, 2018 to facilitate the initial preparation of a CD "regional" submission to the preparation process for the Fifth International Conference on Chemicals Management ("ICCM5") to be held in 2020. Singapore and U.S. industry will discuss industry's priorities related to SAICM reporting going forward.

### 3.D **Industry Suggestions for New CD Topics**

*Moderated by the Co-Chairs*

This will be an open discussion, moderated by the Industry Co-Chair. The goal of the discussion is for industry to identify potential items for the CD to consider adding to its agenda. This could include identifying challenges that industry is facing in the region, potential pieces of work to undertake, or any other suggestions presented by industry representatives.

- 3.D.i. **Capacity Building for International Commitments (CD Agenda Item 5.C)**

*U.S. Industry*

<b>17:30 – 17:50</b>	<b>AGENDA ITEM 4</b>	<b>Regulatory Updates from Industry's Perspective</b>
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The Industry Co-Chair will ask IPM delegates to discuss any regulatory developments in their economies of particular importance to industry. In particular, delegates will be asked to identify (a) the impacts these changes have had on business, (b) any challenges that industry has experienced, and (c) potential ways that the CD might be able to address those challenges on a regional basis.

<b>17:50 – 18:00</b>	<b>AGENDA ITEM 5</b>	<b>Conclusion and Next Steps</b>
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**5.A. Summary of Discussions**

*Advisor to the Co-Chair*

The Advisor to the Co-Chair will summarize the day's discussions and the items that the Industry Co-Chair will summarize for the CD during her introductions (Agenda Item I.B) during the following days' discussions.

**5.B. Conclusion**

*Honorary Co-Chair*

Chile will conclude the meeting by providing an overview of the logistics for the Chemical Dialogue plenary to be held in the Calbuco Room of the Hotel Enjoy, starting at 9:00 AM on the following day.

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## 五、Chemical Dialogue

### 23rd Chemical Dialogue (“CD23”): AGENDA

*August 25, 2019  
Room Calbuco, Enjoy Hotel  
Puerto Varas, Chile*

<b>09:00 – 09:40</b>	<b>AGENDA ITEM 1</b>	<b>SETTING THE SCENE</b>
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1.E. **Welcome from Government Co-Chair** **Government Co-Chair**

The Government Co-Chair will convene the second meeting of the Chemical Dialogue (“Dialogue” or “CD”) in 2019 and will offer introductory remarks encouraging delegate participation throughout the discussions, including a challenge to identify particular projects that can be undertaken to contribute to the priorities of the APEC Committee on Trade and Investment (“CTI”) and to those of Chile as the host economy.

1.F. **Welcome from Industry Co-Chair** **Industry Co-Chair**

On behalf of the Asia-Pacific Chemical Industry Coalition (“APCIC”), the Industry Co-Chair will welcome delegates to CD23 and will present a summary of the issues discussed at the Industry Pre- Meeting (“IPM”) held in the afternoon on August 24, 2019. These will include any emerging challenges that the IPM identified as well as any recommendations the IPM reached for future CD work.

1.G. **Welcome from Chile** **Chile Representative**

Representatives from the Government of Chile and its Industry will also provide welcoming remarks.

<b>09:40 – 10:00</b>	<b>AGENDA ITEM 2</b>	<b>STRATEGY AND ADMINISTRATION OF THE DIALOGUE</b>
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2.A. **Review of Alignment with CTI Priorities** **Moderated by Co-Chairs**

Meeting Documents

❖ [TBC]

Since 2014, the CTI has requested that its sub-fora include time during the second meeting of each year to “look back” at their work during the year to confirm that it helped to meet the CTI's objectives. The Co-Chairs will lead a discussion to review whether the CD continues to meet the CTI's objectives and if there are additional workstreams that the CD could undertake to improve that alignment.

Additionally, the Philippines will report on APEC's Implementation of the Boracay Action Agenda to Globalize MSMEs (BAA), the ongoing 2019 annual stocktake and preparations for the 2020 final review and reporting of progress.

2.B. **APEC Secretariat Update**

**APEC Secretariat**

Meeting Documents

❖ [TBC]

The APEC Secretariat will summarize any relevant administrative developments within APEC, including updates on the project submissions process, developments in the meeting database, and other matters of general relevance to the CD from around APEC.

2.C. **Project Proposal Process Review**

**APEC Secretariat Project Management Unit**

The CD has not had a successfully funded project proposal since 2014. This session will therefore be used to (1) train delegates on the proposal process, and then (2) brainstorm potential ideas for project submission. The APEC Secretariat Project Management Unit will provide an overview of best practices and timelines for project submissions. The Government Co-Chair will then moderate a brainstorming discussion.

