

出國報告（出國類別：國際會議）

出席「亞太經濟合作（APEC）海洋與漁業工作小組第5次會議」

服務機關：行政院環境保護署

姓名職稱：主任研究員張宣武

派赴國家：菲律賓長灘島

出國期間：104年5月9日至13日

報告日期：104年7月16日

摘要

本次亞太經濟合作(APEC)海洋與漁業工作小組(OFWG)第 5 次會議於本(2015)年 5 月 10 至 12 日在菲律賓長灘島召開，由主事人菲籍 Atty. Asis Perez 擔任會議主持人，計有 16 個經濟體出席，會議重要結果如次：

- 一、由於 2014 年的 OFWG 3 會議中，修正了職權範圍(Terms of Reference)，取消副主席一職，改以「主席之友」取代，因此邀請各會員經濟體自願加入主席之友，俄羅斯、巴布亞紐幾內亞及越南於本次會議表示願加入主席之友(Friends of the Chair)，目前主席之友共計 8 個經濟體，分別如下：中國大陸、日本、美國、菲律賓、秘魯、俄羅斯、巴布亞紐幾內亞及越南。主席之友的參與仍將持續開放，會員體可透過秘書處表達參與意願。
- 二、本年 5 月 10 日中午我團接受獨立評鑑員 Mr. Grame Drake 訪談，訪談內容包括我國對 APEC 及 OFWG 看法、OFWG 應討論之議題、OFWG 之計畫、藍色經濟、對經濟與技術合作指導委員會(SCE)及秘書處之建議、計畫的評分方式等議題，我團依據行前會所擬定之立場及相關談話資料回復。
- 三、虛擬工作小組(VWG)海洋垃圾工作計畫：經各經濟體無異議同意於本次會議通過。
- 四、OFWG 糧食安全行動計畫：美國於 5 月 10 日下午 1 時召開「OFWG 糧食安全行動計畫草案」小組會議，其中，經智利反應後，美國同意刪除草案中有關漁業補貼部分；5 月 11 日，越南希望能修改草案，並加入越南關切天災因應復建準備事項，惟中國大陸針對越南欲加入之事項持不同意見，主席與美國促請中國大陸與越南化解文意歧見並達成協商；5 月 12 日，遂經各經濟體同意下亦於本次會議通過。
- 五、糧食安全暨藍色經濟之高階政策對話(HLPD-FSBE)：
 - (一) 菲方說明 HLPD-FSBE 會議將於本年 10 月 4 至 6 日於菲國 Iloilo 舉行，邀請對象為各經濟體資深官員、APEC 企業諮詢委員會、太平洋島國論壇秘書處、太平洋經濟合作委員會及東協(ASEAN)秘書處，預計將於 5 月底向各經濟體發送邀請函，並擬於 9 月確認出席狀況。
 - (二) 菲方續說明擬於 HLPD-FSBE 會議中通過「糧食安全暨藍色經濟行動計畫」，該計畫優先領域為打擊非法漁業、生物多樣性及藍色經濟。美國、日本及我團表示打擊非法漁業議題恐與區域性漁業管理組織任務重疊，且 APEC 屬無法律拘束力之論壇，應謹慎考慮是否納入此議題。會中因討論無法獲得具體

成果，故我團建議可修改草案中具有強制性之文字為宜，日、中與越南亦欲修改草案內容，惟主席不允協商，另菲方強調該文件屬主辦國倡議，無需經過 OFWG 通過，菲方有權決定是否接受各經濟體提出之意見；我團遂再次發言提醒 APEC 乃採「共識決」之論壇，任何倡議、計畫或文件皆需經過所有經濟體同意。主席遂經 APEC 秘書處代表確認後，特即感謝我方提醒。鑑於本次會議中無法達成具體文件內容，故於會議紀錄中將其列為會後未來工作項目之一，仍期各經濟體繼續配合主辦經濟體建立可能共識，以應時需。

- (三) 另 HLPD 會議涉及 5 月 13 日至 15 日召開「糧食安全政策夥伴論壇(PPFS)」會議之討論結果，該會議我團係由行政院農業委員會國際處代表出席，爰此，將待亦擔任 PPFS 主席之 Atty. Perez 召開會議討論後之最終發展結果，再由菲國一併彙整憑辦。

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壹、緣起及目的

亞太經濟合作(APEC)海洋與漁業工作小組 (Ocean and Fisheries Working Group, 下稱本工作小組) 會議於 2015 年 5 月 10 日至 12 日在菲律賓 Boracay Island 舉行, 係本工作小組於 APEC 海洋資源保育工作小組與漁業工作小組於 2011 年合併後所舉行之第 5 次會議。本次會議目的係討論本工作小組重要工作事項, 包括本小組運作、海洋環境保護、糧食安全、氣候變遷、藍色經濟、及「糧食安全暨藍色經濟之高階政策對話」等議題。

貳、會議出席代表

本次工作小組會議出席會員包括智利、中國大陸、香港、印尼、日本、韓國、馬來西亞、巴布亞紐幾內亞、秘魯、菲律賓、俄羅斯、新加坡、泰國、美國、越南及我國等 16 個會員體。我方出席人員為行政院環境保護署主任研究員張宣武及國立臺灣海洋大學劉光明教授、行政院農業委員會漁業署簡派技正郭宗海及對外漁業發展協會吳佳峻助理。本次會議 APEC 秘書處 Alex Rogers、企業諮詢委員會(ABAC)及 Partnerships in Environmental Management for the Seas of East Asia (PEMSEA)等代表列席。

參、會議過程

一、會議參與情形

會議由本工作小組主事人菲律賓 Atty. Asis Perez 擔任主席, 由 APEC 秘書處 Program Director Mr. Alex Rogers 協助主席解釋 APEC 規定與文件處理等事務。本次會議由美國擔任會議紀錄(Rapporteur)草擬會議結論報告, 並組成主席之友(Friends of the Chair)小組, 包括中國大陸、日本、巴布亞紐幾內亞、秘魯、菲律賓、俄羅斯、美國及越南。

二、5 月 10 日會議重點

- (一) 本工作小組策略計畫：海洋與漁業工作小組策略計畫之執行期程為 2013 年至 2015 年, 預計本年年底屆期。本次會議爰討論新策略計畫之草擬程序。主席建議由「主席之友小組」在會議結束後草擬草案, 完成後周知各會員體提供修正意見, 並據以修正再請各會員體認可(endorsed)。本次會議未就實質內容進行討論。美國表示希望未來的策略計畫能符合領袖與部長所揭示的方向, 以行動為導向, 具清楚的架構。
- (二) 主席請各經濟體分享有關海洋議題的相關活動與成果, 包括我國、巴布亞紐幾內亞、泰國、菲律賓、日本、韓國、智利、馬來西亞、秘魯、美國、中國

大陸以及香港等 12 個經濟體發表各經濟體的海洋相關活動成果。

我方說明鯊魚資源養護管理措施、海洋保護區管理與執法、減少延繩釣漁業意外捕獲海鳥國家行動計畫、降低漁撈努力量、推動資源培育、推動棲地環境維護及強化保育與管理作為等。此外我方亦說明我國甫於本(104)年於 104 年 2 月公布「海岸管理法」，將於此法公告施行後半年內劃定海岸地區範圍，並在 2 年內公告實施包含一、二級海岸保護區、防護區的「整體海岸管理計畫」，並於 104 年 3 月提出「海漂垃圾處理方案」，就海洋垃圾之源頭減量，期通力合作以減少陸域廢棄物進入海洋環境。

- (三) 本日午餐時段我團接受獨立評鑑員 Mr. Grame Drake 訪談，其中訪談內容包括我國對 APEC 及 OFWG 之看法、OFWG 應討論之議題、OFWG 之計畫、藍色經濟、對 SCE 及秘書處之建議、計畫的評分方式等議題，我方根據行前會所擬定之立場及相關談話資料回復 Mr. Drake。Mr. Drake 表示會員體在本年 5 月 22 日前可自由提供問卷的書面資料，渠將於 5 月底完成初稿，預計 6 月底完成式報告，以提供本工作小組撰擬策略計畫之參考。

另美國於本日下午 1 時整於會場召開「OFWG 糧食安全行動計畫草案」之小組會議，我方由漁業署郭簡派技正宗海、吳佳峻助理及國立臺灣海洋大學劉教授光明與會，會議中經智利反應後，美國同意刪除草案中有關漁業補貼部分。該份草案將於明日提至 OFWG 會議詳細討論。

- (四) 下午開會期間，我團由國立臺灣海洋大學劉光明教授向各經濟體簡報有關我國主辦之「第 15 屆 APEC 企業/私人部門參與海洋環境永續性圓桌會議簡報」：我方報告去(103)年在臺南成功大學舉行之第 15 屆 APEC 企業/私人部門參與海洋環境永續性圓桌會議，計有中國大陸、印尼、日本、韓國、馬來西亞、菲律賓、美國、越南及我國等 9 個會員體派員參加，會議討論主題為溼地保育與鰻魚資源保育及管理。會中並報告該次圓桌會議與會者對 APEC 海洋與漁業工作小組之數項建議。此外，亦說明第 16 屆圓桌會議預定於本年 10 月 28 至 30 日在臺北舉行，會議主題為氣候變遷與海洋資源，以及海洋能源兩議題，我方於會中邀請各會員體派員出席，參加報告會員講者請於本年 9 月 24 日前提供摘要。有關第 17 屆圓桌會議新計畫提案，APEC 秘書處建議填寫 Concept Note，以電子郵件方式徵詢其他會員體之同意認可後辦理。

- (五) 韓國發表「APEC 區域對於海上漏油之防範、應變及評估計畫-第一期」

(Preparedness, Response and Assessment of Oil Spill(PRAOS) in the APEC Region, Phase I)研究成果，提及我國亦為本計畫之共同提案人之一，並說明海上漏油意外不僅造成海洋大規模突發性之污染，且嚴重傷害海洋生態系，此將直接中斷並影響 APEC 區域內之貿易、成長及生計。因漏油意外而導致的損害程度取決於兩項因素：預防及應變。此外，漏油污染將嚴重影響跨國海洋資源貿易之穩定性以及 APEC 區域之成長。為降低漏油意外產生的影響，本計畫之各階段將會與相關的國際組織達成合作（如國際海事組織），以建立一套可應用於全球之策略行動計畫。

- (六) 日本簡報有關於 5 月 9 日所舉行之「氣候變遷之於海洋與漁業資源衝擊研討會」之成果，並表示會在明日「氣候變遷」議程中進行詳細說明。
- (七) 美國發表「APEC 區域內海岸生態系之綠色基礎建設對於降低災害風險及應變與海岸復原之經濟價值評估計畫」，並說明海岸資源之固有價值難以直接與其他具有經濟附加價值之服務做比較，因此許多經濟體嘗試評估海岸服務所帶來的經濟效益。全球海岸生態系估計每年帶來 250 億美元之商品與服務經濟價值。然而決策者難以從全球性的數值中掌握針對特定區域之政策制定與管理資訊，特別是有關降低災害風險、海岸復原，以及在區域、國家或地方性層級海岸生態系之經濟效益。本研究將會產出針對 APEC 區域內海岸生態系之綠色基礎建設對降低災害風險及應變與海岸復原之經濟價值評估。
- (八) 秘書處主管 OFWG 事務 Mr. Alex Rogers 簡報有關 OFWG 所提交計畫之狀況，說明 OFWG 3 個報告，都具有高度水準，但並沒有獲得 APEC 資助，但仍保有第一級(Rank1)資格，而秘魯的計畫是最接近獲選名單之計畫，同時解釋 APEC 所有論壇共計提出 112 個計畫，僅有 42 個獲得資助(funded)。爰此，有關 OFWG 現已通過的三項計畫，各經濟體可考慮轉為自主支應，若不轉為自主支應，則必須再度於第二階段提出，並進行相關程序。
- (九) 馬來西亞報告有關「建立海洋生物毒素相關實驗室之能力建構」計畫案，並說明因攝取水產品（特別是受麻痺性甲殼類毒素污染之貝類）而導致中毒之事件在亞太區域漸趨頻繁，且可能導致患者就醫治療甚至死亡。麻痺性甲殼類毒素是由海洋有毒藻類所產生，並且在過去三十年，菲律賓及馬來西亞皆有患者因中毒而死亡之紀錄。為了降低該物質之跨國運輸管制程度、確保公共安全並促進亞太區域貿易，本計畫之目的係幫助 APEC 經濟體提昇現有之實驗室達到認證標準，並取得能夠生產該類毒性物質生產之科技。

(十) 海洋垃圾虛擬工作小組(Virtual Working Group on Marine Debris, VWG)由「化學對話(Chemical Dialog)」與本工作小組於 2014 年 7 月 13 日成立，以創新作法解決海洋垃圾(Marine Debris)問題，並強調永續陸源污染管理。海洋垃圾虛擬工作小組之職權說明書(Term of Reference, ToR)分別於本年 2 月 15 日由「化學對話」小組通過，本年 4 月 1 日由本工作小組通過。職權說明書記載 VWG 的目標，包括促進塑膠製品回收，引導創新作法，教育與資訊分享，在既有公私夥伴關係推動工作，分享最佳作法，建構夥伴關係等。VWG 之成員由 APEC 會員體之公私部門組成，為利於管理，參與之會員體請指定單一聯絡點，再由該聯絡點傳遞資訊至其會員體內部相關組織及人員。VWG 將由政府部門及私人部門各一名擔任共同主席(co-chair)，並以兩年為任期，並依據工作計畫（2015 至 2017 年）執行，工作小組將以電話或視訊會議進行會議。美方於會中邀請各會員體參加 VWG，目前成員為加拿大、馬來西亞、日本、菲律賓及美國等會員體。

