出國報告(出國類別:開會)

参加聯合國氣候變化綱要公約第 24 次締約方大會、京都議定書第 14 次 締約方會議暨巴黎協定第 1 次第 3 回 合締約方會議(UNFCCC COP24/CMP14/CMA1-3)

服務機關 / 姓名職稱:

行政院能源及減碳辦公室 黃錦明科長

派赴國家:波蘭—卡托維茲

出國期間:民國 107年 12月 5日至 12月 16日

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摘要

本案係參與聯合國氣候變化綱要公約第24次締約方大會、京都議定書第14次締約方會議暨巴黎協定第1次第3回合締約方會議(UNFCCC COP24/CMP14/CMA1-3,下稱COP24會議)、周邊會議2018永續創新論壇(9th Annual Sustainable Innovation Forum 2018),旨在觀察並了解氣候變遷調適因應作法之國際情勢,做為國內推動相關政策之參考,使政策與國際接軌,精進我國因應氣候變遷的能力與經驗。

本次 COP24 會議召開前,聯合國政府間氣候變化專門委員會 (Intergovernmental Panel on Climate Change, IPCC)於 2018 年 10 月發布「IPCC 全球升溫 1.5° C 特別報告(Special Report on Global Warming of 1.5° C)」,提出警訊,呼籲各國應正視全球環境的改變,並在 COP24 會議通過採取行動,以積極談判,對抗氣候變遷對人類帶來的急迫威脅。

COP24會議於2018年12月2日至15日於波蘭卡托維茲市(Katowice, Poland)舉辦,就巴黎協定工作計畫各項議題相關執行細則進行協商談判,最後完成階段性協商成果「卡托維茲氣候包裹決議(Katowice Package)」,並在「巴黎協定工作計畫(Paris Agreement Work Programme, PAWP)」中有關透明度、財務支持、技術轉移、減緩、調適、全球盤點等議題達成共識,但有關碳交易市場機制,以及如何提高各國減碳承諾、損失與損害等,並未達成共識,將於後續會議中繼續討論。

另,由屬性為非政府組織的氣候行動(Climate Action)主辦 2018 永續創新論壇 (9th Annual Sustainable Innovation Forum 2018)周邊會議,於 2018 年 12 月 9 日及 10 日配合 COP24 會議於波蘭卡托維茲舉行,吸引來自 80 個國家共 600 位以上的政府、企業、民間團體等各界代表參加,聽取各界重要人士發表推動相關工作經驗,做為我國推動相關業務之借鏡。

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壹、 背景說明及目的

我國為四面環海之島嶼國家,為遭遇氣候變遷衝擊最嚴重的地區之一,為呼應氣候變遷全球行動,我國以「溫室氣體減量及管理法」(下稱溫管法)作為減碳專法及推動架構,制訂「國家因應氣候變遷行動綱領」,並提出「溫室氣體減量推動方案」及涵蓋能源、製造、運輸、住商、農業及環境等六大部門的「溫室氣體排放管制行動方案」,與各國共同對抗氣候變遷帶來的威脅。

巴黎協定(Paris Agreement)於 2015 年 COP21 會議通過後,便迅速在一年內達生效門檻,現有 197 個締約方(signatures),該協定生效後的相關會議中,各締約方持續就應如何達成巴黎協定各條款內容之執行細則進行談判。「聯合國氣候變化綱要公約附屬機構第 48 屆第 2 會期會議」(UNFCCC SB48-2)於 2018 年 9 月在泰國曼谷召開,產出「巴黎協定工作計畫彙編」((Paris Agreement Work Programme compilation),期能在 COP24 會議中轉化為相關決議草案,並以完成「巴黎協定規則書(Paris Rulebook)」為最重要目標。

為達成巴黎協定以地球升溫不超 2°C 之目標,聯合國政府間氣候變化專門委員會(Intergovernmental Panel on Climate Change, IPCC)於 2018 年 10 月發布「IPCC 全球升溫 1.5°C 特別報告(Special Report on Global Warming of 1.5°C)」,明確指出目前全球升溫幅度已超過 1°C,熱浪、空氣污染、冰川消失、海平面上升、海洋酸化、農作減產等風險,將伴隨氣溫升高而加劇,對人類生存環境造成嚴重衝擊,並呼籲各國政府,應採取更積極的措施,引發各界討論,該報告成為 COP24 會議中各國談判之重要參考基礎。此外,聯合國環境規劃署(UNEP)於 2018 年 11 月發布之「排放差距報告(Emissions Gap Report 2018)」,該報告指出 2017 年全球溫室氣體排放總量達到 535 億噸,並較 2016 年增加 7 億噸,減碳差距比往年增大,顯見全球減碳作為面臨嚴重考驗,全球減排差距是否能透過巴黎協定的落實執行而縮小,將是 COP24 會議的談判重點之一。

除巴黎協定規則書之制定外,接續 COP23 會議重要產出一塔拉諾亞對話 (Talanoa Dialogue 促進性對話)機制亦為觀察重點之一,近年來各國於推動減碳政策過程中,出現反對聲浪的情況時有耳聞,為積極對抗氣候變遷問題,同時如何以兼具包容性、參與性和透明的對話過程,尋求各界減碳共識與目標,實乃各國政府必須面對的課題。

行政院能源及減碳辦公室,為統籌規劃國家能源政策、推動能源轉型及溫室 氣體減量等事務,本次派員參與 COP24 會議期深入了解國際最新進展,使政策 與國際接軌,精進我國因應氣候變遷的能力與經驗。

貳、 會議過程及內容

本次出國主要以參與 COP24 會議及周邊會議 2018 永續創新論壇(9th Annual Sustainable Innovation Forum 2018),其次為周邊活動及觀察,相關工作行程如下:

日期	工作內容概要
12月5日(三)~	啟程、資料準備
12月6日(四)	成任 負付牛佣
12月7日(五)~	參與 COP24 會議、周邊會議 2018 永續創新
12月13日(四)	論壇及 COP24 會議周邊活動
12月14日(五)~	· · · · · · · · · · · · · · · · · · ·
12月16日(日)	巡性

一、「聯合國氣候變化綱要公約第24次締約方大會、京都議定書第14次 締約方會議暨巴黎協定第1次第3回合締約方會議(UNFCCC COP24/CMP14/CMA1-3)」

(一) 目標

2018年12月2日至15日於波蘭卡托維茲市(Katowice, Poland)舉辦,就巴黎協定工作計畫各項議題相關執行細則協商談判,並以完成「巴黎協定規則書(Paris Rulebook)」及「巴黎協定工作計畫(Paris Agreement Work Programme, PAWP)」為最重要目標。

(二) 地點及背景意義

本次為波蘭為第 3 次擔任主辦國(前 2 次分別為 2008 於波茲南舉行的 COP14 會議,及 2013 年在華沙舉行的 COP19 會議),並刻意安排在有「煤都」之稱的卡托維茲舉行,主要會議及談判場地為卡托維茲國際會議中心 (International Conference Centre in Katowice, MCK),另外會展場地則安排在廢棄礦坑改建的綜合體育館(Spodek Arena)中進行。

波蘭因國內電力仰賴化石燃料,減碳壓力大,擔任 COP24 會議大會主席的波蘭環境部副部長 Michał Kurtyka 於開幕演說中提到,卡托維茲因礦產豐富,成為波蘭的工業重鎮並保障當地居民的經濟,強調煤碳對於該國的價值與貢獻,如今氣候變遷及全球暖化議題必須正視,各國推動政策必須與時俱進,並請展現雄心、務實及堅定的態度,請勇於面對、認同他人觀點,並且加以實踐。

"Be ambitious. But be realistic. Be firm. But hold compromise in no less regard. Be focused. But dare to see and acknowledge another's perspective. Finally, be thorough. But stay pragmatic."

根據自身國情,波蘭提出下列三項關鍵訴求計畫:

- 技術—採取友善環境之方案,如推動電動車輛以實現永續發展、潔淨空氣的工作機會;
- 2. 人一結合不同團體與人民共同推動轉型;
- 3. 自然一推動永續森林管理,發揮森林碳匯的作用,作為氣候中 和的一部分。

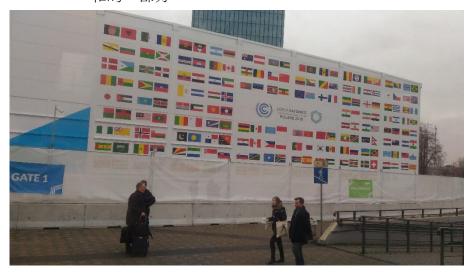


圖 1 COP24 會議會場入口處萬國旗牆面



圖 2 COP24 會議會場 LOGO

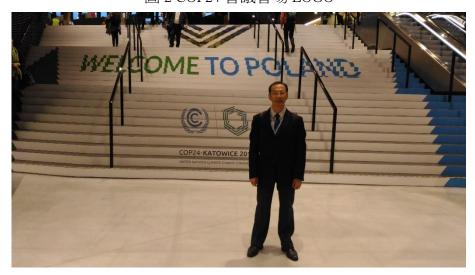


圖 3 COP24 會議會場一隅



圖 4 COP24 會議會場一隅

- (三)制定「巴黎協定規則書(Paris Rulebook)」,完成階段性協商成果「卡 托維茲氣候包裹決議(Katowice Package)」
 - 1. 「巴黎協定工作計畫(Paris Agreement Work Programme, PAWP)」 其中有關透明度、財務支持、技術轉移、減緩、調適、全球盤 點等議題達成共識。
 - 2. 締約國須於 2020 年再次提送國家自定貢獻(Nationally Determined Contributions, NDCs),納入相關氣候行動與目標,並可考量將塔拉諾亞對話成果納入,爾後每 5 年提送 1 次國家自定貢獻,每 2 年提出符合「透明化的能力建構倡議(capacity building initiative for transparency)」之執行報告,2023 年啟動全球資源及氣候行動盤點。
 - 3. 富國應具體說明如何協助貧窮國家達到減碳目標,另自 2020 年起每年募集 1 千億美元支持發展中國家的氣候行動,從 2025 年起建立新的融資目標。德國及挪威承諾加倍「綠色氣候基金 (Green Climate Fund)」、世界銀行宣布於 2021 年至 2025 年提 供 2000 億美元氣候融資,其他金融機構亦共同簽署承諾書提 供相關融資規劃,於調適基金(Adaptation Fund)部分也獲得 1 億

2900 萬美元的資助。

- 4. 對於聯合國政府間氣候變化專門委員會(IPCC)於 2018 年 10 月 發布「IPCC 全球升溫 1.5°C 特別報告」,聲明中表示「贊賞和 感謝(appreciation and gratitude)」並「歡迎這份報告準時完成 (welcome the timely completion)」。
- 5. 碳交易市場機制,以及如何提高各國減碳承諾、損失與損害等, 未能在本次會議中達成共識,納入後續會議中討論。
- 二、2018 永續創新論壇(9th Annual Sustainable Innovation Forum 2018)
 - (一)本活動由屬性為非政府組織的氣候行動(Climate Action)主辦,該組織於 2007 年成立,致力推動產業,政府和機構問夥伴關係,以加速國際間永續發展和推進綠色經濟。本次為第 9 屆,於 2018 年 12 月 9 日及 10 日配合 COP24 會議於波蘭卡托維茲舉行,計吸引來自 80 個國家共 600 位以上各界代表參加,講者超過 85 人以上。本活動旨在藉由聽取各界重要人士意見後,相關國際領袖學習最新趨勢與互動,更能提供不同機關(構)間的合作機會,促進彼此推動永續發展事務。