<b>10:00-10:15</b>	<b>AGENDA ITEM 3</b>	<b>SHARED GOAL 1: TO FACILITATE TRADE BY EXPANDING AND SUPPORTING REGULATORY COOPERATION AND MUTUAL RECOGNITION IN THE REGION</b>
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3.A. **Regulators' Forum**

**Temporary RF Chair**

A representative of the Chair of the Regulators' Forum ("RF" or "Forum") will summarize the results from the RF that met on the previous day, the RF's 2019 work plan, and any items from the RF that require CD consideration or endorsement.

3.A.i. **Latin America Regulatory Cooperation Forum**

**Temporary RF Chair**

A representative of the Chair of the Regulators' Forum will summarize the discussion, including outcomes and key takeaways, from the Latin America Regulatory Cooperation Forum that was held on August 23, 2019.

3.A.ii **Risk Assessment Workshop**

**Workshop Convenor**

A representative from the Risk Assessment workshop held as a special session of the Regulators' Forum on the previous day will summarize the discussion, including outcomes and key takeaways, and invite comments from participants and the CD on potential next steps, including the benefits of future similar workshops hosted at upcoming CD meetings.

3.B. **Virtual Working Group on Regulatory Cooperation and Convergence**

3.B.i. **VWGRCC Work Plan**

**VWGRCC Co-Chairs (U.S. Industry; Government Co-Chair [TBD])**

Meeting Documents

❖ [TBD]

The Virtual Working Group on Regulatory Cooperation and Convergence ("VWGRCC") serves as the coordinating body for the CD's work stream on regulatory cooperation. The VWGRCC Co-Chairs will discuss relevant developments in the VWGRCC's work plan (Doc. No. 2017/SOM1/CD/002, Annex II) and moderate the remaining sub-items in this agenda item relating to particular aspects of that work plan. The VWGRCC will

also renew its call for volunteers to serve as the Government Co-Chair of the VWGRCC's efforts.

3.B.ii. **Sharing Best Practices in Chemical Regulation Self-Funded Project: Update  
The Philippines & VWG Co-Chairs**

Following the successful self-funded project related to “Sharing Best Practices in Chemical Regulation” held along the margins of CD19 in Ho Chi Minh City, Viet Nam, the CD had agreed to host technical webinars in four priority areas that were identified by participants and as noted at CD21: (1) regulatory impact assessments; (2) evaluating comments received during public consultations; (3) principles-based regulation; and (4) tools for collecting exposure information. The VWGRCC will seek updates on the call for speakers, agenda items, and proposed dates for the remaining webinars.

3.B.iii. **Customs Practices for Industrial Chemicals** **U.S. Industry**

As agreed at CD21 and carried forward at CD22, the CD will use this agenda item as an information-sharing session on best practices in chemical import requirements. Several economies will present regarding their import procedures, with an aim to identifying a set of potential best practices that the CD could endorse for use throughout the region.

<b>10:15-10:45</b>	<b>FAMILY PHOTO AND COFFEE BREAK</b>
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<b>10:45-12:30</b>	<b>AGENDA ITEM 3, CONTINUED</b>	<b>SHARED GOAL 1: TO FACILITATE TRADE BY EXPANDING AND SUPPORTING REGULATORY COOPERATION AND MUTUAL RECOGNITION IN THE REGION</b>
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3.B. **Virtual Working Group on Regulatory Cooperation and Convergence (Continued)**

3.B.iv. **Proposed Self-Funded & APEC Funded Proposals** **U.S. Industry**

Meeting Documents

❖ [TBD]

U.S. Industry will lead a brainstorming discussion on proposed new items for the VWGRCC's work plan for 2019-2020. This will include, at minimum, an APEC-funded proposal to promote capacity building on conducting risk assessments for chemical substances.

3.B.v. **Economic Importance of the Chemical Industry in APEC Economies** **U.S. Industry**

Meeting Documents

❖ [TBD] *[Draft letter for Senior Officials re: importance of the CD?]*

At CD22, the VWGRCC agreed to develop a letter to CTI and SOM to leverage the two reports endorsed between CD20 and CD21 “to reinforce the value and importance of the Chemical Dialogue and the importance of its work to meeting APEC objectives.” U.S. Industry will provide an update on this letter and other related developments.

### **3.C. Virtual Working Group on GHS**

#### **3.C.i. Implementation of VWG Workplan**

#### **VWG Co-Chairs (U.S. Industry & Singapore Government)**

##### Meeting Documents

❖ [TBD]

The VWG on the Globally Harmonized System for the Classification and Labeling of Chemicals ("GHS") ("VWGGHS") will discuss continued progress on its ongoing workplan (Doc. No. 2017/SOM3/CD/013), as well as updates on agreed-upon action items from CD22, including: (1) gathering comments on GHS's updated Terms of Reference; (2) gathering comments or updates from economies on the "Comparison of Implementing GHS Regulations Amongst APEC Economies."