VWG 之 2015 年工作計畫草案重要項目包括：(1)草擬基線報告，瞭解各會員體執行現況，評估工作進展及受到阻礙之處，以利未來工作推動。(2)主辦「認知提升(Awareness Raising)」，可能於本年第 3 次資深官員會議(SOM 3)或其他 APEC 活動舉行之際，舉辦認知提升的會議。(3)促進高階創新技術，可於前項會議中邀請創新技術廠商出席展示。VWG 2015 年工作計畫於本次會議中通過。

(十一) 東亞水域環境管理夥伴關係(PEMSEA)報告有關海岸管理與海洋及漁業之整合，該組織係東亞海域實踐永續發展策略之區域合作機制，主要工作內容著重於東亞海岸管理整合(Integrated Coastal Management, ICM)，我方於 PEMSEA 報告結束後表示，感謝該組織的詳盡報告及努力，同時請 PEMSEA 以該組織的角度定義藍色經濟，並提出該組織就藍色經濟的內容舉例說明。PEMSEA 感謝我方提問，並復以由於藍色經濟係一創新之概念，該組織目前對藍色經濟尚未有明確的定義，惟將會於本年度 11 月份時提出完整說明，且會在明日藍色經濟的議程中簡報相關內容。

三、5 月 11 日會議重點

(一) 糧食安全議題

1、OFWG 糧食安全行動計畫

美國繼昨日下午1時整召開「OFWG糧食安全行動計畫草案」之小組會議後，於本日上午正式於會議中將OFWG糧食安全行動計畫提請大會討論。

日本於美國結束報告後表示，由於糧食安全議題與APEC糧食安全政策夥伴論壇(PPFS)有密切關係，詢問OFWG應如何與PPFS於糧食安全之議題上進行合作。美國表示糧食安全行動計畫業經小組會議討論，惟不清楚OFWG與PPFS之間的合作程度，主席表示其身兼OFWG與PPFS兩部門之主席，會盡力促成雙邊合作。我方發言建議，可透過OFWG既有之策略計畫中有關糧食安全部分之目標內容，與本糧食安全行動計畫結合，俾便與PPFS合作，美國感謝我方之建議。

主席於休息時間邀請我國、美國、日本、韓國、中國大陸、新加坡、秘魯、越南、俄羅斯以及巴布亞紐幾內亞討論本行動計畫草案，主席表明本文件是專屬於OFWG的文件，並非與PPFS使用之共同文件，各經濟體在昨日的討論中取得進展，但少數經濟體間意見仍有些許不同，且因越南昨日並未參與小組會議討論，故希望能修改草案，並加入越南關切天災因應復建準備事項；惟中國大陸針對越南欲加入的事項持不同意見，且進一步表示廈門宣言即已具有糧食安全章節，不希望本行動計畫成為另一份宣言，主席建議中國大陸與越南自行協商討論，美國表示在不改變本行動計畫之目標與宗旨的情況下，願接受中國大陸與越南的協商結果，並修改文件。

2、海岸生態養殖之實踐－循環養殖模式之發展

本節由中國大陸報告其所進行之「海岸生態養殖之實踐－循環養殖模型之發展」，表示近年來，中國大陸政府著手進行沿岸養殖區改造，將廣泛且密集之沿岸養殖漁業轉型成為符合生態環境之養殖漁業。許多科學機構與地方政府實踐沿岸生態環境養殖漁業模式，以適應當地之生態環境情況。循環養殖模式之優點在於節省能源、低度碳排放量、避免海洋污染以及增高產量。

(二) 與糧食安全政策夥伴論壇(PPFS)互動合作議題

由於OFWG主席同時身兼PPFS主席，主席特別簡介PPFS主席之輪值模式，由該年度APEC主辦經濟體擔任會議主席，上年度與下年度之主辦經濟體則分別擔任副主席，本節討論項目主要集中於如何促進OFWG與PPFS之間的合作關係，以及如何將OFWG糧食安全行動計畫、PPFS糧食安全路徑圖與HLPD之行動計畫加以整合，惟本節之討論並無結論。

(三) 氣候變遷議題

日本於本節報告 5 月 9 日所舉辦之氣候變遷對於海洋與漁業資源衝擊研討會內容，該研討會之議題包括氣象學觀點下之氣候變遷、氣候變遷對海洋環境之影響、氣候變遷對海生態系之影響及調節措施、海洋酸化、海洋生物多樣性、氣候變遷對海洋生態系之影響等專題。我方發言表示，感謝日本用心籌備研討會，並對於議題感到印象深刻，然而氣候變遷之議題遠超出 OFWG 之專業能力範圍，因此 OFWG 如何協助減緩氣候變遷的影響，可參考包含 2002 年首爾宣言、2005 年峇里行動計畫、2010 年巴拉卡斯行動計畫以及 2014 年廈門宣言等累積之努力成果；另亦藉此機會向各經濟體宣傳我方將於本年 10 月圓桌會議繼續討論氣候變遷議題，邀請各經濟體屆時亦能踴躍出席。

(四) 藍色經濟

1、中國大陸之藍色經濟簡介

中國大陸於本節報告該政府之「APEC 海洋可持續發展中心」於去年在印度洋及非洲等非屬 APEC 經濟體區域所舉辦之幾次藍色經濟會議，並宣傳即將於葡萄牙舉行藍色經濟會議，同時預計將舉辦第三屆 APEC 藍色經濟論壇。

美國及日本等會員體表示如未經本工作小組同意，不宜以「APEC 海洋可持續發展中心」參加非屬 APEC 活動。中國表示，渠等出席會議均以個人名義參加，並非代表「APEC 海洋可持續發展中心」。美方復以中國大陸確以個人代表身分出席。惟中國大陸報告之計畫使用 APEC 標誌，美國提問使用 APEC 標誌前是否有經過 OFWG 各經濟體同意或經 APEC 授權，並詢問秘書處有關使用 APEC 標誌之規則。秘書處答覆，若經濟體舉辦研討會需要使用 APEC 名稱或 APEC 標誌，必須經過全體經濟體同意，不得任意使用。日本另提問若 OFWG 主席欲以 OFWG 主席之身分出席各經濟體活動時該如何處理？秘書處答覆，若 OFWG 主席欲以 OFWG 身分參與研討會，則亦必須經 OFWG 所有經濟體同意。

2、透過東亞海岸管理整合以建立藍色經濟

東亞水域環境管理夥伴關係(PEMSEA)於本節報告該組織透過東亞海岸管理整合以建立藍色經濟，並促使世界銀行(World Bank)對區域性知識管理平台的

投資。PEMSEA 分享其近 20 年來針對藍色經濟所從事之相關活動，包括東亞海域藍色經濟商業報告、東亞海域永續商業網路。

我方發言感謝 PEMSEA 針對藍色經濟所付出之努力，因此想了解該組織對於藍色經濟之實踐狀況，並提及由於投資海洋事務之長期計畫勢必面臨保育與利用之間之矛盾，且該組織對藍色經濟上無明確定義，爰此建議該組織，進行整合性發展時，應先行解決此一問題，以示審慎為宜。

(五) 糧食安全暨藍色經濟之高階政策對話議題

菲律賓於本節簡報有關糧食安全暨藍色經濟之高階政策對話的最新籌備進度，說明該會議將於本年 10 月 4 日至 6 日於菲律賓伊洛伊洛市(Iloilo)舉行，初步估計屆時將有 200 人與會，邀請對象分別為 APEC 各經濟體資深官員、APEC 企業諮詢委員會、太平洋島國論壇秘書處、太平洋經濟合作委員會以及東協(ASEAN)秘書處。受邀對象預計將於 5 月底收到邀請函，並於 9 月份時確認出席狀況。菲律賓進一步說明「糧食安全暨藍色經濟之高階政策對話」將產出行動計畫(Plan of Action)，目前菲律賓規劃 3 項優先議題為「為糧食供應與貿易之永續性對抗非法捕魚(Illegal, Unreported, Unregulated Fishing for Sustainability of Food Supply and Trade)」、「阻止 APEC 區域海岸與海洋生態系生物多樣性之降低 (Stop the Decline of Biodiversity in Coastal and Marine Ecosystems in the APEC Region)」及「促進 APEC 論壇間之藍色經濟合作，以強化海洋與海岸資源、生態系之永續管理與保育及永續發展，以利經濟成長(Advance Blue Economy Cooperation across APEC Fora, as an Approach to Advance Sustainable Management and Conservation of Ocean and Coastal Resources and Ecosystems and Sustainable Development, in order to Foster Economic Growth)」。

我方表示該行動計畫符合 OFWG 策略計畫，惟藍色經濟係屬創新概念，尚未成熟，另打擊非法漁業議題與現行之區域性漁業管理組織任務重疊，且 APEC 係屬無法律拘束力之論壇，應謹慎考慮是否將此議題納入，美國與日本亦認同 OFWG 之計畫不應與區域漁業管理組織任務重疊，美國特別提問目前所提出的糧食安全暨藍色經濟行動計畫係屬會議文件草案亦或是概念書，菲律賓表示該文件係行動計畫草案，並非概念書。

我方為確保我國參與權利，爰又建議似應修改草案中部分具有強制性之文字

為妥，日本、中國大陸與越南亦欲修改草案內容，惟主席不允於此會議中進行草案內容協商(negotiate)，秘魯詢問主席為何不允經濟體於本會議中進行協商，且若不於本會議進行協商，則應於何場域進行？菲律賓強調本文件係屬主辦國之倡議，猶如中國大陸於去年所提出之廈門宣言，無需經過 OFWG 通過，菲律賓有權決定是否接受各經濟體提出之意見。為利有助改變會議緊張之氣氛，我方發言向主席表示，APEC 為採取「共識決」之論壇，任何倡議、計畫或文件皆需經過所有經濟體同意，盼主席明瞭經濟體之間的共識乃 APEC 之合作精神所在。主席感謝我方適時提醒，並解釋方才是用語不當，並非不允許個經濟體進行討論，菲律賓最後表示願繼續廣納各方意見，共襄盛舉。

四、5 月 12 日會議重點

(一) 建立區域性海洋與陸地觀察系統加強保全 APEC 資源與社群計畫

本議案由澳洲分享該計畫之主要內容為建立海洋與陸地觀察系統、透過科學方法支持 APEC 優先領域、建立地球觀察系統俾利蒐集資料、監控與評估人為環境的現況與改變以及建立資料管理系統，同時分享澳洲之整合性海洋觀察系統(Integrated Marine Observing System, IMOS)。

美國表示此計畫對本工作小組具有重要性，且將會傳遞此一訊息給美國海洋與大氣總署(NOAA)，邀請 NOAA 專家出席對於澳洲將舉辦的研討會。我方發言表示感謝澳洲報告，對本工作小組而言係創新的概念，並認為有助國際正視及掌握北極冰融嚴重情況。另發現其簡報內容包含陸地與海洋，且提及其中的藍色經濟係包含農業與漁業，建議澳洲釐清藍色經濟與綠色經濟之間之差異。韓國表示同意我國對澳洲有關藍色經濟的問題，並詢問資料蒐集的方法。澳洲感謝各經濟體提問，答覆因計畫主辦人未到現場，部分問題無法於現場立即回復，但會將訊息傳遞回澳洲，並儘快答覆，另有關於研討會的籌備細節目前正在研議中。

(二) OFWG 糧食安全行動計畫

美國報告 OFWG 糧食安全行動計畫目前協商進度，表示中國大陸與越南已經達成協商，本文件於各經濟體同意下，於本次會議通過。

(三) OFWG 會議紀錄

本屆會議最後進行大會會議紀錄通過程序，各經濟體皆於不同部分表示意見且順利修改，惟議程九中有關中國大陸使用 APEC 標誌、以及代表 APEC 中心的名義問題，各經濟體激烈討論，美國與日本欲在會議文句中加入「若經濟體欲使用 APEC 標誌與名義，應事先經過各經濟體同意」，惟中國大陸強烈堅持刪除該等文字，並表示該報告之目的係為分享中國大陸的資訊，請各經濟體勿模糊焦點。最後美國、日本與中國大陸達成共識，將文字修改如下：The group raised a question as to whether or not the APEC Marine Sustainable Development Center was representing themselves as APEC or individual experts. While they assured the group it was the latter, the Secretariat also confirmed for the group that incoming participation and outgoing participation on behalf of the forum should be endorsed by the appropriate forum, including any use of the APEC logo.