(二)會議內容

本次論壇包括 4 項關鍵主題,分別為:永續運輸(Sustainable Mobility)、氣候融資(Climate Finance)、循環經濟(Circular Economy)及能源轉型(Energy Transition)。

論壇第一日由波蘭環境部副部長 Michał Kurtyka 擔任特別佳 賓,以 COP24 會議的目標與機會為題進行演說,再由瑞典 Bluewater 公司執行長進行創新談話,分享飲水供應及解決一次性 塑膠的創新發展作為整場論壇引言。

永續運輸(Sustainable Mobility):由德國寶馬集團、美國世界銀行、義大利交通環境領土機關、臺灣台達電子、印尼生質燃料生產者協會等單位代表,就地方及能源部門對電動車輛的需求、相關財務機制、低碳燃料、低碳運輸如何實現低碳經濟等內容進行演說。

氣候融資(Climate Finance):由荷蘭全球報告倡議組織、美國 氣候政策倡議、美國舊金山公用事業委員會等單位代表,就低碳 產品、低碳經濟、革新的氣候融資趨勢、區塊鏈與碳市場等內容 進行演說。循環經濟(Circular Economy):由道瓊、英國廢物和回收 委員會、荷蘭循環經濟等單位代表,就循環經濟模式、動機和收 益、過渡解決方案、政策方法、轉型的金融計畫、技術和商業機 會等內容進行演說。

能源轉型(Energy Transition) :由英國世界能源理事會、德國 能源署、丹麥 KR 基金會、德國西門子公司等單位代表,就加快 創新低碳未來、新興技術、清潔能源技術融入現有能源系統、清 潔能源市場等內容進行演說。

論壇第二日由聯合國「人人享有永續能源」倡議秘書長 Rachel Kyte 代表大會進行歡迎演說,之後由波蘭寶馬集團發表排放推動經濟可持續發展演講,由聯合國環境規劃署永續金融計畫、摩洛哥卡薩布蘭卡金融城管理局、比利時 EC 氣候行動等單位發表全球金融體系促進永續發展模式、應對氣候行動投資策略、傳統金融機構的挑戰等演講;由英國低碳車輛合作夥伴、加州立法機構、英國政府環境與氣候變化戰略部、德國寶馬集團等單位發表等演講;由世界能源理事會、歐洲委員會研究與創新總局等單位發表低碳能量轉換系統、創新電池儲存、政策制定者和私營部門如何參與等演講;由臺灣台北市環保局、挪威奧斯陸市環境與運輸等單位發表永續發展的創新和未來智慧城市、永續的運輸系統、城市資源和能源消耗管理、綠建築對永續城市的作用等演講;由冰島環境與自然資源、漁業和農業部、芬蘭環境部等單位發表克服循環經濟過渡挑戰、循環經濟如何影響能源、交通和氣候融資等演講。



圖 5 2018 永續創新論壇會場

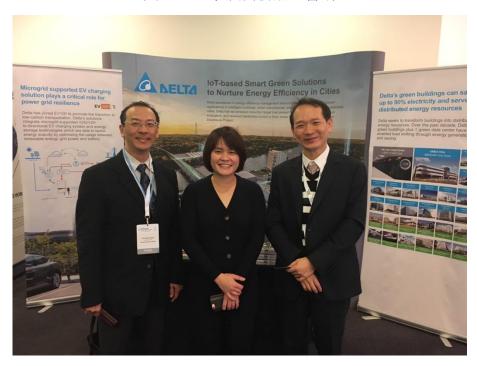


圖 6 2018 永續創新論壇會場與台達電子代表合影

三、其他周邊活動及觀察

(一)「公正轉型(just transition)」

COP24 大會召開前,因法國民眾抗議徵收燃油稅而發起「黃 背心」運動,以及 COP24 會議開幕演說中,提及煤碳對波蘭經濟 的重要性,顯現各國領袖於推動氣候變遷或能源轉型政策過程中, 社會公平是不容忽視的議題,政策推行對社會弱勢族群乃至基層 造成不同程度的衝擊,必須更細緻地處理。

(二) 「臺灣可以幫忙(Taiwan Can Help)」

為傳達我國與全球共同對抗氣候變遷之決心,外交部以紅色電車宣傳我國的立場,面對日益惡化的全球氣候問題,不應以政治考量將臺灣排除在外,請各國聲援我參與聯合國氣候變化綱要公約(UNFCCC),並表達臺灣有意願與全世界分享與貢獻。

參、 心得及建議事項

一、心得

- (一) 各國因國情、立場不同歧見嚴重,原定 12 月 14 日會議延後至 15 日閉幕,COP24 會議大會主席波蘭環境部副部長 Michał Kurtyka 提到「訂定巴黎協定的工作計畫其責任之重大,並盡可能不遺漏任一個國家」,便可深知國際談判實屬不易,美國、沙烏地阿拉伯、科威特及俄羅斯等國甚至極力拒絕由馬爾地夫帶頭之島國聯盟所提,將大會對於接受「IPCC 全球升溫 1.5°C 特別報告」之用語,由 note (注意到)改為 welcome (歡迎)的建議。本次會議最終完成「卡托維茲氣候包裹決議(Katowice Package)」,將透明度、財務支持、技術轉移、減緩、調適、全球盤點等部分納入,雖非原先設定的「巴黎協定規則書(Paris Rulebook)」,但仍為推進巴黎協定的重要里程。
- (二) 氣候變遷乃不得不面對的事實,本次 COP24 會議召開前,科學界 更以「IPCC 全球升溫 1.5℃ 特別報告」及「排放差距報告」兩份 報告提出警告,全球溫室氣體上升幅度仍未減緩,全球必須共同 面對此項課題,按各國原訂國家自定貢獻(NDCs)仍難以達成巴黎 協定所訂升溫不超 2℃ 甚至 1.5℃ 之目標,為落實更具企圖心的 減碳作為,已開發國家應協助並分擔開發中國家的減碳工作,此