#### **3.C.ii. Annual GHS Implementation Report**

#### **Australian Industry**

##### Meeting Documents

❖ [TBD]

Australian Industry will (1) provide an update on the annual GHS Implementation Report, which the CD endorsed intersessionally and which was tabled at the Ministers Responsible for Trade ("MRT") in May 2019 (Doc. No. 2019/MRT/006), and (2) provide a readout of how the new reporting mechanism worked, any lessons learned or recommendations for action by the CD, and the process and proposed timing for data collection for the 2020 report.

#### **3.C.iv. Extensions and Status of the G.R.E.A.T. Project**

#### **Chinese Taipei**

##### Meeting Documents

❖ [TBD]

Chinese Taipei will provide an update on developments related to the GHS Reference Exchange and Tool ("G.R.E.A.T.") project that it hosts, including any new information received and posted since CD22, as well as an update on Chinese Taipei's proposal that was discussed at CD22 for a new feature that provides list of priority management chemical of members economies.

### **3.D. Virtual Working Group on Data Exchange**

### **Russian Federation & Singapore**

#### **3.D.i. Implementation of the VWG Workplan**

#### **Co-Chairs**

##### Meeting Documents

❖ [TBD]

The VWG on Data Exchange ("VWGDE") focuses on information sharing, fostering cooperation between business and governments on voluntary initiatives, enhancing synergy and complementarities with other regional and international institutions and fora on the issues of mutual concern. The Russian Government and Singapore Industry, as VWGDE Co-Chairs, will introduce relevant developments in the VWGDE's work plan. This will also include an update on coordination between the VWGDE and SAICM leads regarding a single, consensus submission from the CD to SAICM, as agreed at CD22.

Meeting Documents

- ❖ [TBD]

During CD22, the VWGDE demonstrated a potential interface for the Interactive Guide on chemical regulations and discussed the potential format for the ultimate Guide. The VWGDE proposed to seek intersessional endorsement of the scope and format of the Interactive Guide, which would guide development of the Guide by SOM3 – with the goal of completing the Guide, with information in the "Executive Summary" discussed above (Agenda Item 3(b)(v)), by the end of 2019. VWGDE will discuss intersessional developments for the Interactive Guide and next steps for its development.

<b>12:30-14:00</b>	<b>LUNCH</b>	
<b>14:00-15:30</b>	<b>AGENDA ITEM 4</b>	<b>SHARED GOAL 2: TO PROMOTE UNDERSTANDING OF THE CHEMICAL INDUSTRY'S ROLE AS A PROVIDER OF INNOVATIVE SOLUTIONS FOR SUSTAINABLE ECONOMIC, ENVIRONMENTAL, AND SOCIAL DEVELOPMENT</b>

4.A. APEC Sustainable Plastics Eco SystemChinese TaipeiMeeting Documents

- ❖ 2019/SOM3/CD/XXX – APEC Sustainable Plastics Eco System – Best Practice Sharing on Business Model Innovation and Technologies Implementation

Chinese Taipei will present their concept note "APEC Sustainable Plastics Eco System – Best Practice Sharing on Business Model Innovation and Technologies Implementation" which is being submitted through the Policy Partnership on Science, Technology and Innovation (PPSTI). The project aims to help APEC member economies build profitable business models to attain sustainable growth through development of a regional cluster of relevant stakeholders involved in turning plastic waste into consumer goods by applying innovative technical processes, connecting people and providing capacity building.

4.B. VWG on Marine DebrisRepresentative of the Marine Debris VWGMeeting Documents

- ❖ 2019/SOM3/CD/XXX – VWG on Marine Debris Update
- ❖ 2019/SOM3/CD/XXX – Hong Kong, China - ABAC self-funded proposal "Building the Infrastructure for the Circular Economy in APEC"

The Marine Debris VWG ("MDVWG"), a joint working group between the CD and the Ocean's and Fisheries Working Group ("OFWG"), will present on the work it has undertaken since CD22, at which the CD agreed to welcome the update from the MDVWG (Doc. No. 2019/SOM1/CD018) and received the U.S. self-funded proposal "APEC Clean City and Ocean Initiative." This update will note progress on the ongoing objectives for the MDVWG including: (1) an update regarding OFWG 01 2018A "Update on the 2009 APEC Report on the Economic Costs of Marine Debris To APEC Economies;" (2) a concept note to help cities in APEC evaluate, assess, and improve circularity and resource efficiency; and (3) a project from Hong Kong, China and ABAC on "Building the infrastructure for a circular economy." An update regarding a possible high-level event in November will also be provided.