另外有關昨日下午引發爭議之由菲律賓所提出的高階政策對話(HLPD)中之糧食安全與藍色經濟行動計畫草案部分，仍因在本次會議中無法達成具體文件內容，故於會議記錄中已列為會後未來工作項目，仍期各經濟體繼續配合主辦經濟體建立可能共識，以應時需。

肆、心得及建議事項

- 一、本署原為「APEC 海洋資源保育工作小組」之窗口，後該小組與「APEC 漁業工作小組」於 2011 年合併成為「APEC 海洋與漁業工作小組(Oceans and Fisheries Working Group, OFWG)」，目前由漁業署與本署共同派員出席 APEC OFWG 會議。本署於擔任 APEC 海洋資源保育工作小組之窗口期間，為積極參與 APEC，每年舉辦 APEC 企業/私人部門參與海洋環境永續性圓桌會議，做為 APEC 會員體討論海洋資源保育議題意見交流平台。至 APEC OFWG 成立後，本署仍持續舉辦圓桌會議，討論議題擴大至 OFWG 關切之漁業相關議題。本次會議我方於會中報告去(103)年在臺南成功大學舉行之第 15 屆 APEC 企業/私人部門參與海洋環境永續性圓桌會議，計有 21 名外賓來臺，為歷年來外賓參與人數最多之會議。第 16 屆圓桌會議預定於本年 10 月 28 至 30 日在臺北舉行，會議主題為氣候變遷與海洋資源，以及海洋能源兩項議題，後續將辦理寄送行政公報(Administrative Circular)及邀請會員體出席相關事宜。
- 二、「糧食安全暨藍色經濟之高階政策對話」預定於本年 10 月 4 日至 6 日在菲律賓 Iloilo 舉行，經會中瞭解菲方對各會員體團長層級保持彈性，未言明是否由部長出席，乃

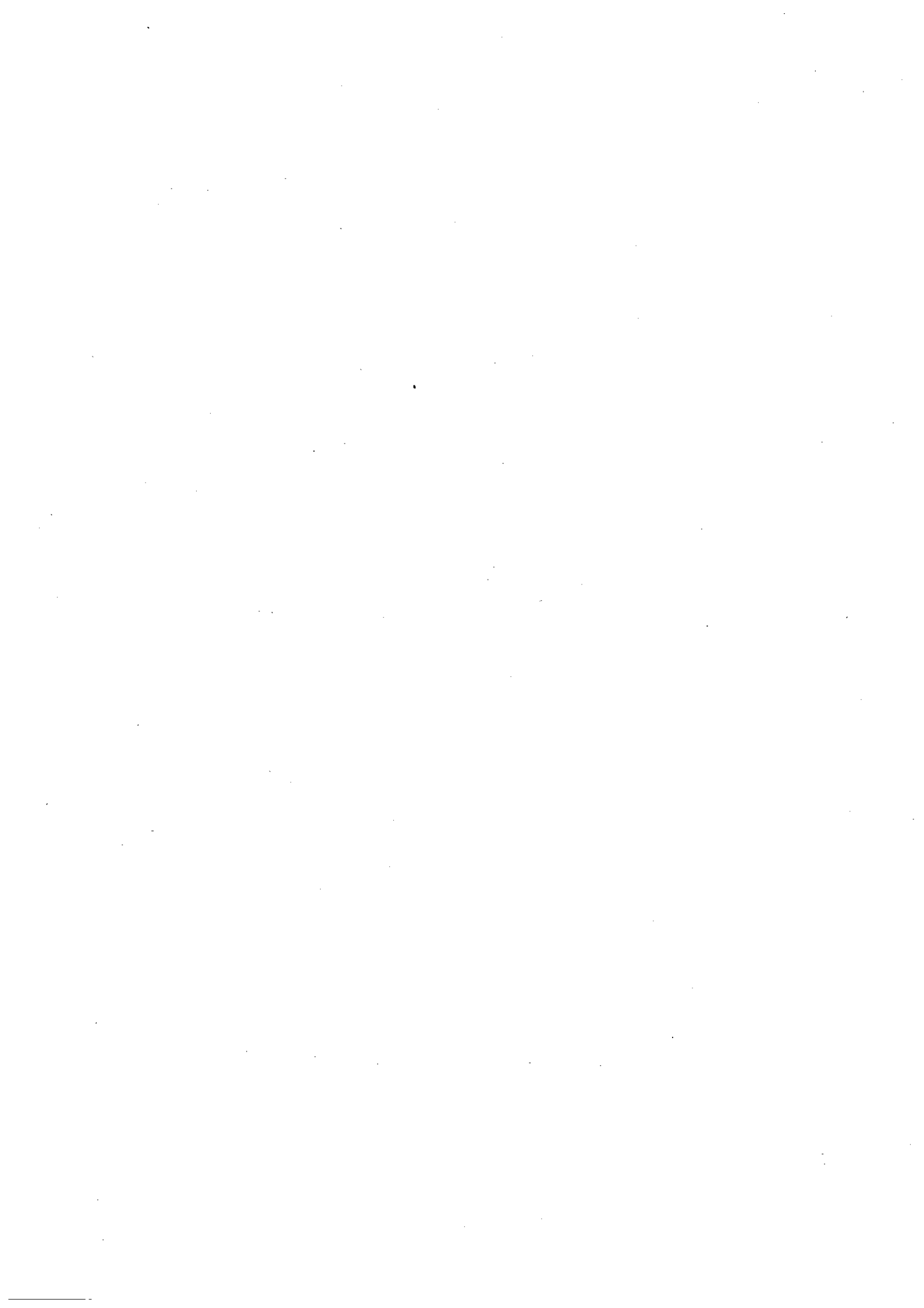
由各會員體自行決定。經查菲國所準備之文件內容，與行政院農業委員會（下稱農委會）主管業務關聯性較高，與本署主管業務關聯性較低。茲因該會議之 APEC 籌辦單位為「糧食安全政策夥伴(Policy Partnership on Food Security, PPFS)」小組與「海洋與漁業工作小組(OFWG)」，PPFS 對應於國內單位為農委會，OFWG 對應於國內單位為農委會漁業署及本署。是項會議組團部會尚未定案，本署將配合外交部辦理後續事宜。

- 三、APEC 成立「海洋垃圾虛擬工作小組」，目前由 APEC 化學品對話小組擔任該虛擬工作小組之主席，並開放本工作小組成員參加，該工作小組運作主要透過電話與電子郵件等方式討論。本署甫於本年公布「海漂垃圾處理方案」，其中我國海漂垃圾因應方式與垃圾源頭管理策略等，未來可就此節與其他會員體進行經驗交流。

伍、公務出國期間國外人士個人資料彙整表

會議活動名稱	姓名	單位及職稱	國別	專長領域	會晤日期	聯絡電話	電子郵件	我方接洽者姓名職稱	交流內容	備註
APEC 海洋與漁業工作小組第 5 次會議	Alex Rogers	APEC 秘書處 Program Director	紐西蘭	外交	104.5.10	+65 6891 9608	amr13@apec.org	張宣武主任研究員	APEC 事務	
APEC 海洋與漁業工作小組第 5 次會議	Atty. Asis Perez	APEC OFWG 主席人	菲律賓	海洋漁業	104.5.10			張宣武主任研究員	APEC 海洋與漁業工作小組事務	

陸、會議資料





**Asia-Pacific
Economic Cooperation**

2015/SOM2/OFWG/001
Agenda Item: 1 G

Draft Agenda

Purpose: Consideration
Submitted by: Lead Shepherd



APEC
PHILIPPINES
2 0 1 5

5th Oceans and Fisheries Working Group Meeting
Boracay, Philippines
10-12 May 2015

DRAFT – VERSION 3

ASIA-PACIFIC ECONOMIC COOPERATION
5th MEETING OF THE OCEAN AND FISHERIES WORKING GROUP (OFWG)
Crown Regency Resort and Convention Centre, Station 2, Boracay Island, Philippines

10-12 May 2015

Day 1: 10 May 2015

09:00 – 09:30 a.m.

Session I - Opening Session

- A. Welcoming Remarks by OFWG Lead Shepherd
- B. Opening of the APEC 5th Oceans and Fisheries Working Group meeting by Senior Philippines' Official (TBC)
- C. Introduction of Delegation Leads (OFWG Lead Shepherd)
- D. Appointment of Rapporteur (OFWG Lead Shepherd)
- E. Formation of Committee to assist with drafting of Summary Report (tradition) OR Friends of the Chair to assist with drafting of Summary Report [Note: Friends of the Chair from OFWG 4: China, Japan, Peru, Philippines and United States. FotC remains open to new members.]
- F. Introduction of the Mr. Graeme Drake, Independent Assessor to undertake the 2015 Independent Assessment of the OFWG (OFWG Lead Shepherd and Secretariat)

**Note: In addition to this introduction, the Independent Assessor will endeavor to engage with each economy individually in the margins of the OFWG meeting.*

- G. Adoption of the Agenda (OFWG Lead Shepherd)

09:30-10:15 A.M. – PHOTO SESSION AND COFFEE BREAK
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10:15 a.m. – 12:00 p.m.

Session II – Developments in APEC since the 4th OFWG Meeting in May 2015

- A. Overview of intersessionally endorsed actions and documents since OFWG 4 (OFWG Lead Shepherd)
- B. Update on work of the Mainstreaming Ocean-Related Issues (MOI) Steering Council (Lead Shepherd)
- C. APEC Secretariat Report on Relevant Developments in APEC (Secretariat)
- D. Progress of APEC Marine Sustainable Development Center (China)

DRAFT – VERSION 3

Session III - Information Sharing

- A. Information Sharing by APEC Economies (5 minutes per economy)
APEC member economies are invited to make brief updates on ocean-related issues in their economies (*Note: Economies are encouraged to submit written copies of their full updates to the working group in advance of the meeting. Economies are also still encouraged to give presentations on specific projects under the appropriate agenda item.*)

12:00-2:00 p.m. – LUNCH

2:00-4:00 p.m.

Session IV – OFWG Operations

- A. Work Plan
- a. Discussion of progress on implementing the OFWG 2015 Annual Work Plan (OFWG Lead Shepherd)
- B. Strategic Plan
- a. Discussion and endorsement of a forward process for drafting and endorsing the next OFWG Strategic Plan (OFWG Lead Shepherd)
- C. Projects
- a. Report on outcomes from projects implemented
 - i. Chinese Taipei (OFWG 03 2013S)
 - ii. Republic of Korea (OFWG 01 2014A)
 - b. Update on current projects
 - i. Japan (OFWG 02 2014)
 - ii. United States (OFWG 03 2014)
 - c. Progress of projects submitted by the OFWG at Session 1 2015, and of any other projects under other APEC fora that may be relevant to the OFWG (Secretariat)
 - d. Discussion of any proposed new APEC-funded projects for Session 2 2015 (All Members invited to outline new project proposals)
 - i. "Capacity Building for the Establishment of Marine Biotxin Reference Laboratory" (Malaysia)
 - ii. "Papua New Guinea Food Security and Climate Resilience Programme" (Papua New Guinea)
 - iii. "Promoting Small-Scale Fishers And Fisheries Industries To The Global Value Chain" (Indonesia)

DRAFT – VERSION 3

- e. Discussion of any proposed new self-funded projects (All Members invited to outline new project proposals)
 - i. MSP Training Courses (China)

4:00- 4:30 p.m. – COFFEE BREAK

4:30 – 6:00 p.m.

Session V – Free and Open Trade and Investment

- A. TBC depending on interest from economies and invited guests

Session VI – Sustainable Development and Protection of the Marine Environment

- A. Update from Virtual Working Group on Marine Debris (Virtual Working Group)
- B. An overview of PEMSEA's work and the application of integrated coastal management (ICM) to oceans and fisheries (PEMSEA)
- C. TBC depending on interest from economies and invited guests

Day 1 Wrap Up

- Any logistical information to be shared by the Host
- Day 1 Concluding Remarks (OFWG Lead Shepherd)

EVENING: OFFICIAL DINNER (Confirmed, details to follow)

Day 2: 11 May 2015

9:00 -10:30 a.m.

Session VII – Food Security

- A. Discussion and endorsement of OFWG Food Security Action Plan (United States)
- B. Practice on Coastal Eco-Aquaculture – Development of Circulating Aquaculture Model (China)
- C. Update on PPFS work (Lead Shepherd)

DRAFT – VERSION 3

- D. TBC depending on interest from economies and invited guests

10:30-11:00 A.M. - COFFEE BREAK

11:00 a.m. -12:30 p.m.

Session VIII – Climate Change

- A. APEC Project (OFWG 02 2014) “Workshop on the Climate Change Impact on Oceans and Fisheries Resources” outcome (Japan)
- B. TBC depending on interest from economies and invited guests

Session IX– Blue Economy

- A. Presentation on Blue Economy (China)
- B. PEMSEA’s efforts to promote blue economy through the East Asian Seas Sustainable Business Network and facilitate investment in ICM through a regional knowledge management platform being developed with World Bank (PEMSEA)
- C. TBC depending on interest from economies and invited guests

12:30-2:00 p.m. – LUNCH

2:00 p.m. - 4:00 p.m.

Session X– High Level Policy Dialogue on Blue Economy and Food Security (HLPD-FSBE)

- A. Update on preparations for the HLPD-FSBE in Iloilo City from 4-6 October 2015 (Philippines)
- B. Substantive Discussion of draft Document for HLPD-FSBE (Philippines)

4:00- 4:30 p.m. – COFFEE BREAK

4:30 p.m – 5:30 p.m.

Session X– High Level Policy Dialogue on Blue Economy and Food Security (continued)

- B. Substantive Discussion of draft Document for HLPD-FSBE (continued)

Day 2 Wrap Up

- Any logistical information to be shared by the Host
- Day 2 Concluding Remarks (OFWG Lead Shepherd)

DRAFT – VERSION 3

Day 3: 12 May 2015

9:00 -10:30 a.m.

Special Session: Presentation by Australian Representative to the PPSTI

- A. Policy Partnership on Science, Technology and Innovation (PPSTI) Self-Funded Project entitled “Building regional ocean and land observation systems to safeguard APEC resources and communities”. (Note: this will take place on Day 3 due to the timing of the PPSTI.)

Session XI – Looking Ahead

- A. Summary Report of the 5th OFWG Meeting
 - o Discussion of Summary Report, including list of endorsed actions and agreed intersessional work

10:30-11:00 A.M. - COFFEE BREAK

11:00 a.m. -12:30 p.m.