- 外,必須與地方政府、非政府組織、產業界、金融界的協力,才 能實踐低碳未來。
- (三) 從波蘭的煤碳歷史及法國黃背心事件引發各界關注,推動因應氣 候變遷政策迫使傳統產業轉型,影響基層及社會弱勢團體,甚至 造成社會動盪和失業,同樣地,我國亦因推動空氣污染減量措施, 引起大卡車及機車族走上街頭,顯現國家追求永續轉型過程,如 何引導經濟結構移轉,使社會正義納入決策體制將成為下一階段 最嚴肅的課題。
- (四) 氣候議題與永續發展密不可分,2018 永續創新論壇活動設定為: 永續運輸、氣候融資、循環經濟及能源轉型等 4 項主軸,顯見當 今國際重要課題,相較談判桌上的角力,本論壇集結各國專家及 企業領袖,為政策制定和技術創新進行交流、對談及相互學習, 致力於解決永續發展的障礙和並創造成功的機會。

二、建議

- (一)國際視野於推動氣候行動是相當關鍵的要素,COP24 會議決議要求各國每5年提送國家自定貢獻,恰與我國溫管法規範每5年為一期之階段管制目標作法一致,有利於我國與國際接軌。此外,無論是本次會議已達成共識之透明度、財務支持、技術轉移,或是未達成共識之碳交易市場機制、提高減碳承諾、損失與損害等,皆是未來國際談判關鍵,我國相關業管機關應儘速跟上國際趨勢。
- (二)我國自產能源匱乏,電力以化石燃料為主要來源,減碳的挑戰與壓力皆不下於波蘭,目前依溫管法已完成各部門溫室氣體減量行動方案,包括國際所關注的能源轉型、低碳運輸、循環經濟及氣候融資均包含在其中,本次 COP24 會議建立明確的規則,有助於我國建立綠色成長政策,以供促進國內外各界合作支持的利基,並透過公私協力模式,以加速我減碳承諾的履行。
- (三)為追求兼顧社會、經濟與環境永續發展,社會正義納入決策體制 亟為重要。公共民意支持非一蹴可幾,必須透過教育、推動民間 氣候行動、提供對生活有正面幫助的誘因等,盡可能符合公平正

義,建立氣候政策的公民認同。

(四)氣候變遷為全球性不可避免的課題,開發中國家的困境及島嶼國家的氣候衝擊,有賴其他國家的援助,我國持續為減緩氣候變遷努力及成果,卻因特殊政治處境被拒於 COP 大會門外(僅為觀察員身分),本次外交部以紅色電車宣傳我國的立場,成功吸引媒體討論,未來應持續以全球合作為倡議,期望打破政治立場的界限,讓我國在氣候行動中更有為全球貢獻的機會。

肆、附件

- 一、COP24 大會手冊(含會議議程)(Overview Schedule)
- 二、COP24 大會主席提案 (Preparations for the implementation of the Paris Agreement and the first session of the Conference of the Parties serving as the meeting of the Parties to the Paris Agreement)
- 三、9th Annual Sustainable Innovation Forum 2018 大會手冊(Event Brochure)







OVERVIEW SCHEDULE

2-14 December 2018





Ladies and Gentlemen,

It is a great honour for me to be able to welcome you at the 24th session of COP24 Conference of the Parties to the United Nations Framework Convention on Climate Change (UNFCCC COP24) in Katowice. This place was not a random choice. Just 25 years ago smokestacks were dominating the city. Today, the capital of Silesia is famous for its cultural zone, numerous innovations in many areas of life and new technologies. And from the fact that it is one of the greenest cities in Poland, where forests constitute almost half of the area. I am convinced that the context of the location fits perfectly into the idea of the event. For the transformation in recent years shows how much this region has done to improve the climate.

COP24 in terms of the number of tasks to be completed and decisions to be taken, seems to be one of the most demanding and ambitious summits. I believe that thanks to the involvement of all the Parties, in an atmosphere of openness, trust and readiness for dialogue, we will be able to create a "Katowice Rulebook", which will contain detailed operating rules of the Paris Agreement. I know that I can count on you because we have one goal - to reach an agreement acceptable to each Party. In accordance with this year's COP - "Changing together" motto, we jointly decide to make changes. It is up to us how our future will look like. Together we can do more!

Ladies and Gentlemen,

I wish you, for the next two weeks, to feel here - in Katowice - like at home. And so that you can find here a good place to work, like-minded people, and maybe even friends. I believe that despite the hard work full of sacrifices, you will remember the time spent here with satisfaction and joy. I hope that Katowice and its great transformation will be an inspiration for the decisions made during COP24.

Looking forward to see at the conference!







Pre-sessional period (26 November - 1 December)

26-27 Nov

Least developed countries (LDCs) preparatory meetings

28-29 Nov

African Group preparatory meetings Small island developing States (SIDS) preparatory meetings

