伍、附錄

附錄一:第17屆 OFWG 議程(文件編號: 2021/SOM3/OFWG/001)

- 附錄二:海洋委員會「APEC 運用創新科技監測海洋廢棄物能力建構研習營」 進度簡報(文件編號: 2021/SOM3/OFWG/012)
- 附錄三: 行政院環境保護署「海洋廢棄物標章倡議」簡報(文件編號: 2021/SOM3/OFWG/027)
- 附錄四: 第 27 屆 CD 議程(文件編號: 2021/SOM3/CD/001)



Asia-Pacific Economic Cooperation

> 2021/SOM3/OFWG/001 Agenda Item: 1.5

Draft Agenda

Purpose: Consideration Submitted by: OFWG Lead Shepherd



17th Ocean and Fisheries Working Group Meeting 17-18 August 2021





As of 17 August 2021

17th Meeting of APEC Ocean and Fisheries Working Group Virtual Meeting (OFWG 17 - VM) 17-18 August 2021 Time: 14h00 – 17h00 (New Zealand/UTC+12)

DAY 1

Session I – Opening Session (35 min)

1.1 Opening Remarks by Ms. Alicia Gallardo, OFWG Lead Shepherd (5 min)

1.2 Introduction of OFWG Delegates - limit to one delegate (Head of Delegation) per economy (14 min)

1.3 Remarks by Mr. James Brown, Manager of International Fisheries, Ministry of Primary Industries of New Zealand (5 min)

1.4 Photo Session (1 min)

1.5 Adoption of the Agenda and Formation of Committee to assist with drafting of Summary Report (Lead Shepherd) (5 min)

1.6 Endorsement of the (i) Summary Report for OFWG 16 meeting; (ii) OFWG Term of References 2022 – 2025; and (iii) Strategic plan 2021 – 2023 (5 min)

Session II - OFWG Projects (60 min)

Members are invited to brief on completed, ongoing and potential projects. Members are encouraged to submit their presentations for noting.

2.1 Chile (10 min)

- OFWG 03 2019: Incentives, Barriers and Policies to promote Woman inclusion in the Fisheries, Aquaculture and Maritime Sector

- **OFWG 02 2020A:** Phase II: Guide on Valuing Fishery by-products: Promotion of Sustainable Artisan Activities and Women Empowerment (with Indonesia)

OFWG 02 2021S: Transparency as a tool for a sustainable ocean economy

- [Project proposal]: Review of traceability systems applied to the value chain of fisheries and aquaculture in APEC economies

2.2 China (5 min)

- 2.2.1 [Potential project]: APEC Marine Sustainable Development Report III
- **2.2.2 [Potential project]:** 2021 APEC Training Workshop on Marine Spatial Planning based on Ecosystem Services (Virtual Meetings)





2.3 Indonesia (5 min)

- **[Potential project]:** Determining Microplastics Distribution in Coastal Aquaculture Input System and Developing its Mitigation Plan towards Seafood Safety

- [Potential project]: Capacity Building on Vessel Innovation to Combat Marine Debris

2.4 Malaysia (10 min)

- **OFWG 06 2020A:** Workshop on Vessel Monitoring System (VMS) to Combat Illegal, Unreported and Unregulated (IUU) Fishing: Sharing Knowledge, Experience and Lessons Learned

- OFWG 10 2020A: APEC Sustainable Coastal Cities Symposium

- **[Potential project]:** Capacity Building on Marine Debris Management and Monitoring from Source as River is the Major Transport Pathway

- **[Potential project]:** Sustainability of Marine Fisheries Resources and Improving Livelihood: Mapping of Community-based Management System in Coastal Small-Scale Fisheries

2.5 New Zealand (10 min)

- **2.5.1 [Completed- Workshops on 21-22 July] OFWG 01 2020A:** Capacity-building Workshop on implementation of Port State Measures under the APEC Roadmap on Combatting IUU Fishing

- **2.5.2 [Completed]:** Webinar Series on Driving Seabird Conservation through International Cooperation

2.6 Peru (3 min)

[Potential project]: Study and workshop on capacity building for improvement of economic reactivation in sustainable aquaculture

2.7 Chinese Taipei (3 min)

OFWG 09 2020A: Capacity Building on Marine Debris Monitoring by Using Innovative Technologies in APEC Region.