Session XI – Looking Ahead (continued)

- o Endorsement of Summary Report (OFWG Lead Shepherd)
- B. Date and Venue for the 6th OFWG Meeting (OFWG Lead Shepherd and Peru)

Session XII - Closing Session

- A. Classification of Documents (Secretariat)
- B. Logistical Information shared by the Host (Philippines)
- C. Closing Remarks by Philippines’ Official
- D. Closing Remarks by OFWG Lead Shepherd

Possible options for Day 3 afternoon (12 May):

- A. *Initial discussion on elements for the next OFWG Strategic Plan (while respecting the group’s position as expressed during OFWG 4: that members wished to first reflect on the outcomes of the independent assessment before commencing actual drafting of the Strategic Plan, with the initial drafting conducted by the Friends of the Chair)*
- B. *Field Visit to OFWG-relevant activity in Boracay*

DRAFT – VERSION 3



**Asia-Pacific
Economic Cooperation**

2015/SOM2/OFWG/000
Agenda Item: XII A

Document Classification List

Purpose: Consideration
Submitted by: APEC Secretariat



APEC
PHILIPPINES
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5th Oceans and Fisheries Working Group Meeting
Boracay, Philippines
10-12 May 2015

Document Classification List

Document No.	Title	Agenda Item	Submitted By	Public Release		Reason for Restriction	Derestiction Date (where applicable)
				Yes	No		
2015/SOM2/OFWG/000	Document Classification List – 5 th Oceans and Fisheries Working Group Meeting 2015	XII A	APEC Secretariat		✓	Internal document	
2015/SOM2/OFWG/001	Draft Agenda – 5 th Oceans and Fisheries Working Group Meeting 2015	I G	OFWG Chair	✓			
2015/SOM2/OFWG/002	Independent Assessment of the Ocean and Fisheries Working Group (OFWG) - Questionnaire	I F	APEC Secretariat (On behalf of Independent Assessor)	✓			
2015/SOM2/OFWG/003	Economy Report – Hong Kong, China	III A	Hong Kong, China	✓			
2015/SOM2/OFWG/004	Economy Report - Japan	III A	Japan		✓		
2015/SOM2/OFWG/005	Ocean and Fisheries Working Group Endorsed Work Plan for 2015	IV A a	APEC Secretariat	✓			
2015/SOM2/OFWG/006	Strategic Plan 2013-2015 Ocean and Fisheries Working Group (OFWG)	IV B a	APEC Secretariat	✓			
2015/SOM2/OFWG/007	15 th APEC Roundtable Meeting on the Involvement of Business / Private Sector in Sustainability of the Marine Environment	IV C a i	Chinese Taipei	✓			
2015/SOM2/OFWG/008	Preparedness, Response, and Assessment of Oil Spill (PRAOS) Phase I	IV C a ii	Korea	✓			
2015/SOM2/OFWG/009	OFWG 02-2014 - Workshop on the Climate Change Impact on Oceans and Fisheries Resources: Agenda	IV C b i	Japan	✓			
2015/SOM2/OFWG/010	Concept Note - Capacity Building for the Establishment of a Marine Biotoxins Reference Laboratory	IV C d i	Malaysia		✓	Consideration	
2015/SOM2/OFWG/011	Concept Note - Food Security and Climate Resilience Programme	IV C d ii	Papua New Guinea		✓	Consideration	
2015/SOM2/OFWG/012	Practice on Eco-aquaculture - Development of Circulating Aquaculture Model	VII B	China	✓			
2015/SOM2/OFWG/013	Economy Report – China - Progress on Ocean-Related Issues	III A	China				
2015/SOM2/OFWG/014	Integrated Coastal Management in East Asia	IV B	PEMSEA	✓			
2015/SOM2/OFWG/015	Building a Blue Economy Through Integrated Coastal Management (ICM)	IX B	PEMSEA	✓			
2015/SOM2/OFWG/016	Economy Report – United States	III A	United States	✓			
2015/SOM2/OFWG/017	Concept Note on Draft Action Plan for High Level Policy Dialogue on Food Security and Blue Economy (HLPD-FSBE) Three Priorities	X B	Philippines		✓	Draft	

Document No.	Title	Agenda Item	Submitted By	Public Release		Reason for Restriction	Deresstriction Date (where applicable)
				Yes	No		
2015/SOM2/OFWG/018	APEC Secretariat Report	II C	APEC Secretariat	✓			
2015/SOM2/OFWG/019	APEC Project Updates	IV C c	APEC Secretariat	✓			
2015/SOM2/OFWG/020	APEC Report on Key Developments - Jan to May 2015	II C	APEC Secretariat	✓			
2015/SOM2/OFWG/021	Building Regional Ocean and Land Observation Systems to Safeguard APEC Resources And Communities	Special Session Day 3	Australia	✓			
2015/SOM2/OFWG/022	Information Sharing: Malaysia Economy Report	III A	Malaysia	✓			
2015/SOM2/OFWG/023	Promoting Small-Scale Fishers and Fisheries Industries to the Global Value Chain	IV C d	Indonesia		✓		
2015/SOM2/OFWG/024	Coordination of Mainstreaming Ocean Related Issues	II B	MOI Coordinator	✓			
2015/SOM2/OFWG/025	Virtual Working Group on Marine Debris: Terms of Reference	VI A	VWG on Marine Debris	✓			
2015/SOM2/OFWG/026	Virtual Working Group on Marine Debris - 2015 Work Plan: Draft	VI A	VWG on Marine Debris		✓	Draft	



**Asia-Pacific
Economic Cooperation**

2015/SOM2/OFWG/002
Agenda Item: I F

Independent Assessment of the Ocean and Fisheries Working Group Questionnaire

Purpose: Information

Submitted by: APEC Secretariat (On behalf of Independent Assessor)



APEC
PHILIPPINES
2 0 1 5

5th Oceans and Fisheries Working Group Meeting
Boracay, Philippines
10-12 May 2015

SCE/IA/2015
Independent Assessment of the Oceans and Fisheries Working Group (OFWG)
QUESTIONNAIRE



**Asia-Pacific
Economic Cooperation**

SCE/IA/2015
Independent Assessment of the
Ocean and Fisheries Working Group (OFWG)
QUESTIONNAIRE

CONFIDENTIAL

Please return completed questionnaires by email before 22 May 2015 to
Graeme Drake, Independent Assessor,
graeme.drake@gedadvisory.com, +61 466 262 372

SCE/IA/2015
Independent Assessment of the Oceans and Fisheries Working Group (OFWG)
QUESTIONNAIRE

INSTRUCTIONS

Recipients of this questionnaire are invited to provide responses and comments to each question below. These questions reflect the items that the SOM Steering Committee on ECOTECH (SCE), the OFWG's parent Committee, have asked the Independent Assessor to review. These areas will also guide the one-on-one discussions that the Independent Assessor will hold with APEC member delegations at the OFWG meeting that will take place from 10-12 May 2015 in Boracay, The Republic of the Philippines.

QUESTIONNAIRE

OFWG's Focus and Scope

- 1. Is the OFWG focusing on relevant oceans and fisheries topics of interest to APEC member economies?***

- 2. What other oceans and fisheries topics should be discussed?***

- 3. Does the OFWG's Terms of Reference need to be modified to better respond to APEC ECOTECH priorities and contribute to the achievement of APEC goals?***

- 4. Does the OFWG have clear strategic priorities and direction for future work? How could this be improved?***

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SCE/IA/2015
Independent Assessment of the Oceans and Fisheries Working Group (OFWG)
QUESTIONNAIRE

5. *Is the process of developing the OFWG Work Plan inclusive and represent the collective priorities of the economies? How could this be improved?*

OFWG Projects

6. *Do you consider the projects that the OFWG undertake are in-line with, and are relevant to, the various APEC Leaders' and Ministers' stated priorities related to oceans and fisheries?*
7. *Are there any projects which you believe are not appropriately related to implementing the various APEC Leaders' and Ministers' stated priorities related to oceans and fisheries?*
8. *Are you satisfied with the process that is used to discuss and formulate projects within the OFWG, including the use and format of the concept notes and their eventual prioritization?*
9. *How could the OFWG better focus and more efficiently and effectively manage projects?*
10. *How could the OFWG improve the implementation of its capacity building projects to better provide benefits according to APEC Leaders' and Ministers' priorities;*

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SCE/IA/2015
Independent Assessment of the Oceans and Fisheries Working Group (OFWG)
QUESTIONNAIRE

Collaboration

11. Is the amount of collaboration with the following parties sufficient and how might collaboration be enhanced were necessary:

(a) collaboration with other APEC groups – e.g. PPFS?

(b) collaboration with non-APEC government-to-government international and regional organizations and forums that have ocean and fisheries related agendas?

(c) collaboration with civil society and non-governmental organizations?

(d) Collaboration with the private sector, oceans and fisheries companies, investors, and ABAC?

12. How can OFWG better identify ways to tap into resources to participate in programs and undertake relevant projects funded by organizations outside of APEC?

13. Does the OFWG duplicate the efforts of other organizations? If so, is this problematic to APEC member economies and how can this be best managed?

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SCE/IA/2015
Independent Assessment of the Oceans and Fisheries Working Group (OFWG)
QUESTIONNAIRE

Gender

14. How can the OFWG take into account the APEC commitment to give gender greater consideration in accordance with directions outlined by the Policy Partnership on Women and the Economy?

OFWG Effectiveness, Efficiency and Secretariat Support

15. Is the OFWG operating in an effective and efficient manner? How could its operation be improved?

16. What enhancements to the leadership could be beneficial if resources were made available?

17. What enhancements to the Secretariat could be beneficial if resources were made available?

18. Is OFWG information and information related to the OFWG readily accessible and useful (e.g. websites)?

19. What improvements could be made to meeting arrangements (timing, venues, workshops, agenda, working documents, web conferencing etc.)?

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SCE/IA/2015
Independent Assessment of the Oceans and Fisheries Working Group (OFWG)
QUESTIONNAIRE

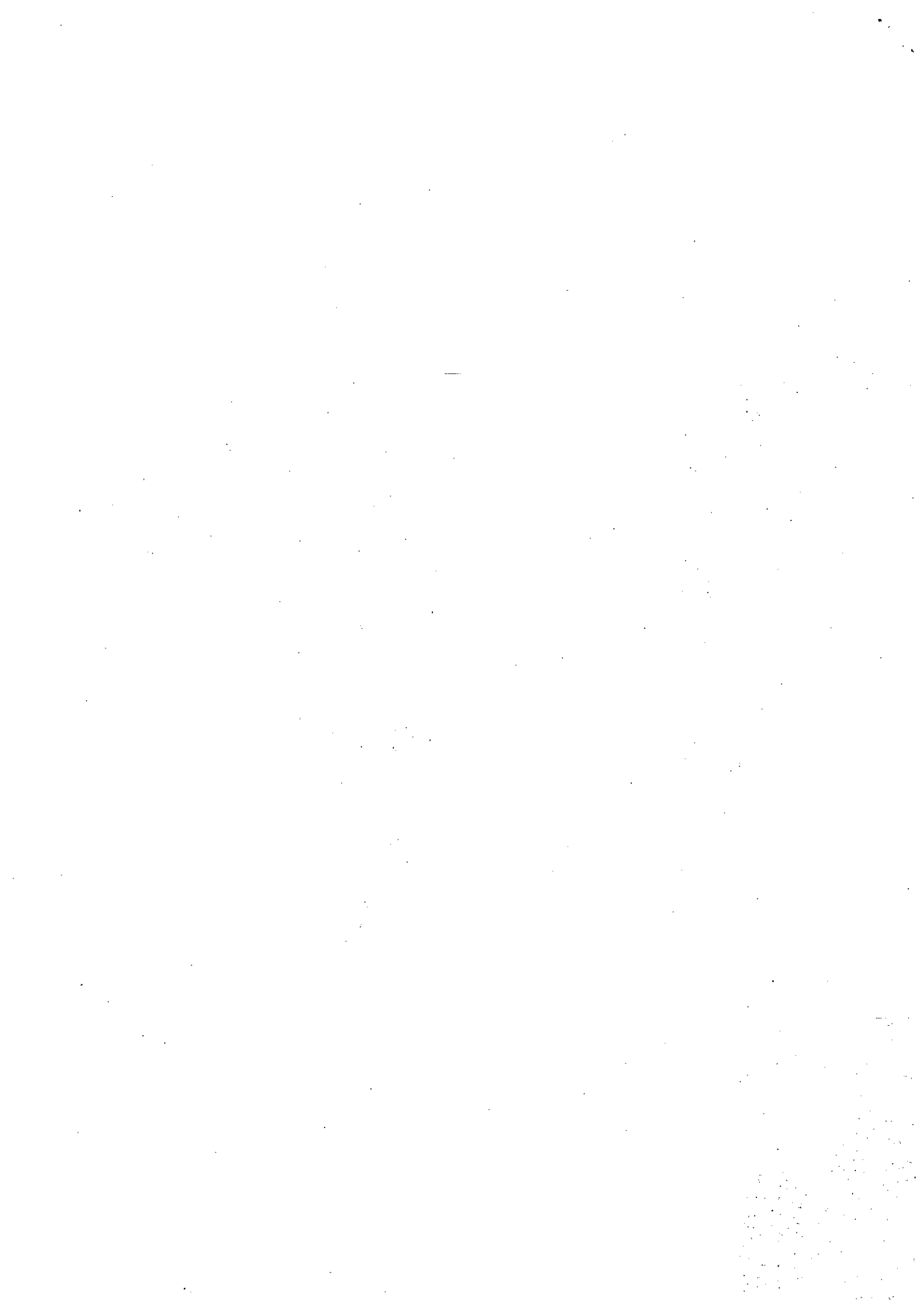
20. To what extent is communication to and from the SCE sufficient – is their enough direction, reporting and feedback on progress?