30 Nov - 1 Dec

G-77 & China preparatory meetings

Sessional period (2	2-14 Decembe	er) **		
Week 1 (2–8 December)	TIME	Plenary meetings and meetings of groups of the Convention and Protocol bodies	Events and workshops (Time TBC)	GCA (Time TBC)
Sunday	10:00-13:00	First plenary meetings of the COP and CMP and resumption of the CMA		
Sunday,	Lunch			
2 Dec	15:00-18:00	First plenary meetings of the SBSTA, SBI and resumption of the APA		
		Official opening ceremony	Koronivia Workshop	
	10:00-13:00	First part of the high-level segment (national statements)	Review of the work of the improved forum on the impact of the implementation of response measures	
			Multilateral assessment	
Monday,	Lunch	First part of the	e joint COP, CMP, CMA, SBSTA, SBI and APA	plenary for statements
			Koronivia Workshop	
3 Dec	15:00-18:00	High-level segment (national statements)	Review of the work of the improved forum on the impact of the implementation of response measures Facilitative sharing of views	
	Evening	Second part of the joint COP, CMP, CMA, SBSTA, SBI and APA plenary for statements	Ü	
	10.00 10.00	35377, 351 dila 71 77 picilary for statements	Global Climate Action High-Level Event	
	10:00-13:00		(10:00-11:30)	
Tuesday,	Lunch			CDCTA IDCC amagini avente i immanima tha mass
4 Dec	15:00-18:00			SBSTA-IPCC special event: Unpacking the new scientific knowledge and key findings in the IPC Special Report on Global Warming of 1.5°C (15:00-18:00)
	Evening	Host country	reception for delegates by the President of k	
	10:00-13:00		Pre-2020 stocktake: technical part	
Wednesday,	Lunch			
	15:00-18:00			
5 Dec	Evening		Nairobi work programme Focal Point Forum: Economic Diversification (18:30–21:00)	
			Young and Future Generations Day	
Thursday,	10:00-13:00		Talanoa Dialogue: wrap-up meeting of the preparatory phase (10:00–12:00)	
6 Dec	Lunch		Intergenerational Inquiry (13:00-14:30)	
	15:00-18:00		Yearbook (16:30-18:00)	
			Facilitative sharing of views	
	10:00-13:00		Action Event on Human Settlements	
Friday,			Action Event on Industry	
	Lunch			
7 Dec			Multilateral assessment	
	15:00-18:00		Action Event on Transport	
			Action Event on Water	
		0	Action Event on Oceans & Coastal Zones	
	10:00-13:00	Closing plenaries of the SBSTA, SBI and APA	Action Event on Energy	
Saturday,	Lunch			
8 Dec	15:00-18:00	Closing plenaries of the SBSTA, SBI and APA	Roundtable on SDG 12 and Climate (15:00–16:30) Action Event on Land Use	
	Evening	Informal Plenary meeting of the COP, (Upon conclusion of the SBs and APA closing plenaries)	Action Event on Editu OSC	

^{*} GCA events are marked in blue font.

** For meetings of groups of the Convention, Kyoto Protocol and Paris Agreement bodies please consult the Daily Programme and CCTV.



Pre-sessional period (26 November - 1 December)

26-27 Nov

Least developed countries (LDCs) preparatory meetings

28-29 Nov

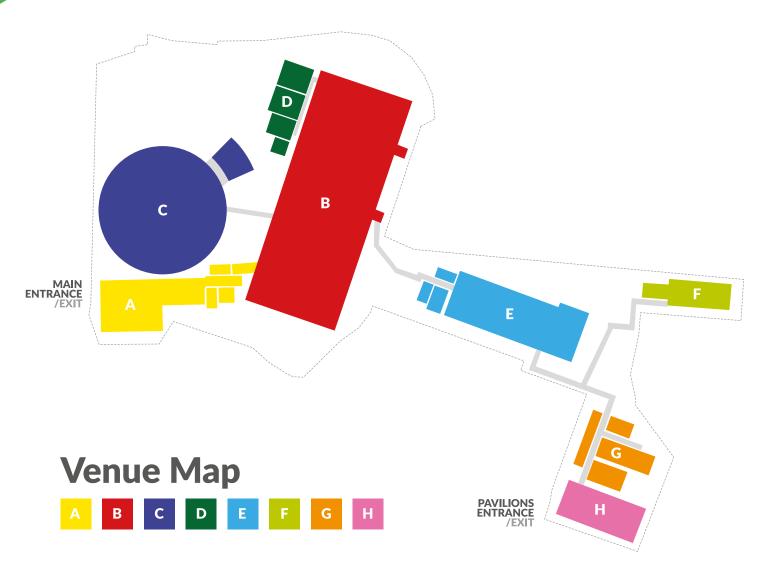
African Group preparatory meetings Small island developing States (SIDS) preparatory meetings

30 Nov - 1 Dec

G-77 & China preparatory meetings

Sessional period (2-14 Decembe	r) **		
Week 2 (10–14 December)	TIME	Plenary meetings and meetings of groups of the Convention and Protocol bodies	Events and workshops (Time TBC)	GCA (Time TBC)
			Pre-2020 stocktake: high-level part	
	10:00-13:00		Roundtable on SDG 8 and Climate (11:30–13:00)	
Monday,			Fashion Industry Charter for Climate Action (13:15–14:45)	
	Lunch		Roundtable on Resilience and Climate Action	1
10 Dec			3rd High Level Ministerial Dialogue on Climate Finance	
	15:00-18:00		Roundtable on Land Use, Water and Energy (15:00-16:30)	
			Roundtable on Oceans & Coastal Zones and Transport (16:30-18:00)	
			Gender Day	
	10:00-13:00		Talanoa Dialogue: opening meeting of the political phase (9:00-10:30)	
	10.00-13.00		Talanoa Dialogue: high-level ministerial round tables (10:45-15:00)	
			Sports for Climate Action (11:30-13:00)	
	Lunch			
Tuesday, 11 Dec	15:00-18:00	Second part of the high-level segment (national statements)	Climate Action in Tourism (15:00-16:30)	
			Roundtable on SDG 9 and Climate (15:00-16:30)	
			Marrakech Partnership Closing (17:00-18:00)	
			Momentum for Change Award Ceremony (18:00-20:00)	
	Lunch			
	15:00-18:00	Closing plenaries of the COP and CMA (PAWP)		
	10:00-13:00	High-level segment (national statements)		
Wednesday,	Lunch			
12 Dec	15:00-18:00	Closing plenaries of COP and CMP	Momentum for Change Planetary Health: Food systems (13:15-14:45)	
		(non-PAWP agenda items)	Talanoa Dialogue: closing meeting of the political phase (16:00-18:00)	
	10:00-13:00		Education Day	
Thursday,	10.00 10.00		High-level education event (13:00-14:30)	
13 Dec	Lunch			
	15:00-18:00			
Friday,	10:00-13:00			
	Lunch			
14 Dec	15:00-18:00	Closing plenaries of the COP and CMA (PAWP)		