2.8 US (10 min)

- **2.8.1 OFWG 03 2020A:** Development of a Marine Debris Monitoring Decision Framework for APEC Economies

- **2.8.2 OFWG 08 2020A:** Enhancing Collection and Segregation of Waste to Reduce Marine Litter in the APEC Economies

- **2.8.3 OFWG 05 2020A:** Developing an APEC Best Practices Framework to Address Abandoned, Lost or Discarded Fishing Gear

- **OFWG 07 2020A:** Nano plastics in Marine Debris in the APEC Region – Regional Workshop

2.9 Viet Nam (5 min)

- **[Completed- Workshops on 27-28 July] OFWG 04 2019A:** Promoting APEC Innovative Models in Reducing and Managing Land-based Debris into Oceans for Sustainable Development





- **OFWG 04 2020A:** APEC Seminar on Promoting Circular Economy and Sustainable Materials Management to Effectively Address Marine Plastic Litter in the Asia-Pacific Region.

05 minutes break

Session III- Sustainable aquaculture and small-scale fisheries priorities (30 min)

- 3.1 OFWG Chair's presentation (10 min)
- **3.2** International Year of Artisanal Fisheries and Aquaculture (IYAFA 2022) Mr. Rohana Subasinghe, The IYAFA International Steering Committee, World Aquaculture Society (WAS) (10 min)
- 3.3 Q&A session (10 min)

Session IV: APEC Centers and Guest presentations (50 min)

4.1 APEC centers

4.1.1 APEC Marine Sustainable Development Center (10 min)

4.1.2 APEC Virtual Working Group report- Mr. Ryan MacFarlane (10 min)

4.2 Guest presentations

4.2.1 Reaffirming Port State Measures – an integral part of APEC 2021 'Build Back Better"- Mr. David Balton, Stanford Centre for Ocean Solutions

4.2.2 Brief Update on TNC's Ocean Governance Works and Intro to Ocean's Role in Providing Nature-based Solutions- Ms. Jung Chen, The Nature Conservancy.

DAY 2

Session V: Road maps implementation plans and Economies report (90 min)

5.1 General Update on IUU road map implementation plan (10 min)- by Chile

5.2 General Update on MD road map implementation plan (10 min) - by US

5.3 Members Economies report on their advances the Implementation Plans for the 2 Roadmaps: economies may report also general actions on topics within the scope of the OFGW, and can be included by means of a document sent as "Item for noting" and the presentation at the meeting should consider a summary with the most outstanding aspects (time limit for each member: 5 min)

- 5.3.1 Canada
- 5.3.2 Chile
- 5.3.3 Indonesia

5.3.4 Japan

- 5.3.5 Chinese Taipei: Recycled Marine Debris Product Label Initiative.
- 5.3.6 Thailand: Floating marine debris in major-river mouths in Thailand.

05 minutes break





Session VI- Looking ahead (30 min)

6.1 Updates from the Secretariat: overview of project sessions outcome and fora assessment

6.2 Presentation by 2022 Host economy Thailand on preparations/priorities for APEC year 2022 and emerging topics/initiatives relating to OFWG work- Mrs. Sumana Kajonwattanakul, Director of Marine and Coastal Resources Research and Development Institute, Department of Marine and Coastal Resource

6.3 Discussion on the draft 2022 Work Plan prepared by Lead Shepherd.

Session VII- Closing session and other matters (20 min)

- 7.1 Classification of Document by the Secretariat.
- 7.2 Closing remarks by Ms. Lead Shepherd Alicia Gallardo.



Asia-Pacific Economic Cooperation

> 2021/SOM3/OFWG/012 Agenda Item: 2.7

Project Update: Capacity Building on Marine Debris Monitoring by Using Innovative Technologies in APEC Region

Purpose: Information Submitted by: Chinese Taipei



17th Ocean and Fisheries Working Group Meeting 17-18 August 2021





OFWG 09 2020A Capacity Building on Marine Debris Monitoring by Using Innovative Technologies in APEC Region.