Possible recommendations to the SCE

21. As a result of this assessment what are the main decision points that should be considered by the SCE?

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**Asia-Pacific
Economic Cooperation**

2015/SOM2/OFWG/003

Agenda Item: III A

Economy Report – Hong Kong, China

Purpose: Information
Submitted by: Hong Kong, China



APEC
PHILIPPINES
2 0 1 5

**5th Oceans and Fisheries Working Group Meeting
Boracay, Philippines
10-12 May 2015**

APEC 5th Ocean and Fisheries Working Group Meeting

Boracay Island , Philippines

10-12 May 2015

Economy Report

HONG KONG, CHINA

Hong Kong, China (HKC) has taken proactive actions in protecting the marine environment and conserving important ecological habitats and species, and promoting the sustainable use of fisheries resources in Hong Kong waters.

Coastal and Marine Ecosystem Conservation

HKC has designated four marine parks and one marine reserve under the Marine Parks Ordinance to protect marine areas of high ecological value such as the habitats of the Chinese White Dolphin, corals and sea grasses. These areas, covering about 2% of HKC waters, are being actively managed for conservation, recreation, education and scientific purposes. We have plans to designate more marine parks in future with a view to better conserving species and habitats of ecological importance.

HKC has also taken actions to protect the marine environment by preventing significant adverse impact to ecosystems through implementing pollution control strategies, and planning and developing sewerage infrastructure. To combat land-based water pollution, we continue to enforce the Water Pollution Control Ordinance and implement the sewerage programme, including the Harbour Area Treatment Scheme (HATS). Among others, HATS involves the implementation of an integrated sewerage system for collecting sewage generated around Victoria Harbour for centralized treatment before disposal.

To protect HKC's marine waters, we have established Water Quality Objectives (WQOs). Our aim is to achieve and maintain the WQOs by implementing various measures, including development planning, controlling pollution sources, expanding sewage collection systems, improving sewage treatment facilities, implementing extensive monitoring plans to track water quality trends, and collaborating with authorities in Guangdong province to protect shared water bodies.

HKC is formulating the first Biodiversity Strategy and Action Plan (BSAP in short) for Hong Kong with a view to stepping up conservation efforts and supporting the sustainable development of Hong Kong in the next five years.

Sustainable Fisheries Development

HKC has a policy of promoting the sustainable use of our fisheries resources while maintaining a steady and safe supply of quality seafood for our seven million citizens.

In meeting the demand for food safety and quality assurance for fisheries products from the public, we introduce and promote modern techniques on fish culture and good aquaculture practices to fish farmers.

To facilitate the rehabilitation of the damaged seabed and depleted marine resources in Hong Kong waters, we introduced a ban on trawling in the entire territorial waters of Hong Kong in December 2012. To complement the trawl ban measure in restoring the fisheries resources in Hong Kong waters, a suite of fisheries management measures have also been implemented to control the fishing effort in Hong Kong waters such as setting up a registration system for local fishing vessels so as to limit new entrants, restricting fishing activities of local non-fishing vessels and prohibiting fishing activities of non-local vessels. We also plan to designate fisheries protection areas to protect important fish spawning and nursery grounds.

HKC will continue to assist fishermen and fish farmers in developing sustainable fisheries and related operations, manage fisheries resources, and cooperate with international organisations on sustainable fisheries development.

Hong Kong, China

May, 2015



**Asia-Pacific
Economic Cooperation**

2015/SOM2/OFWG/004
Agenda Item: III A

Economy Report - Japan

Purpose: Information
Submitted by: Japan



APEC
PHILIPPINES
2 0 1 5

5th Oceans and Fisheries Working Group Meeting
Boracay, Philippines
10-12 May 2015

Information Sharing Japan

Ocean Policy Council¹ adopted the reports from the following four Project Teams on April 2nd, 2015.

- Creation and Promotion of New Marine Industries;
- Promotion of Maritime Spatial Planning;
- Conservation of Ocean Environment; and
- Education and Human Resource Development in Marine Industries.

The Council will finalize its final Report and submit it to the Prime Minister. Each Project Team discussed and compiled the following topics and subjects.

Project Team for Creation and Promotion of New Marine Industries compiled the measures for promoting and creating the marine industries for new marine mineral resources and marine renewable energy.

Project Team for Promotion of Maritime Spatial Planning discussed the efficient and effective marine spatial planning through studies of policies and acts of foreign countries and reviews of relevant Japan's laws based especially on the land activities, in order to promote marine renewable energies such as an ocean wind farm.

Project Team for Conservation of Ocean Environment reviewed current Japanese ocean environment management system.

Project Team for Education and Human Resource Development in Marine Industries discussed the system construction of the professional training for technical experts who are human infrastructure for the marine development.

Cabinet Secretariat (Oceans Policy) serves project teams as secretariat and provide professional advices.

(end)

¹ Ocean Policy Council, composed of experts, scholars and stakeholder, is established in accordance with the Government Decree of Committee for Oceans Policy. Committee is composed of all Ministers, headed by the Prime Minister.



**Asia-Pacific
Economic Cooperation**

2015/SOM2/OFWG/005

Agenda Item: IV A a

Ocean and Fisheries Working Group Endorsed Work Plan for 2015

Purpose: Information

Submitted by: APEC Secretariat

Forum Doc No. 2015/SOM1/SCE-COW/011



APEC
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2 0 1 5

**5th Oceans and Fisheries Working Group Meeting
Boracay, Philippines
10-12 May 2015**

Endorsed Work Plan for 2015 Ocean and Fisheries Working Group

1. Proposed Work Plan for 2015 in Response to Leaders/Ministers/SOM/SCE Priorities and Decisions, and to ABAC recommendations.

In 2015, the Ocean and Fisheries Working Group (OFWG) will conduct a sequence of initiatives that aim to respond to APEC Leaders' Declarations, Ministerial statements, the decisions of Senior Officials, as well as SCE priorities. The OFWG will continue to implement the directives provided in the Seoul Oceans Declaration (2002), the Bali Plan of Action (2005), the Paracas Declaration (2010), and Xiamen Declaration (2014) through priority targets to ensure concrete actions.

To respond to these priorities and decisions¹, the OFWG will:

- 1.1. Promote OFWG contributions to the High Level Policy Dialogue on Food Security and Blue Economy, in order to achieve the APEC 2015's 4th priority, "Building Sustainable and Resilient Communities";
- 1.2. Strengthen the role of sustainable fisheries and sustainable aquaculture in food security and related trade, including the promotion of inclusive growth strategies, and combating IUU fishing;
- 1.3. Promote Blue Economy relevant cooperation on the basis of OFWG common view on Blue Economy;

¹ In Response to:

Medium-term ECOTECH priorities for 2015-2019:

1. Developing human capital through capacity building; 2. Developing and strengthening the dynamism of SMEs; 3. Harnessing technologies for the future and supporting innovation; 4. Inclusive growth - addressing the social dimension of globalisation, health, gender; 5. Regional economic integration; 6. Structural reform; 7. Safeguarding the quality of life through sustainable growth; and 8. Human security.

2015 APEC Priorities

Enhancing Regional Economic Integration Agenda; Fostering Participation of SMEs in Regional and Global Markets, Investing in Human Capital Development, and Building Sustainable and Resilient Communities

2011 Leaders' Declaration- "The Honolulu Declaration"

"We firmly resolve to support the strong, sustained, and balanced growth of the regional and global economy."

2010 Leaders' Declaration- "Yokohama Declaration"

Under the green growth agenda, stated among others: "We will ensure the sustainable development of our oceans, seas, and coasts, including their resources and the conservation of the marine environment".

2010 APEC Leaders' Growth Strategy – 2010

Under the Five Growth Attributes, Leaders have considered the "Sustainable Growth", which relates to the MRC stating: "We seek the growth compatible with global efforts for protection of the environment and transit green economies". One of the related actions is: "Promote conservation and more sustainable management of...marine resources..."

2010 APEC Ministerial Meeting- Joint Statement - Yokohama

"The oceans and their resources are essential to the livelihoods and economic well-being of the people of the Asia- pacific region and the food security. We welcomed the Paracas Declaration, to focus efforts on sustainable development and conserving the marine environment..."

2010 APEC Oceans- Related Ministerial Meeting "Paracas Declaration- Paracas Action Agenda"

Ministers compromised to focus their efforts on the following four main areas: 1) sustainable development and protection of the marine environment; 2) Impact of climate change on the oceans; 3) Free and open trade and investment; 4) The role of the oceans in food security.

2010 APEC Ministerial Meeting on Food Security – Nigata

"We shared the view that effective resources management of marine fisheries and sustainable development of aquaculture production, fishery resources will continue to be secure and promising source of food supply. We acknowledged the outcome of AOMM3 held in Paracas, Peru..."

2014 APEC Oceans- Related Ministerial Meeting "Xiamen Declaration"

Ministers vigorously discussed and confirmed their cooperation on the following four main areas: 1) Coastal and marine ecosystem conservation and disaster resilience; 2) The role of the ocean on food security and food-related trade; 3) Marine science, technology and innovation; 4) Blue Economy. Also reaffirming the commitments made in 2002 Seoul Declaration, 2005 Bali Plan of Action and 2010 Paracas Declaration – Paracas Action Agenda".

- 1.4. Carry out ecosystem-based management approaches and programs, to ensure the effective sustainable management of coastal and marine environment including biodiversity;
 - 1.5. Promote comprehensive Asia-Pacific connectivity to strengthen economic, social and local resilience by improving understanding of the potential impacts of disasters, and of climate change on oceans and coasts;
 - 1.6. Strategically orient the OFWG project submission and evaluation process to align with Leaders/Ministers/SOM decisions, SCE priorities, as well as the OFWG Strategic Plan. The group will also explore opportunities for developing self-funded projects;
 - 1.7. Continue working to enhance coordination with other APEC sub-fora and refining efforts to mainstream ocean issues; and
 - 1.8. Promote enhanced capacity building.
2. Anticipated Activities and/or Proposed Work Plan with outside organizations in response to Leaders' and Ministers' calls for greater engagement with A) business sector and B) Other Organizations/Stakeholders, including the IFIs and relevant international and regional Organizations.

2.1. Private sector

Identify opportunities for OFWG participation in the promotion of trade of both sustainable fisheries products and sustainable aquaculture products
 Identify opportunities for the OFWG engage and seek input from the private sector on its understanding of the blue economy and address sustainable aquaculture, sustainable fisheries management, IUU, and marine pollution issues in the APEC region.
 Identify potential partners as part of the OFWG project submission and evaluation process.
 Identify representatives that could attend the next OFWG meeting (subject to APEC guidelines on non-member participation in APEC activities).

2.2. WB, FAO, and regional organizations

Strengthen the role of sustainable fish and aquaculture products in food security, including the promotion of inclusive growth strategies.
 Identify representatives that could attend the next OFWG meeting (subject to APEC guidelines on non-member participation in APEC activities).
 Identify organizations or representatives that could contribute to OFWG projects (subject to APEC guidelines on non-member participation in APEC activities).
 Share outcomes of OFWG project with appropriate organizations.

2.3. NGOs, Research Institutions, Universities and Public Sector

Advance sustainable growth through the sharing of information and the promotion/support of best management practices about sustainable development and protection of the marine environment.
 Improve understanding of the impacts of climate change on oceans and coasts, (not limited to Fisheries, but also economic, social and local community impact).
 Identify representatives that could attend to the next OFWG meeting (subject to APEC guidelines on non-member participation in APEC activities).

3. Identify cross cutting issues and explain how they will be coordinated across APEC Fora.

- 3.1 ABAC, CTI, and other fora

- Identify opportunities for OFWG participation in the promotion of trade of both sustainable fisheries products and sustainable aquaculture products.

- Explore further opportunities for engagement across the science and business sectors.

- 3.2. APEC Food System, FOTC, PPFS, HWG

- Strengthen the role of sustainable fisheries products and sustainable aquaculture products in food security, including the promotion of inclusive growth strategies.

- Identify representatives to represent the OFWG at the meetings of these various groups, as appropriate.

- Invite representatives of the aforementioned groups to attend OFWG meetings to engage as appropriate.

- 3.3. ASC, HRDWG

- Advance sustainable growth through sharing of information and the promotion/support of best management practices about the sustainable development and protection of the marine environment.

4. Capacity building activities planned for 2015

- 4.1 Further promote and enhance the capacity building in the OFWG activities including through its projects; “Preparedness, Response and Assessment of Oil Spills in the APEC Region, Phase I (OFWG 01 2014)”, “Workshop on the Climate Change Impacts on Oceans and Fisheries Resources (OFWG 02 2014)”, in a manner of human capital development.

- 4.2 Consider developing a project to create a training module on aquaculture

- 4.3 Consider developing a training program on marine and coastal management

- 4.4 Support capacity building that promotes innovative development for ocean and coastal science, technology and management

- 4.5 Encourage APEC Marine Environmental Center (AMTEC), APEC Marine Sustainable Development Center (AMSDC), and APEC Ocean and Fisheries Information Center (AOFIC) to further contribute the OFWG capacity building activities.