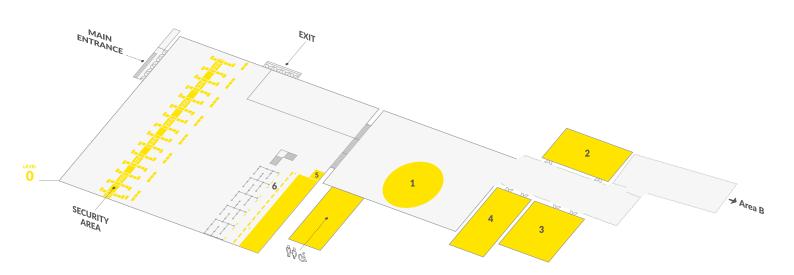


DESCRIPTION	ARI
Action Hub	F
Climate Action Rooms 1 - 3	
Main Entrance	
Registration	μ
Computer Center	В
Consignments Desk	В
Documents Distribution	E
First Aid	Е
Information Desk	Е
Lost and Found	Е
Meeting Rooms 1 - 19	E
Meeting Room Assignment	E
Plenary Mazowsze	E
Plenary Śląsk	E
Press Conference Room Warszawa	E
External Relations and Protocol	-
Cloakroom	
Computer Center	0
DSA / Bank	0
Exhibition Area	-
First Aid	

DESCRIPTION	ARE
Foodcourt	С
Regional Group Offices	С
Meeting Rooms 20 - 23	D
First Aid	Е
Meeting Room 25	Е
Pavilion Area / Delegation Offices	Е
Meeting Room 24 - Rysy	Е
Media Center / International Broadcast Center (IBC)	F
Press Conference Room Katowice	F
UNFCCC Offices	F
NGO Constituencies Offices	G
Side Event Rooms 1 - 6	G
UNFCCC Offices	G
Pavilion Area / Delegation Offices	Н
Pavilion entrance	н







Venue Map

















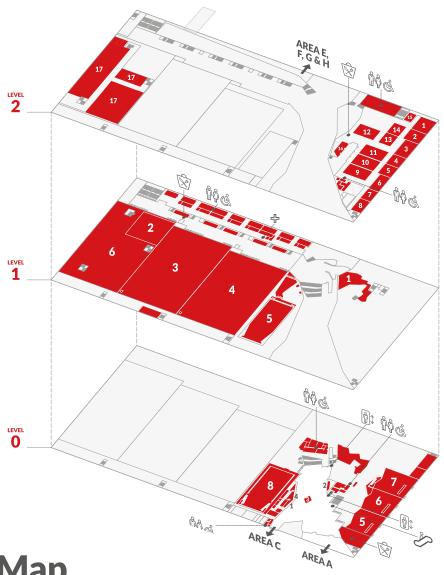












Venue Map

















DESCRIPTION	AREA	LEVEL	SPACE
Consignments Desk	В	0	1
Document Distribution	В	0	2
Information Desk	В	0	3
Lost & Found	В	0	4
Meeting Room 1	В	0	5
Meeting Room 2	В	0	6
Meeting Room 3	В	0	7
Press Conference Room Warszawa	В	0	8

DESCRIPTION	AREA	LEVEL	SPACE
Computer Center	В	1	1
Meeting Room 4	В	1	2
Plenary Mazowsze	В	1	3
Plenary Śląsk	В	1	4
Press Conference Room Warszawa	В	1	5
UNFCCC Offices	В	1	6