4.C. Approach for Marine Plastic LitterJapan

Japan will share recent outcomes from the G20 Ministerial Meeting on Energy Transitions and Global

Environment for Sustainable Growth and G20 Summit as well as its national action plan related to marine plastic litter. Japan will also update the CD regarding possible plans to organize a workshop regarding industry best practices.

<b>15:30-16:00</b>	<b>COFFEE BREAK</b>	
<b>16:00-16:30</b>	<b>AGENDA ITEM 5</b>	<b>SHARED GOAL 3: TO ENABLE EFFECTIVE COOPERATION BETWEEN INDUSTRY AND GOVERNMENTS TO IMPROVE CHEMICAL PRODUCT STEWARDSHIP AND SAFE USE</b>

**5.A. Challenges to Risk-Based Chemical Management Systems**

**U.S. Industry**

At CD21, the CD requested (1) that the Regulators’ Forum undertake capacity building work related to addressing the challenges in implementing risk-based approaches to chemicals management and (2) that economies prepare case studies for presentation at CD21 regarding their experiences in implementing risk-based systems and addressing the challenges that those systems pose. At CD22, U.S. Industry noted its intention to submit an update on new TSCA implementation as an example of how to implement a risk-based chemical management system. U.S. Industry will moderate this discussion, providing a status update regarding the TSCA implementation and any other developments since CD22. Economies interested in presenting are encouraged to identify themselves in advance of the meeting.

**5.B. SAICM**

**Singapore & U.S. Industry**

Meeting Documents

❖ [TBD]

The 3rd SAICM Intersessional Process (“IP”) Meeting will be held September 30-October 4 in Bangkok, Thailand as part of the preparation process for the Fifth International Conference on Chemicals Management (“ICCM5”) to be held in 2020. Russia, Singapore and U.S. industry will lead a discussion of APEC economies’ feedback and input on the structure, objectives, and measurable outcomes of a successor to SAICM. The goal of this session is to facilitate an outcome document for submission to the IP meeting.

**5.C. Capacity Building for International Commitments**

**U.S. Industry**

At CD21, CD delegates identified a need for additional information sharing regarding, and capacity building to meet, the requirements imposed by various international conventions to which CD delegates are party, including, for example, those made at the United Nations Environment Assembly (“UNEA”), in the Basel Convention, and in the Stockholm Convention. At CD22, the CD encouraged economies to propose specific capacity building projects the CD could undertake to facilitate implementation of CD members’ international commitments. U.S. Industry will moderate a discussion to identify potential ways that the CD could address ongoing challenges faced by APEC member economies, such as through capacity building, technical assistance, and other cooperative efforts for CD consideration that may assist economies in meeting their international obligations.

<b>16:30-17:30</b>	<b>AGENDA ITEM 6</b>	<b>INFORMATION EXCHANGE ON REGIONAL AND INDIVIDUAL ECONOMY REGULATORY DEVELOPMENTS</b>
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Meeting Documents

❖ [TBD]

Economies are invited to provide an informational update on regulatory developments in their economies since CD22. These updates are provided for informational purposes only and will not entail action items for the CD. Interested economies are encouraged to (1) notify the Co-Chairs in advance of the CD

meeting of their interest in presenting, (2) table any supporting documentation with the secretariat, and (3) to the extent possible, include a discussion of how the regulatory developments made use of, or aligned with, the CD's Best Practice Principles (Doc. No. 2017/SOM3/CD/006) and related Regulatory Checklist (Doc. No. 2017/SOM3/CD/007).

<b>17:30-18:00</b>	<b>AGENDA ITEM 7</b>	<b>RECOMMENDATIONS AND CONCLUSIONS</b>
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**7.A Summary of the Day and Action Items**

**APCIC**

A representative from the APCIC will summarize the day's discussions and read the list of agreed upon action items for revision and endorsement by delegates.

**7.B APEC Ministerial Meeting ("AMM") Statement**

**Government Co-Chair**

The CD's work was recognized by APEC Ministers several times in 2018 and its annual GHS report was tabled at the 2019 Trade Ministers meeting. The CD will discuss its progress on the items identified by the AMM in 2018 and discuss items that the Government Co-Chair could consider submitting to Senior Officials for possible inclusion in the AMM Statement to be issued at the conclusion of the 2019 APEC year.

**7.C Document Classification List**

**APEC Secretariat**

Meeting Documents

- ❖ 2019/SOM3/CD/000 – Document Classification List (APEC Secretariat)

The Secretariat will review Document Number 2019/SOM3/CD/000, as updated throughout the discussions, and seek endorsement of the final classifications.

**7.D. 2020 Preparations**

**Chile**

A representative from Malaysia will conclude the discussions with any preliminary notes about the next CD, to be held during SOM1 2020.

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## 五、會議剪影