5. Expected Outcomes/Deliverables For 2015

- High Level Policy Dialogue on Food Security and Blue Economy.

- 5.1. Actively participate in High Level Policy Dialogue on Food Security and Blue Economy in order to elevate and raise awareness of OFWG priorities.

- 5.2. Contribute to the High Level Policy Dialogue on Food Security and Blue Economy output and other relevant documents, as appropriate.

- Identify opportunities for OFWG participation in the promotion of trade of both sustainable fisheries and sustainable aquaculture products.

- 5.3. Consider developing a project proposal focusing on small scale fisheries and artisanal fisheries.
- 5.4. Identify private sector needs on fisheries and aquaculture products trade and services among APEC economies.
- 5.5. Work to combat illegal, unreported, and unregulated (IUU) fishing.
- 5.6. Engagement with other relevant APEC fora on promoting transparency in fisheries assistance programs/subsidies.

Strengthen the role of sustainable fisheries and sustainable aquaculture in food security, including combating IUU fishing, and the promotion of inclusive growth strategies that address the social dimension of globalization and gender.

- 5.7. Near-term actions addressing the role of fisheries and aquaculture in APEC Region food security.
- 5.8. Invite representatives of the aquaculture industry to attend the OFWG meeting.
- 5.9. Continue to promote the importance of fisheries in the APEC PPFS working groups.
- 5.10. Draft, review, and endorse the OFWG Food Security Action Plan in coordination with PPFS.
- 5.11. Work to improve livelihood and support coastal fishery communities

Advance sustainable growth and enhance APEC economies understanding of the oceans and their economic and social value with the OFWG common view on Blue Economy, through sharing the information of best management practices about sustainable development and protection of the marine environment, taking account of harnessing technologies and safeguarding the quality of life.

- 5.12. Update and Disseminate the APEC Marine Sustainable Development Report, participate in the further work for the Report.
- 5.13. Utilize the APEC Marine Sustainable Development Center to support sustainable development related activities such as promoting blue economy cooperation.
- 5.14. Continue to implement the Phase 1 of the APEC Blue Economy Model Program Initiative.
- 5.15. Advance efforts to address marine pollution in the APEC region including through private sector, consistent with APEC priorities, through private sector engagement by inviting representatives of the private sector to attend the OFWG meeting.
- 5.16. Explore the possibility to enhance and facilitate the approaches of Blue Economy.

Promote comprehensive Asia-Pacific connectivity to strengthen economic, social and local resilience by improving regional understanding of the potential impacts of natural disasters, human-induced disasters, and the impacts of climate change on oceans;

- 5.17. Successfully complete the (OFWG 01 2014 A), "Preparedness, Response and Assessment of Oil Spills in the APEC Region, Phase 1".
- 5.18. Effectively implement the OFWG project: "Workshop on the Climate Change Impacts on Oceans and Fisheries Resources" in May.

- 5.19. Effectively implement the OFWG project: “Assessing the Economic Value of Green Infrastructure in Coastal Ecosystems to Disaster Risk Reduction Response and Coastal Resilience in the APEC Region”.
- 5.20. Build APEC support for and integration of APEC regional institutions, including Indonesia's APEC Ocean and Fisheries Information Center and Korea's APEC Climate Center with the Ocean Acidification International Coordination Center in Monaco.
- 5.21. Strengthen ocean related data and information sharing and working with other APEC sub-fora to support search and rescue cooperation;
- 5.22. Identify opportunities for real-time information sharing and further development of early warning systems for potential disasters impacting oceans and coastal areas.

Information sharing on outcomes of projects completed in 2014

- 5.23. Fifteenth APEC Roundtable Meeting on the Involvement of the Business/Private Sector in the Sustainability of the Marine Environment (Chinese Taipei).
- 5.24. Report on the 3rd APEC Blue Economy Forum.

Continue working to enhance OFWG projects submission

- 5.25. Continue to develop both self-funded capacity building proposals, and proposals for APEC-funded projects.
- 5.26. Enhance coordination among OFWG members to develop and prioritize OFWG project submissions.
- 5.27. Continue to support the elevation of Ocean-related issues to rank 1 in APEC funding criteria.

Mainstreaming Ocean-Related Issues

- 5.28. Continue active engagement on addressing cross-cutting oceans issues under the Mainstreaming Ocean-Related Issues initiative work plan.

Other expected achievements

- 5.30 Summary report of the 4th and 5th APEC Ocean and Fisheries Working Group Meeting.
- 5.31 Draft the OFWG Strategic Plan 2016-2018 with due consideration to the Discussion Points (2014/SOM2/OFWG/003) already tabled at the OFWG3, and the SCE comments on the Independent Assessment's recommendations.
- 5.32 2016 OFWG Work Plan

Expected Outcomes	
Continue to support the elevation the Ocean-related issues to rank 1 in APEC funding criteria	Done
Continue to develop both self-funded capacity building proposals, and proposals for APEC-funded projects.	00 - Ongoing
Enhance coordination among OFWG members to develop and prioritize OFWG project submissions.	00 - Ongoing
Prioritize efforts to facilitate collaboration across APEC sub-fora on oceans issues	00 - Ongoing
Identify near-term actions addressing the role of fisheries and aquaculture in various APEC Food Security processes	00 – Ongoing
Improve understanding of the impacts of climate change on oceans, (not limited to Fisheries, but also economic, social and local community impact)	05 – May
Identify opportunities for private sector's involvement in the Blue Economy cooperation.	00 – Ongoing
Identify private sector needs on fisheries and aquaculture products trade and services among APEC economies	00 – Ongoing
Finalize OFWG input into the HLPD on Food Security and Blue Economy agenda	00 - Ongoing
Contribute to HLPD on Food Security and Blue Economy	00- TBA
Lead Shepherd/OFWG representation at HLPD on Food Security and Blue Economy	00- TBA
OFWG member economies endorsement of Mainstreaming Ocean-related Issues Initiative work plan.	00- TBA
Advance the information sharing on promotion of the sustainable development and conservation in line with the OFWG common view on Blue Economy.	00 – Ongoing
Advance implementation of Phase 1 of the APEC Blue Economy Model Program Initiative	00- Ongoing
Invite PPFs Representative to attend OFWG meeting to jointly present on Food Security Action Plan	Done
Invite members of the private sector aquaculture industry to attend the OFWG meeting.	On-going
Invite members of the private sector to attend the OFWG meeting to discuss efforts to address marine pollution in the APEC region.	Done
Invite ABAC to attend the OFWG meeting	Done
Continue updating the APEC Marine Sustainable Development Report.	00- Ongoing
Complete summary report of the 4th APEC Ocean and Fisheries Working Group Meeting	03 – March
Complete summary report of the 5th APEC Ocean and Fisheries Working Group Meeting	06 - June
Review, and endorse the OFWG Food Security Action Plan in coordination with PPFs	05- May
Complete 2016 OFWG Work Plan	12- December



**Asia-Pacific
Economic Cooperation**

2015/SOM2/OFWG/006

Agenda Item: IV B a

**Strategic Plan 2013-2015
Ocean and Fisheries Working Group**

Purpose: Information

Submitted by: APEC Secretariat

Forum Doc No: 2015/SOM1/OFWG/006



APEC
PHILIPPINES
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**5th Oceans and Fisheries Working Group Meeting
Boracay, Philippines
10-12 May 2015**

Strategic Plan 2013-2015

Ocean and Fisheries Working Group (OFWG)

1. Vision Statement

Well-managed ocean ecosystems, fisheries and aquaculture that provide optimal economic value to support and improve the livelihood of communities and food security in APEC member Economies.

2. Mission Statement

OFWG's mission is to foster sustainable economic growth, development and prosperity in the Asia-Pacific region. The OFWG economies will do this by working to facilitate free and open trade in the region and promoting the sustainable use of

fisheries, aquaculture, and ocean ecosystem resources and related goods and services. A healthy ocean ecosystem is essential for maximizing the quality and economic value of these resources, promoting food security, food safety and sustainable development. The OFWG will promote cooperation amongst its members, governments, academia, private industry, and regional and international organizations to advance this process. The OFWG pursues its work through research, capacity building, information sharing and dissemination, cooperation with other APEC fora and other organizations, and through continued implementation of the directives in the Seoul Oceans Declaration (2002), the Bali Plan of Action (2005), and the Paracas Declaration (2010) as well as responding to future guidance from APEC leaders and ministers.

APEC's Mission:

"APEC is the premier Asia-Pacific economic forum. Our primary goal is to support sustainable economic growth and prosperity in the Asia-Pacific region. We are united in our drive to build a dynamic and harmonious Asia-Pacific community by championing free and open trade and investment, promoting and accelerating regional economic integration, encouraging economic and technical cooperation, enhancing human security, and facilitating a favorable and sustainable business environment. Our initiatives turn policy goals into concrete results and agreements into tangible benefits."

3. Critical Success Factors

The following conditions will directly impact the ability of the OFWG to successfully achieve its Vision and implement its Mission Statement:

- 3.1. Understanding within APEC of the importance of achieving sustainable use of fisheries, aquaculture, and ocean ecosystem resources in order to maximize the long-term economic and social benefits associated with these resource opportunities.
- 3.2. Communication, coordination and commitment among APEC members to: develop and implement collaborative solutions to fisheries, aquaculture, and ocean ecosystem resource management challenges in the APEC region and develop strategies to promote ecosystem-based management;
- 3.3. Understanding within APEC of the fundamental and strategic role of fisheries, aquaculture and oceans resources in regional food security;
- 3.4. Understanding within APEC of the physical and economic impacts of climate change on fisheries, aquaculture, oceans ecosystems, and local communities, and commitment to a coordinated approach to mitigate and adapt to these impacts;

- 3.5 Ongoing commitment to develop and exchange scientific information, build institutional capacity, and implement best practices and appropriate international instruments to contribute to the sustainable development and protection of the marine environment;
- 3.6 Supporting efficient and effective OFWG operations with: broad participation and adequate resources from APEC economies dialogue, cooperation and partnerships with other APEC fora, regional and international organizations, and the private sector where interests intersect.

4. Agreed Priorities, Objectives and Key Performance Indicators (KPIs)

The following table identifies four priority areas of OFWG work based on guidance received from Oceans Ministers and one additional priority area designed to address improving the functionality and effectiveness of our newly formed working group. Objectives are identified that will enable us to accomplish our mission and performance indicators are included that will allow us to gauge our progress in this regard.

Priority Area	Objectives	Key Performance Indicators (KPIs)
Free and Open Trade and Investment	<ul style="list-style-type: none"> Maximize APEC members' access to the economic benefits derived from sustainable use of the oceans 	<ul style="list-style-type: none"> Increased trade and investment opportunities that promote sustainable use of fisheries, aquaculture and ocean ecosystem resource; Improved value chain for small scale fishermen and aquaculture operators; Increased income and job opportunities, particularly for vulnerable groups and communities by optimizing multiple economic benefits
Sustainable Development and Protection of the Marine Environment	<ul style="list-style-type: none"> Promote sustainable conservation, management and use of fisheries, aquaculture and ocean ecosystems in the APEC region to ensure long-term economic benefits 	<ul style="list-style-type: none"> Increased exchange of information among APEC members leading to regional institutional capacity building, collaborative solutions to fisheries, aquaculture, and ocean ecosystem resource management challenges in the APEC region increased development and exchange of scientific information, and implementation of best practices; Increased capacity for development and implementation of appropriate tools to ensure sustainable management and use (e.g., ecosystem-based management, coastal and marine spatial planning, and marine protected areas); Built capacity to increase implementation of various appropriate regional and international instruments
	<ul style="list-style-type: none"> Improve APEC economies understanding of the oceans and their economic and social value 	<ul style="list-style-type: none"> Increased scientific collaboration, transparency, and sharing of knowledge relative to the economic and social value of fisheries, aquaculture, and ocean ecosystem resources and the services they provide, including climate change mitigation and adaptation. Formulated an APEC Marine Sustainable Development Report

Priority Area	Objectives	Key Performance Indicators (KPIs)
Food Security	<ul style="list-style-type: none"> Enhance APEC economies understanding of the role of fisheries, aquaculture and oceans resources in regional food security 	<ul style="list-style-type: none"> Increased participation of OFWG in APEC dialogue on improving food security; Improved communication and information exchange with other APEC groups relevant to food security. Enhanced APEC understanding of the link between sustainably managed fisheries and aquaculture resources and food security; Increased capacity of OFWG economies to combat Illegal, Unreported and Unregulated (IUU) fishing; Advanced efforts on inclusive growth (e.g., small scale fisheries and resource-limited aquaculture)
Climate Change	<ul style="list-style-type: none"> Enhance APEC economies understanding of the impacts of climate change on oceans (not limited to Fisheries and other environmental issues, but also economic, social and local community impact) 	<ul style="list-style-type: none"> Improved APEC coordination in the gathering and sharing of scientific knowledge on climate change and its impacts on coastal and marine ecosystems, fisheries and aquaculture; Increased capacity of OFWG economies to take appropriate measures to respond to and adapt to the impacts of climate change on coastal communities, fisheries and aquaculture; Strengthen the role of ocean-related cooperation across APEC on emergency preparedness, disaster risk reduction and related issues, including with the Emergency Preparedness Working Group
OFWG Operations	<ul style="list-style-type: none"> Enhance public and private sector partnerships, including participation and communication in OFWG work 	<ul style="list-style-type: none"> Identification of cross-cutting themes for cooperative work and partnerships Increased support for joint projects/work and increased horizontal coordination with appropriate APEC fora (such as the SMEWG); Improved communication/coordination with other APEC sub-fora, regional and international organizations, and the private sector where interests intersect; Enhanced cross-fora collaboration , including an increased level of public and private sector participation in OFWG meetings; Increased opportunities for focused dialogue, cooperation and partnerships with public and private sector stakeholders on a variety of topics; A more active role by the APEC Marine Sustainable Development Center as a cooperation platform for APEC economies.
	<ul style="list-style-type: none"> Enhance the effectiveness of the OFWG and its role in APEC 	
	<ul style="list-style-type: none"> Enhance effectiveness of OFWG project work 	
	<ul style="list-style-type: none"> Enhance cross-fora collaboration to support the mainstreaming of ocean-related issues in APEC. 	