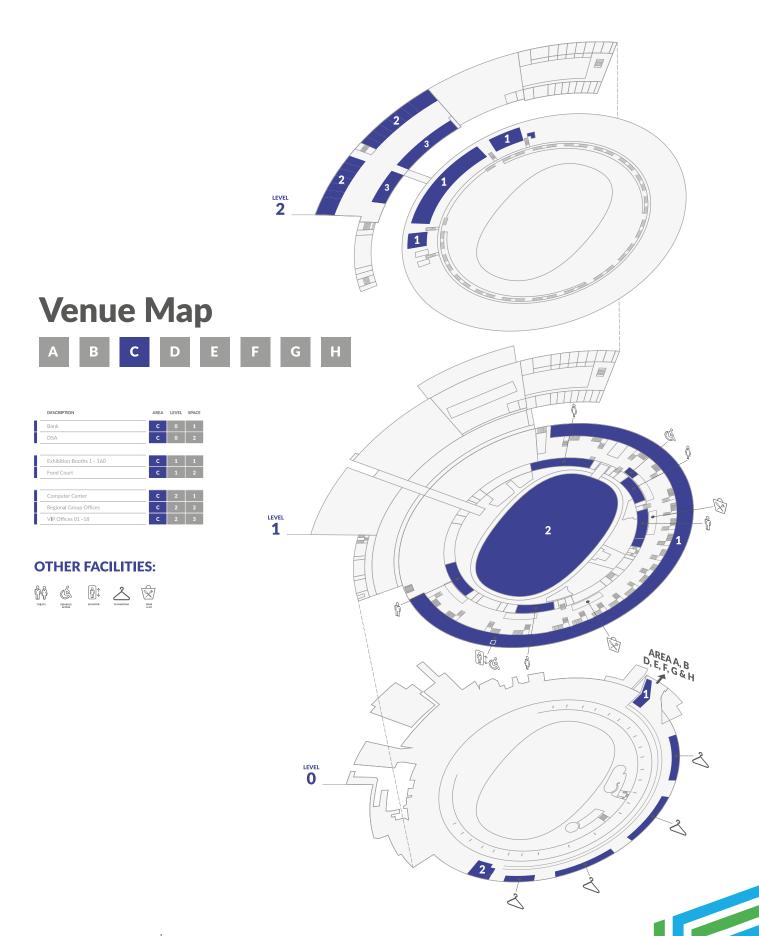




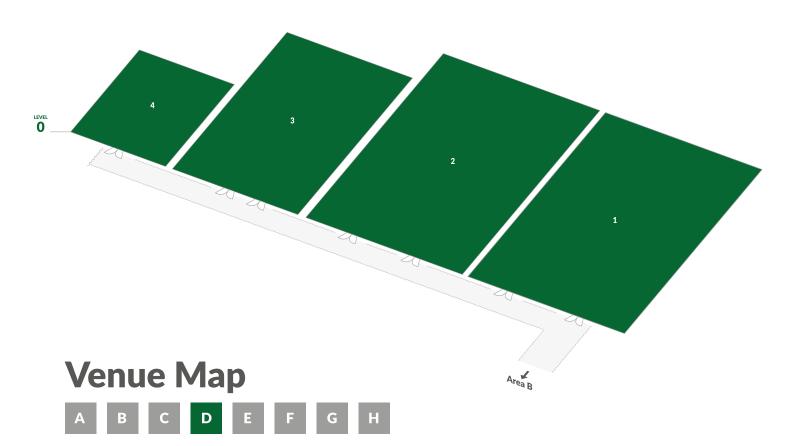
DESCRIPTION	AREA	LEVEL	SPACE
Meeting Room 5	В	2	1
Meeting Room 6	В	2	2
Meeting Room 7	В	2	3
Meeting Room 8	В	2	4
Meeting Room 9	В	2	5
Meeting Room 10	В	2	6
Meeting Room 11	В	2	7
Meeting Room 12	В	2	8
Meeting Room 13 - Uznam	В	2	9
Meeting Room 14 - Wolin	В	2	10
Meeting Room 15	В	2	11
Meeting Room 16	В	2	12
Meeting Room 17	В	2	13
Meeting Room 18	В	2	14
Meeting Room 19	В	2	15
Meeting Room Assignment Desk	В	2	16
UNFCCC Offices	В	2	17







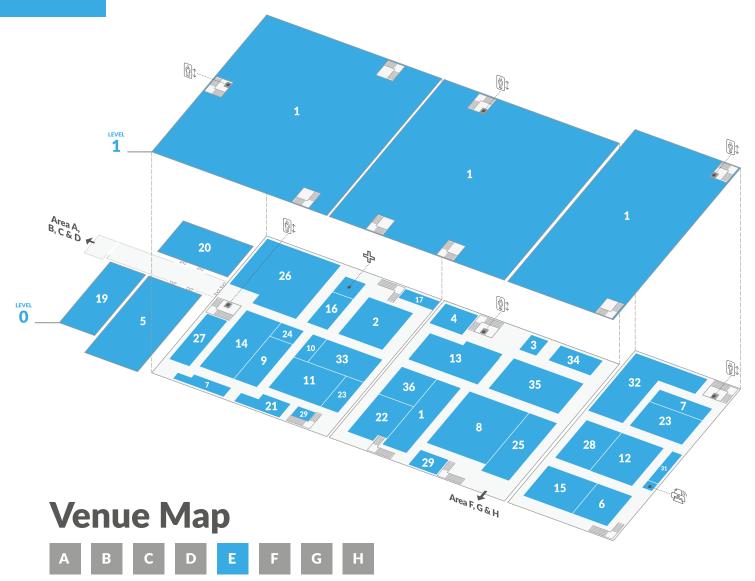




DESCRIPTION	AREA	LEVEL	SPACE
Meeting Room 20	D	0	1
Meeting Room 21 - Sudety	D	0	2
Meeting Room 22	D	0	3
Meeting Room 23	D	0	4







DESCRIPTION	AREA	LEVEL	SPACE
Austria	E	0	1
Benelux-EIB	E	0	2
Benin	E	0	3
Brazil	E	0	4
Cafe	E	0	5
China	E	0	6
Democratic Republic of Congo	E	0	7
European Union	E	0	8
France	E	0	9
France / ENERGIES 2050	E	0	10
Germany	E	0	11
Green Climate Fund (GCF)	E	0	12
India	E	0	13
Indonesia	E	0	14
Japan	E	0	15
Katowice	E	0	16