> Ocean Affairs Council Chinese Taipei

The Project Overseer Mr. Jung, Ocean Affairs Council chunhao@oac.gov.tw

Capacity Building on Marine Debris Monitoring by Using Innovative Technologies in APEC Region.



Chile, Indonesia, Republic of Korea, Thailand, United States, and Viet Nam



Organizing a 2-day hybrid workshop and a 1-day sites visit in Taipei (March 2022)



Deal with the inefficiency and labor intensity in monitoring via innovative technologies.

Marine Debris Monitoring via innovative technologies



Identification and classification



Tracing and Prediction trajectory

Objectives

- 1) sharing information on effective marine debris monitoring approaches and best practices.
- Inviting economies to share their best practices and to build up connection.
- 3) formulating recommendations on building a monitoring network.

The APEC Roadmap on Marine Debris and the Implementation Plan



Asia-Pacific Economic Cooperation

> 2021/SOM3/OFWG/027 Agenda Item: 5.3.5

Recycled Marine Debris Product Label Initiative

Purpose: Information Submitted by: Chinese Taipei



17th Ocean and Fisheries Working Group Meeting 17-18 August 2021 .





Recycled Marine Debris Product Label Initiative

Wen-yi Wei Deputy Executive Director Recycling Fund Management Board (RFMB) of EPA Chinese Taipei OFWG 17 August 18, 2021 Advancing Prosperity

Content

- A. Background
- **B. Our Effort**
- **C. Label Initiative**
- **D. Future Outlook**



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Recycling Accomplishment

Recycling Rate: 55.14%

Waste Collection Rate: 96.34%

Waste generated/capita/day: 1.04kg



Source: EPA (https://www.epa.gov.tw/DisplayFile.aspx?FileID=6914109F9A9FC46E&P=6622eaa1-27cb-4c13-8776-b431e3849e8e)

Economic Cooperation

Asia-Pacific

APEC

Why Promote Marine Debris Circular Economy

- Chinese Taipei is surrounded by the ocean, and the coastline of main Island is 1,200 km.
- Marine debris comes along with ocean current and monsoon.



https://marinedebris.noaa.gov/info/patch.html

- Raise awareness on the impact of marine waste to the creature and environment
- Educate people to take action to protect the ocean
- Possess the technology and capability of marine debris recycling Asia-Pacific Economic Cooperation APEC



Visibility of Our Effort



Parley for the Ocean X Adidas X FENC Source: https://english.cw.com.tw/article/article.action?id=2439





LITEON

SKB





Patagonia X Bureo X FTC Source: https://bureo.co/pages/netplus





Hibang



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Demonstration and Promotion Project on High Quality Recycling of Marine Debris

- connecting supply chains of related industries, making clothes from waste PET bottles collected from the ocean and beaches
- Collaborating with the local community and businesses, EPA made its first recycled marine debris T-shirt (containing 96% marine debris)



Collection record	pnomic Co	Input / Output record	\Longrightarrow	Virgin/recycled material ratio	Final Check	
						25

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	Protection Administration
Application	verification statements
Application Documents	verification reports Ensure marine origin
	 verification plan
	 collection time, location, personnel, estimated number of people, and the weight of marine debris
	 entry and exit records of the storage site
- 35,	 composition and proportion of the main raw material, production process, basic product information, product specifications and sampling plans of the manufacturing plant .
Certification	any domestic or foreign certification institute that conforms to both
Qualification	 ISO 17065: capable of verifying the operation of the management mechanism for the source
	 ISO 17021: capable of verifying the production of marine debris
Asia-Pacific Economic Coope	eration

Operation Directions for Recycled Marine

Debris Product Label, Environmental

Marine Debris Definition

Label Guidelines

waste that has been disposed of or washed by tides into the coastal or marine environment

Any recycled material collected prior to coastline IS NOT marine waste





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Recycled Marine Debris Product Label

- Manage by the Recycling Fund Management Board (RFMB) of EPA
- Regulation guidelines issued in May 2021
- First government sponsored
 marine debris label system