5. Prioritized Implementation Schedule

The following table takes the objectives identified in Section 4 and provides a series of proposed actions to achieve those objectives (Note: these include actions which have been endorsed by OFWG, as well as proposed as future work under consideration, and also initiatives which are on-going). For each action, a start and finish date are identified and possible resources are listed.

Objectives should be consistent with the critical factors or key performance indicators

Objective	Start Date	Completion Date	Resources
<p>#1 Maximize APEC members' access to the economic benefits derived from the oceans</p> <p><u>Action:</u> Capacity building and exchange of best practices to combat IUU-Fishing.</p> <p><u>Action:</u> Capacity building to improve the value chain for small scale fisheries and aquaculture.</p>	<p>June 2013</p> <p>June 2013</p>	<p>June 2015</p> <p>June 2015</p>	<ul style="list-style-type: none"> • Senior officials and secretariats • APEC sub-for a • OFWG members • External partners, such as other regional organizations • Public and private sector
<p>#2 Promote sustainable conservation, management and use of fisheries, aquaculture and ocean ecosystems in the APEC region to ensure long-term economic benefits</p> <p><u>Action:</u> Initiate OFWG dialogue on sustainable management of marine resources and protection of marine ecosystems. Identify appropriate tools to achieve these goals (e.g., ecosystem-based management, coastal marine special planning, the use of marine protected areas), and discuss priority areas for future action;</p> <p><u>Action:</u> Implement the advanced training of APEC marine spatial planning for the Pacific Rim</p> <p><u>Action:</u> Engage in OFWG capacity building activities such as exchanges of information on best practices, development of reports to disseminate information, and workshops</p>	<p>June 2013</p> <p>January 2013</p> <p>September 2013</p>	<p>June 2013</p> <p>December 2013</p> <p>June 2015</p>	<ul style="list-style-type: none"> • Senior officials and secretariats • APEC sub-for a • OFWG members • External partners, such as other regional organizations • Public and private sector

<p>#3 Improve APEC economies understanding of the oceans and their economic and social value</p> <p><u>Action:</u> Formulate the APEC Marine Sustainable Development Report</p>	May 2012	November 2014	<ul style="list-style-type: none"> • Senior officials and secretariats • APEC sub-for a • OFWG members • External partners, such as other regional organizations • Public and private sector
<p>#4 Enhance APEC economies understanding of the role of fisheries, aquaculture and oceans resources in regional food security</p> <p><u>Action:</u> Develop an Action Plan detailing a long term strategy for OFWG work to address food security aligned the APEC food system;</p> <p><u>Action:</u> Initiate communication and information exchange with bodies engaged in the APEC food security dialogue;</p> <p><u>Action:</u> Continue work to increase OFWG members' capacity to combat IUU fishing;</p> <p><u>Action:</u> Advance work on inclusive growth (small scale fisheries and resource-limited aquaculture)</p>	On-going	June 2013	<ul style="list-style-type: none"> • Senior officials and secretariats • APEC sub-for a • OFWG members • External partners, such as other regional organizations • Public and private sector
<p>#5 Enhance APEC economies understanding of the impacts of climate change on fisheries, aquaculture and oceans resources</p> <p><u>Action:</u> Develop a discussion paper to identify key issues relative to the impacts of climate change on APEC region fisheries, aquaculture and oceans resources;</p> <p><u>Action:</u> Initiate OFWG dialogue on the impacts of climate change on APEC region fisheries, aquaculture and oceans resources. Develop a strategy to address these impacts through capacity building (e.g., on mitigation), and increased</p>	January 2013	June 2013	<ul style="list-style-type: none"> • Senior officials and secretariats • APEC sub-for a • OFWG members • External partners, such as other regional organizations • Public and private sector
	June 2013	January 2014	

participation in appropriate APEC fora.			
#6 OFWG improvements			
<u>Action:</u> Discuss possible ways to enhance public and private sector participation and communication in OFWG work. Identify future actions;	June 2013	June 2015	<ul style="list-style-type: none"> • Senior officials and secretariats • APEC sub-fora • OFWG members • External partners, such as other regional organizations • Public and private sector
<u>Action:</u> Discuss specific ways to increase the effectiveness of the OFWG and enhance its role in APEC. Identify future actions;	June 2013	June 2015	
<u>Action:</u> Discuss ways to improve the effectiveness of OFWG project work and possible alternatives to APEC funding. Discuss other tools/mechanisms for achieving OFWG goals and identify future actions;	June 2013	June 2015	
<u>Action:</u> Support the activities of APEC marine sustainable development center	ongoing	ongoing	
<u>Action:</u> Begin a dialogue among OFWG members regarding the concept of blue economy	April 2013	December 2013	
<u>Action:</u> Discuss ways to increase cross-fora collaboration to support mainstreaming ocean related issues in APEC. The Mapping exercise of APEC Ocean-related Activities, as prepared by APEC Secretariat, could serve as a basis for developing the discussions.	June 2013	June 2015	



**Asia-Pacific
Economic Cooperation**

2015/SOM2/OFWG/007
Agenda Item: IV C a i

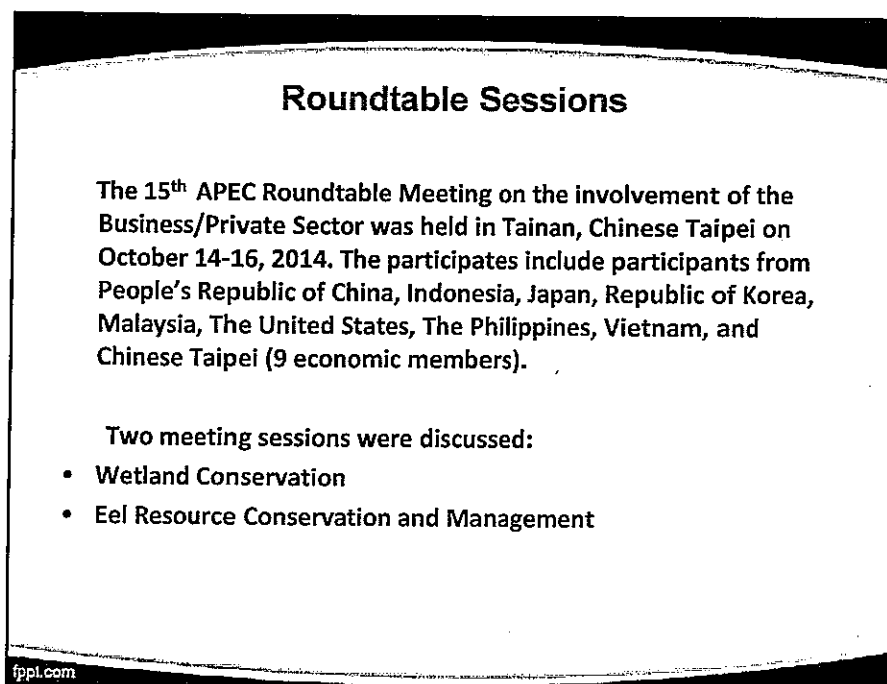
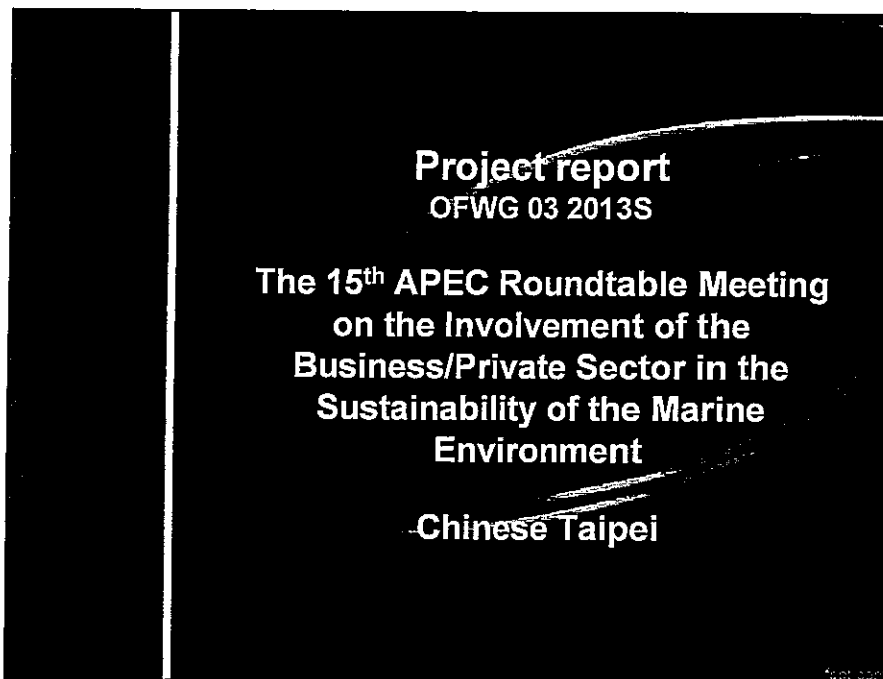
**15th APEC Roundtable Meeting on the Involvement
of Business/Private Sector in Sustainability of the
Marine Environment**

Purpose: Information
Submitted by: Chinese Taipei

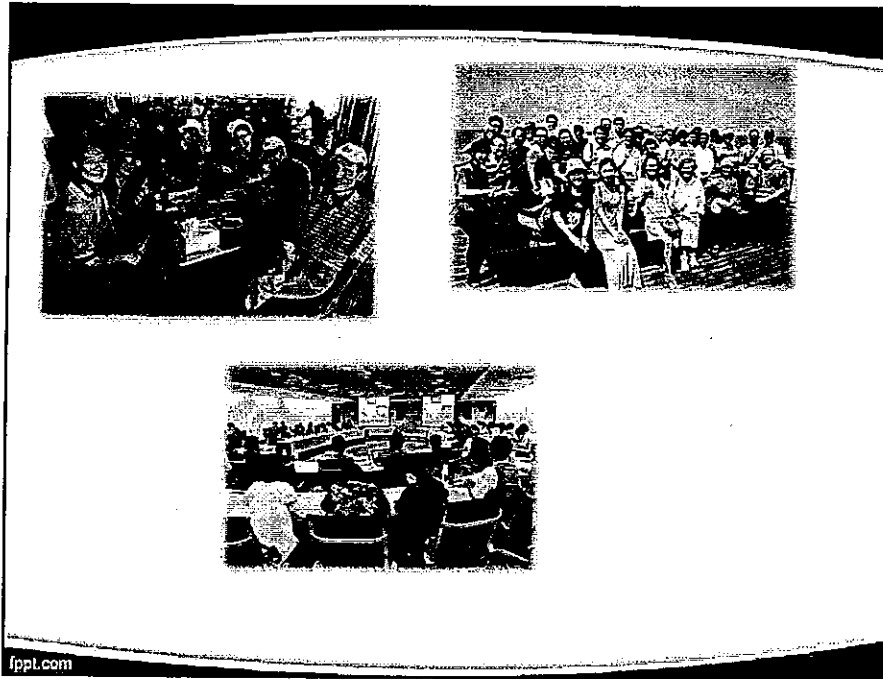


APEC
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**5th Oceans and Fisheries Working Group Meeting
Boracay, Philippines
10-12 May 2015**







The 15th APEC Roundtable Meeting recommends OFWG to take action on the following recommendations to its future work

Session I: Wetland Conservation

- Incorporate education in the area of wetland conservation in all school levels and communities to promote this issue.
- Promote public participation and voluntary activities to ensure the sustainability of wetlands and endangered species in wetlands.
- Cooperate among member economies to ensure the sustainability of the wetland ecosystem and its endangered and migratory species.
- Promote Blue Economy activities such as environmentally friendly fisheries products to benefit the APEC region and the environment.
- Call for collaboration among agencies to facilitate the implementation of wetland conservation.

- Restore the ecological function of deteriorated wetlands.
- Evaluate the ecological, economic, and cultural values of wetlands.
- Share practices of ecosystem management for wetlands in the APEC region.
- Establish protected areas for endangered wetland species.
- Develop a monitoring and evaluation protocol and data base system to track the effectiveness of management efforts for wetlands.