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Design

- wave represents the oceans
- discarded plastic bottle represents marine debris and symbolizes waste that is yet to be repurposed
- curved waves lift the plastic bottle to form a sustainable cycle



Asia-Pacific Economic Cooperation

Label Eligibility

Scenario Process	1 Collecting, recycling, and manufacturing domestically		2 Collecting, recycling and manufacturing into product all done abroad		3 Collecting and recycling done by entity abroad, manufacturing into product domestically		4 Collecting and recycling domestically, product manufacturing by entity abroad		5 Collecting abroad, recycling and manufacturing domestically	
/Location	Domestic	Abroad	Domestic	Abroad	Domestic	Abroad	Domestic	Abroad	Domestic	Abroad
Marine Debris Collecting	0			0		0	0			0
Recycling	0			0		0	0		0	
Product Manufacturing	0			0	ο			ο	0	
Certification Body	Any certification body recognized by the TAF or IAF									
Target	Brands, recyclers or product manufacturers									

Future Outlook

Expand initiative to global community

- Invite foreign business to apply
- Raise marine debris awareness

Adopt as an international standard

- Collaborate with other certification bodies
- Interchangeable system

Share recycling and circular economy experience Promote international cooperation

APEC 4

Asia-Pacific Economic Cooperation

SUSTAINABLE GOOLALS

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Thank You







2021/SOM3/CD/001

Draft Agenda

Purpose: Information Submitted by: CD Co-Chairs



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27th Chemical Dialogue 10-12 August 2021



27th Chemical Dialogue ("CD27") AGENDA

10 - 12 AUGUST 2021

Relevant documents may be found on the APEC Collaboration System (ACS): here

10 August 2021 – APEC Chemical Dialogue Meeting (Day 1)					
23:00 – 00:40 NZT	1. Chemical Dialogue Regulators Forum				
	1.1 Welcome from Government Co-Chair				
23:00-23:05 (5 min)	Kent Shigetomi, Chemical Dialogue Government Co-Chair				
	The Government Co-Chair will convene the Chemical Dialogue Regulators Forum and provide a brief outline of the objectives and operating procedures for the virtual meeting.				
23:05-00:05 (60 min)	 1.2 Regulatory Updates Due to COVID-19 submission of written regulatory updates are encouraged. Thi session will allow for those economies that have tabled written updates to briefli introduce them. APEC economies are also invited to provide short intervention regarding recent activities in their economies. Economy interventions (TBC) Australia Chile Indonesia Mexico New Zealand Philippines Russia Thailand United States Viet Nam 				

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	1.3 Regulatory Cooperation in ASEAN	
	Cissie Yeung, Singapore Chemical Industry Council	
0:05-00:15 <i>(10 min)</i>	Meeting Documents	
(10 11111)	 2021/SOM3/CD/1.3 Updates of ARCP 	
	This session will discuss the latest regulatory cooperation activities within ASEAN.	
	1.4 Regulatory Cooperation in Latin America	
	 Alejandra Acosta, Regulatory Cooperation LATAM, ICCA Consultant 	
00:15-00:25 <i>(10 min)</i>	 Meeting Documents 2021/SOM3/CD/1.4 – Regulatory Cooperation in LATAM 	
	This session will discuss the latest regulatory cooperation activities in the Latin America	
	region.	
	1.5 Regulatory Cooperation Checklist	
	Ed Brzytwa, Virtual Working Group on Regulatory Cooperation and Convergence	
00:25-00:35 <i>(10 min)</i>	Meeting Documents 2021/SOM3/CD/1.5 – APEC Regulatory Cooperation Checklist 	
	This session will provide regulators an overview of the Regulatory Cooperation Checklist, why it is important, and how it can be used.	
	Day 1 Closing	
	1.6 Meeting Summary	
00:35-00:40 <i>(5 min)</i>	Dj Wolff, APCIC	
()	A representative from the APCIC will summarize the day's discussions.	
END DAY 1		



11 August 2021 – APEC Chemical Dialogue Meeting (Day 2)					
23:00-23:10 NZT (10 min)	2. Welcome and Introductions				
23:00-23:05 <i>(5 min)</i>	 <u>2.1 Introduction from Government Co-Chair</u> Kent Shigetomi, Chemical Dialogue Government Co-Chair The Government Co-Chair will convene the second meeting of the Chemical Dialogue ("Dialogue" or "CD") in 2021 and provide a brief outline of the objectives and operating procedures for the virtual meeting. 				
23:05-23:10 (5 min)	 <u>2.2 Welcome from Industry Co-Chair</u> Sergio Barrientos, Chemical Dialogue Industry Co-Chair On behalf of the Asia-Pacific Chemical Industry Coalition ("APCIC"), the Industry Co-Chair will welcome delegates and provide a brief summary of industry specific developments since CD26. 				
23:10-23:20 NZT (20 min)	3. APEC 2021 Update				
23:10-23:20 (10 min)	 <u>3.1 APEC Secretariat Update</u> <u>David Barrientos</u>, APEC Secretariat <u>Meeting Documents</u> 2021/SOM3/CD/3.2 – Management Update The APEC Secretariat will briefly summarize any relevant administrative developments within APEC, including updates on the project submissions process, the sub-fora assessment process, the renewal of sub-fora mandates, and the renewal of the CD's terms of reference, as well as and other matters of general relevance to the CD from around APEC. 				
23:20-23:50 NZT (30 min)	4. Regulatory Cooperation and Convergence				

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	4.1 Virtual Working Group on Regulatory Cooperation and Convergence
	Ed Brzytwa, VWG on Regulatory Cooperation
23:20-23:30 (10 min)	Meeting Documents 2021/SOM3/CD/4.1 – APEC Regulatory Cooperation Checklist
	An update regarding implementation of the VWG on regulatory cooperation work plan will be provided including updates regarding the proposed Regulatory Cooperation Checklist.
	4.2 OECD Mutual Acceptance of Data (MAD) System
23:30-23:40	Bob Diderich, OECD
(10 min)	This session will provide an overview of OECD MAD System, including the OECD Guidelines for the Testing of Chemicals and the OECD Principles of Good Laboratory Practice (GLP).
	4.3 Risk Assessment Project
	Andy Liu, Chemours
	Meeting Documents
	 2021/SOM3/CD/4.3 – Facilitating Trade by Improving Risk Assessment Capacity Presentation
23:40-23:50 (10 min)	 2021/SOM3/CD/4.3a – Summary Report for February 2021 APEC CD Risk Challenge Virtual Workshop
() () ()	 2021/SOM3/CD/4.3b – Summary Report for June 2021 APEC CD Risk Challenge Virtual Workshop
	This session will provide an opportunity for delegations to share experiences on performing risk assessments as well as provide an update on the APEC funded project <i>CL 01 2020T</i> "Facilitating Trade by Improving Risk Assessment Capacity."
23:50-23:55 NZT (5 min)	Day 2 Closing
	4.4 Meeting Summary
23:50-23:55 (5 min)	Dj Wolff, APCIC
. ,	A representative from the APCIC will summarize the day's discussions.
	DAY 2 END