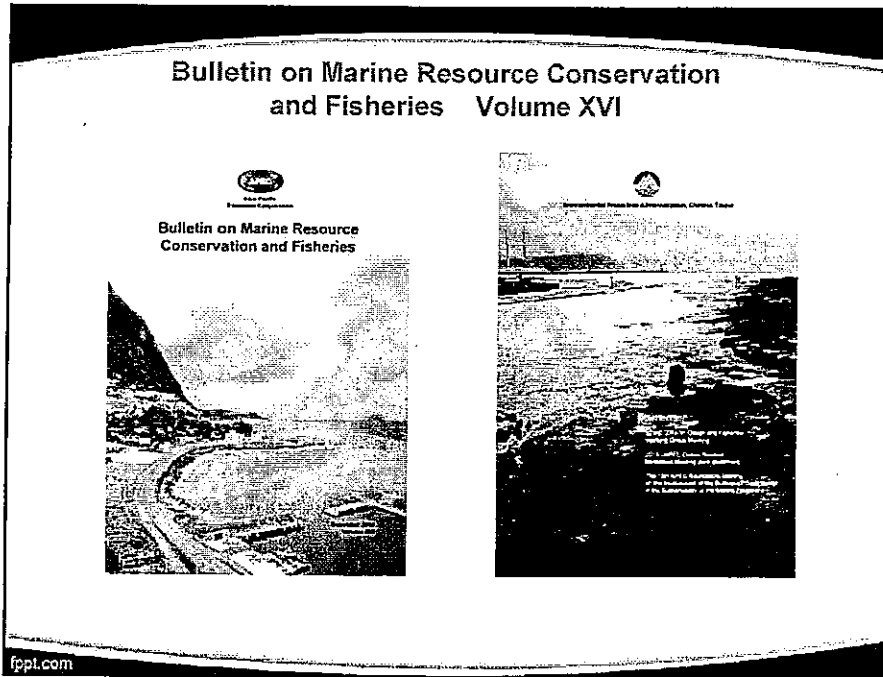
Session II: Eel Conservation and Management

- Promote responsible and sustainable utilization of eel resources through effective management measures.
- Communicate in order to promote collaboration on eel research, data and information sharing.
- Set up management plans including fishery and environmental data collection, stock assessment model development.
- Evaluate the effectiveness of each conservation and management measure.

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- Conduct in-depth study on the life history and spatio-temporal habitat of anguillid eels using techniques such as mark and capture, otolith microchemistry for purpose of effective management.
- Improve the techniques in artificial mass production of glass eels.
- Promote the conservation of adult eels and reduce the catch of glass eels.
- Reduce the anthropogenic impacts (such as overfishing, barrier to migration, pollution, parasite introduction, water quality deterioration, etc.) on the habitat for different life stages of eels.
- Conduct an eel stocking program and follow-up effectiveness evaluations including the growth condition, mortality, and habitat's suitability.
- Study the mechanism or effects of climate change on eel population decline.
- Establish conservation and management of trans-boundary eel species among APEC member economies.

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**The 16th APEC Roundtable Meeting
on the Involvement of the Business/Private Sector
in the Sustainability of the Marine Environment**

**October 28-30, 2015
Chinese Taipei**

I. THEMES OF THE MEETING

- With a focus on reinforcing our efforts to establish public-private partnerships, this meeting will respond to the “Seoul Oceans Declaration of 2002”, “Bali Plan of Action of 2005”, “Paracas Declaration of 2012”, and follow-up on the “Xiamen Declaration of 2014”. Two major themes which are closely related to the business/NGO/private sectors will be discussed:
 1. Climate change and marine resources
 2. Marine clean energy

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II. DATES AND VENUE

- With the support of the Environmental Protection Administration, several agencies, and ocean-related industries of Chinese Taipei, this roundtable meeting will be organized by NTOU.
- The roundtable meeting is scheduled for September 28-30, 2015 including 2-day meeting and 1-day scientific tour. The meeting will be held in Taipei City, Chinese Taipei.

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III. CALL FOR PAPERS

The deadline for submitting topic is September 24, 2015
for the extended abstract.

IV. MORE INFORMATION

For more information, please contact:

Dr. Kwang-Ming LIU

Professor

Institute of Marine Affairs and Resource Management,
NTOU

E-mail: kmliu@mail.ntou.edu.tw

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- (New Proposal – self funded project if budget available)
The 17th APEC Roundtable Meeting
October 2016, Chinese Taipei

Potential Themes

- Food Security
- Blue Economy

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**Asia-Pacific
Economic Cooperation**

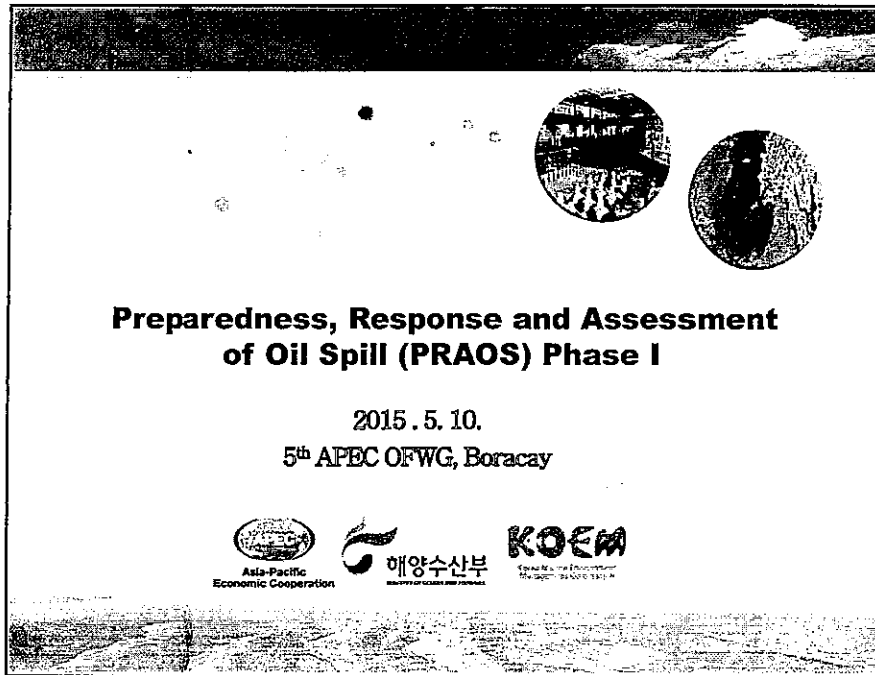
2015/SOM2/OFWG/008
Agenda Item: IV C a ii

Preparedness, Response, and Assessment of Oil Spill (PRAOS) Phase I

Purpose: Information
Submitted by: Korea






5th Oceans and Fisheries Working Group Meeting
Boracay, Philippines
10-12 May 2015



**Preparedness, Response and Assessment
of Oil Spill (PRAOS) Phase I**

2015. 5. 10.
5th APEC OFWG, Boracay





  

Asia-Pacific
Economic Cooperation

해양수산부
Ministry of Oceans and Fisheries

KOEMA
Korea Ocean Environmental
Management Agency

Contents

	Introduction of PRAOS I
	Outcomes of PRAOS I
	Evaluation of PRAOS I
	Future Outlook

I . Introduction of PRAOS I

Objectives of the PRAOS

- **The negative impact of marine oil spills**
 - Human livelihood, food security, stability in transboundary marine resources trade → effects the overall growth of the APEC region
- **Extent of marine oil spills damages**
 - Mitigated through prevention and response to oil spills by effective emergency preparedness
- **Development of PRAOS**
 - 'Preparedness, Response and Assessment to Oil Spill (PRAOS)' project was developed in 2014 in order to raise the awareness of the social, economic and environmental damages caused by marine oil pollution which disrupts and impacts the trade, growth and livelihood of the APEC region

I . Introduction of PRAOS I

Objectives of the PRAOS

- **Date / Venue** : Nov. 3~7, 2014 / Yeosu Expo Convention, RO Korea
- **Total Budget** : 110,000 USD(APEC), 54,000 USD(Self-fund)
- **Co-sponsoring Economies** : Chinese Taipei, Indonesia, People's Republic of China, United States
- **Participating OFWG Economies** : Chile, Chinese Taipei, Indonesia, Malaysia, Peru, PNG, Philippines, Republic of Korea, Russia, Thailand, Vietnam
- **Participating EPWG Economies** : Australia, Philippines, Thailand, Vietnam
- **Participating International Organization** : International Maritime Organization

I . Introduction of PRAOS I

Key Objectives of PRAOS I

- Information sharing on oil spill preparedness and response
- Practice real time emergency situation
- Build network of oil spill experts within the APEC region



II . Outcomes of Phase I

Keynote Speech by Ms. Colleen O'Hagan, OPRC-HNS, IMO



Preparedness, Response and Assessment of Oil Spill (PRAOS) in the Apec Region, Phase I

Colleen O'Hagan

Spill Response Strategy (Open Water)

- Keynote Speech by Ms. Colleen O'Hagan, OPRC-HNS, IMO
- Lectures on the Overview of Spill Response and Spill Response Strategy (Open Water)

II. Outcomes of Phase I

(B) Lectures and Information Sharing (National Experts)

Preparedness, Response and Assessment of Oil Spill (PRAOS), Phase I
Implementation plan on oil spill monitoring
Lesson learned from the Montara case

Wido S. Pranowo

Preparedness, Response and Assessment of Oil Spill (PRAOS), Phase I
Case Studies of Emergency Response of a Recent Marine Incident – M/V Oberon

11 Nov 13 Nov 2014
Technical Specialist
Department of Marine Administration




HEBEI SPIRIT Oil Spill Response

2014.11.

- Indonesia – Montara Platform Incident
- Chinese Taipei – M/V Oberon Incident
- Republic of Korea – Hebei Spirit Incident

II. Outcomes of Phase I

(B) Lectures and Information Sharing (National Experts)

- International Law and the Legal Framework
- Regional Contingency Plan(NOWAP)
- Oil Differentiation and Impacts
- Communication and Media
- Response Equipment and Training
- Liability and Compensation
- Spill Response Objectives and Policy Issues

II. Outcomes of Phase I

International Emergency Exercises (IIE) Participants



- Russia – Methods, Models and Technologies of the Information Support for Emergency Response
- Philippines – Adaptive Capacity of Communities during Disasters (EPWG Member)
- Australia : Contingency Planning Process, On Shore Cleanup (EPWG Member)

II. Outcomes of Phase I




Oil Spill Response Emergency Exercises (OSRE) Participants



- Oil Spill Simulation Wave Basin
- Oil Spill Response at Yeosu Bay
- Oil Spill Response Equipment Demonstration
- Response Equipment Stockpile Facility Tour

II. Outcomes of Phase I

(C) Outcome Indicators

- **Tabletop exercise main objectives**
 - Identify source of pollution and environmentally sensitive area
 - Predict the spreading direction of oil and establish a task form team
- **Response Operation Exercise**
 - Establish response strategy and expand support through cooperation
 - Situation report and communication tactics (media/public)

II. Outcomes of Phase I

(C) Outcome Indicators

Activities	Planned	Actual	Remarks
Workshop	1	1	November 3-7, 2014
participants	30	20	Including 4 Expert Speakers
Female Participants	15	9	45 Percent of participants
Developing Economies	11	9	
Speakers	5	4	IMO and 3 co-sponsor Economies
Other Organizations	1	1	Expert & Keynote speaker from IMO
Publications	1	1	Training Manual

III. Evaluation of Phase I

Phase I Evaluation Results

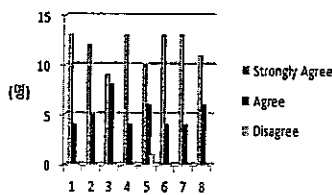
- 1) The objectives of the training were clearly defined
- 2) The project achieved its intended objectives
- 3) The agenda items and topics covered were relevant
- 4) The content was well organized and easy to follow
- 5) Gender issues were sufficiently addressed during implementation
- 6) The trainers/experts were well prepared and knowledgeable about the topic
- 7) The material distributed were useful
- 8) The time allotted for the training was sufficient

III. Evaluation of Phase I

Phase I Evaluation Results

	Level of Agreement		
	Strongly Agree	Agree	Disagree
1	76%	24%	0%
2	71%	29%	0%
3	53%	47%	0%
4	76%	24%	0%
5	59%	35%	6%
6	76%	24%	0%
7	76%	24%	0%
8	65%	35%	0%

Project Evaluation Results



- Total of 17/20 participants (Including Expert Speakers / Excluding Korean Speakers) participated in this survey
- General response was very positive

III. Evaluation of Phase I

I. Evaluation of Phase I

- The involvement of EPWG members to this training program was essential considering it strengthened the international networking and communications between oil spill experts
- The program offered in-depth understanding to oil spill response through the informative lectures and the various field exercises
- Future training programs should incorporate more table top exercises where participants can interact with the trainers in order to develop scenarios that can be compatible to their own economies

IV. Future Outlook

I. Phases of PRAIOS

- **Phase 1 :** Training program on raising the awareness and attention of the APEC economies on responding to marine oil spill
- **Phase 2 :** Training program on environmental impact assessment in marine oil spill
- **Phase 3 :** Provide technical assistance to develop an operational manual for economies lacking effective response programs
- **Phase 4 :** Develop an APEC regional collaborative measure on marine oil spills

IV. Future Outlook

Preparations for PRAOS Phase II

- Develop concept note of PRAOS Phase II for July 2015 submission
- Seek Co-sponsor Economies
- Collaborate with Emergency Preparedness Working Group to foster cross-fora collaboration
- ❖ Present at the 8th EPWG Meeting during SOM II (May 13th)
- Objectives
 - ❖ Social-economic, governance, management, scientific analysis of environmental impact assessment of oil spill incidents

IV. Future Outlook

Mid-Term Outcomes Expected

- Planning, policy and regulation change responding to oil spill incidents with the careful consideration of each economies' specifics and diversified needs
- Public awareness and education increased by establishing wider partnerships at regional, national and international levels leading to improved cooperation
- Community based oil spill disaster resilience managed strengthened

7/5/2015