12 August 2021 – APEC Chemical Dialogue Meeting (Day 3)				
23:00-23:05 NZT (5 min)	5. Meeting Opening			
23:00-23:05	5.1 Opening from Government Co-Chair			
(5 min)	Kent Shigetomi, Chemical Dialogue Government Co-Chair			
	The Government Co-Chair will open the final day of the 27th APEC Chemical Dialogue.			
23:05-23:25 NZT (20 min)	6. Globally Harmonized System for the Labelling and Classification of Chemicals (GHS)			
	6.1 Virtual Working Group on GHS			
	Fabien Henry, VWG on GHS, Industry Co-Chair			
	Meeting Documents			
23:05-23:15 <i>(10 min)</i>	 2021/SOM3/CD/6.1- APEC CD GHS VWG Presentation 2021/SOM3/CD/6.1a – 2021 GHS Implementation Report 			
(10)(((()))	 2021/SOM3/CD/6.1b – GHS Recommandations - Executive Summary 			
	 2021/SOM3/CD/6.1c – APEC CD Convergence Proposal Letter 			
	An update regarding implementation of the VWG on GHS work plan will be provided.			
	6.2 Extensions and Status of the G.R.E.A.T. Project			
	Ellen Lin, SAHTECH, Chinese Taipei			
	Meeting Documents			
23:15-23:25 (10 min)	2021/SOM3/CD/6.2- Update on G.R.E.A.T. Project			
(10 mm)	2021/SOM3/CD/6.2a – G.R.E.A.T. Website			
	Chinese Taipei will deliver a short update on the GHS Reference Exchange and Tool ("G.R.E.A.T.") project and website.			
23:25-23:35 NZT (10 min)	7. Data Exchange			
	7.1 Virtual Working Group on Data Exchange			
	 Natalia Druzhinina, CIS Center, Russia 			
	Cissie Yeung, Singapore Chemical Industry Council (SCIC)			
23:25-23:35 (10 min)	Meeting Documents			
(10 min)	 2021/SOM3/CD/7.1- Report of Virtual Working Group Data Exchange 			
	2021/SOM3/CD/7.1a – Interactive Guide on Chemical Regulation Progress Report 2021/SOM3/CD/7.1b – Concept Note on Solf Funded Project			
	 2021/SOM3/CD/7.1b – Concept Note on Self-Funded Project 			

	An update regarding implementation of the VWG on Data Exchange work plan including an update on the proposed series of informational webinars will be provided.			
23:35-00:20 NZT (45 min)	8. Marine Debris and Sustainability			
23:35-23:45 (10 min)	 8.1 Virtual Working Group on Marine Debris Ryan MacFarlane, Virtual Working Group on Marine Debris 2021/SOM3/CD/8.1 - VWG on Marine Debris Update 2021/SOM3/CD/8.1a - Summary Report - 2020 APEC Marine Debris Webinar Series The coordinator for the Virtual Working Group on Marine Debris will present on the work it has undertaken since CD26, as well as related work taking place in the CTI, OFWG, PPSTI, ABAC and other fora. 			
23:45-00:00 (15 min)	 8.2 Chemical Recycling Presentation Prapti Muhuri, American Chemistry Council (ACC) Meeting Documents 2021/SOM3/CD/XXX - This session will provide a presentation on chemical recycling. 			
00:00-00:10 (10 min)	 8.3 Marine Litter / Sustainability Presentation Toshihiko Higuchi, Japan Chemical Industry Association (JCIA) <u>Meeting Documents</u> 2021/SOM3/CD/8.3 - Introduction of Educational DVD on plastic by JaIME JCIA will provide a presentation on marine litter and sustainability and introduce an educational DVD on plastic by JaIME. 			
00:10-00:20 (10 min)	 8.4 Recycled Marine Debris Product Label Initiative Ms. Wen-yi Wei, Deputy Executive Director of Recycling Fund Management Board (RFMB) of EPA Meeting Documents 			
00:20-00:35 NZT (15 min)	9. Meeting Summary and Next Steps			
00:20-00:30 (10 min)				

v. 9 August, 2021

	9.1 Meeting Summary		
	Dj Wolff, 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.		
	9.2 Document Classification		
	David Barrientos, APEC Secretariat		
00:30-00:35 <i>(5 min)</i>	Meeting Documents 2021/SOM3/CD/XXX - Document Classification List		
	The APEC Secretariat reviewed the Document Classification List and will ask delegates to endorse any revisions.		
	END 27 th CHEMICAL DIALOGUE		

Economy	Local time for 11:00 pm NZDT
Australia	9:00 pm
Brunei Darussalam	7:00 pm
Canada	7:00 am
Chile	7:00 am
China	7:00 pm
Hong Kong, China	7:00 pm
Indonesia	6:00 pm
Japan	8:00 pm
Korea	8:00 pm
Malaysia	7:00 pm
Mexico	6:00 am
New Zealand	11:00 pm
Papua New Guinea	9:00 pm
Peru	6:00 am
The Philippines	7:00 pm
Russia	2:00 pm
Singapore	7:00 pm
Chinese Taipei	7:00 pm
Thailand	6:00 pm
USA	7:00 am
Viet Nam	6:00 pm