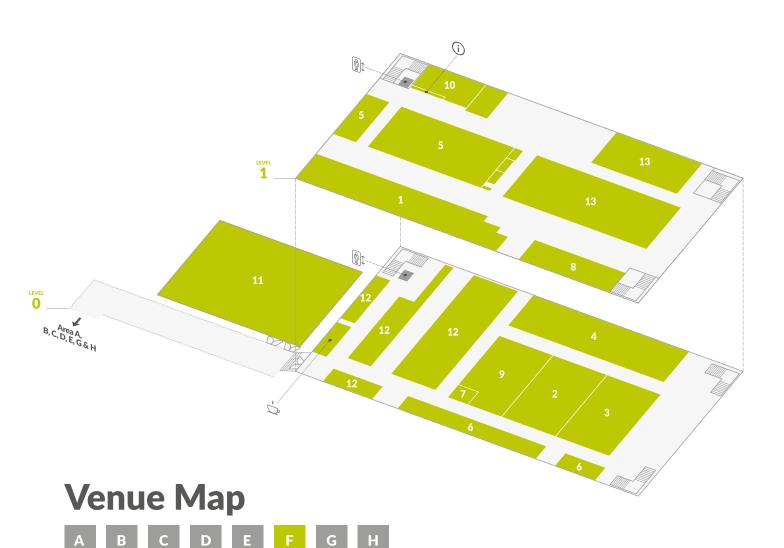




DESCRIPTION	AREA	LEVEL	SPA
Kazakhstan	E	0	17
Kingdom of Morocco	E	0	18
Meeting Room 25	E	0	19
Meeting Room 24 - Rysy	E	0	20
Mali	E	0	21
NDC Partnership	E	0	22
Nigeria	E	0	23
Organisation Internationale de la Francophonie (OIF/IFDD)	E	0	24
Pacific and Koronivia	E	0	25
Poland	E	0	26
Qatar	E	0	27
Republic of Korea	E	0	28
Republic of Serbia	E	0	25
Russian Federation	E	0	30
Senegal	E	0	31
The Gulf Cooperation Council (GCC)	E	0	32
United Kingdom of Great Britain and Northern Ireland	E	0	33
Uinted States of America	E	0	34
World Bank	E	0	35
WWF and US Climate Action Center	E	0	36
Delegation Offices	E	1	1







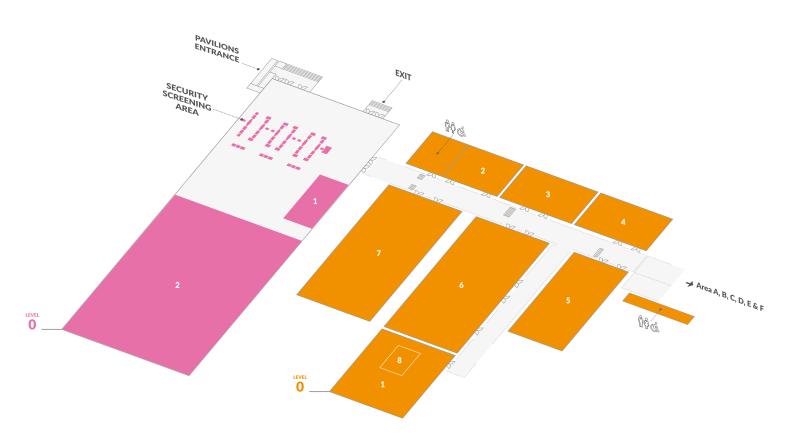
DESCRIPTION	AREA	LEVEL	SPACE
UNFCCC Communication and Outreach (CO)	F	1	1
Media Control Room (MCR)	F	0	2
Cubicles 01-07	F	0	3
Cubicles 08 - 12	F	0	4
Cubicles 12-26	F	1	5
Earth Negotiations Bulletin Offices (ENB)	F	0	6
Host Broadcaster (HB) Booking	F	0	7
Host Country Media Liaison	F	1	8
International Broadcast Center (IBC)	F	0	9
Media Information Desk	F	1	10
Press Conference Room Katowice	F	0	11
Workstation 01-73	F	0	12
Writing Press Area	F	1	13











Venue Map

















DESCRIPTION	AREA	LEVEL	SPACE
NGO Constituencies Offices	G	0	1
Side Event Room 1 - Beszczady	G	0	2
Side Event Room 2 - Pieniny	G	0	3
Side Event Room 3 - Narew	G	0	4
Side Event Room 4 - Warmia	G	0	5
Side Event Room 5 - Wisła	G	0	6
Side Event Room 6 - Bug	G	0	7
UNFCCC Observer Organizations Liaison Office (OOLO)	G	0	8
Cloakroom	G	0	1
Pavilion Area	G	0	2













Bank Ochrony Środowiska S.A. was established in 1991 as a specialist bank supplementing and supporting the activities of environmental protection funds. BOŚ concentrates its activity on the domestic market, implementing the principles of sustainable development, financing projects implemented with respect for the surrounding environment. During over 27 years of operation, BOŚ granted almost PLN 20 billion of proecological loans for various tasks to protect individual environmental components, and the value of investments carried out with the use of these loans exceeded PLN 50 billion. They fit into the mission of the Bank, which emphasizes that BOŚ is "Polish Bank combining business and ecology for the benefit of customers".



Chamber of Commerce Polish District Heating is an organization founded in 1994 that brings together traders, whose activities are related to the production, processing, storage, transmission and distribution and marketing of heat. The Chamber operates in the country as well as abroad and is a member of Euroheat & Power. It unites 250 members of different ownership structure and diversified sales volume of heat from below than 100 thousand GJ to 40 million GJ per year.



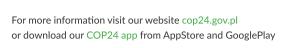
JSW is the largest coking coal and a major coke producer in the EU - the crucial ingredients for steel production, necessary for development of innovative technologies and industry. The company is constantly undertaking actions to meet the climate policy requirements by developing innovative and low-emission technologies, successively trying to increase the efficiency of production and use of available resources. JSW is making efforts to become totally self-sufficient in terms of energy, constantly reducing methane emissions. Company builds its own energy sources using photovoltaics as well as works on technology for separation of hydrogen from coke oven gas.



Leroy Merlin Polska is a network of sixty construction and decorative stores. The company is active in the field of environmental protection, including taking part in educational campaigns, eg "I CAN! Stop smog" in Silesian Voivodeship or "Breathe Warsaw" in the Mazovia Voivodeship. In addition, the company educates clients in the store on the subject of ecological heating. Leroy Merlin also cares for the children's education through the ecological educational campaign "Dzieciaki Sadzeniaki" conducted for years, thanks to which Leroy Merlin employees show children the role of plants in the ecosystem during the joint replanting of flowers. Over 100,000 children have participated in this event so far.



PKN ORLEN is a leading-edge player on the fuel and energy markets and the largest company in Central and Eastern Europe. We minimise any negative impact of our operations by adapting our plants and units to new environmental standards and requirements defined in the EU regulations and BAT Conclusions. We develop our operations using the latest low emission technologies, with the recently commissioned CCGT units in Płock and Włocławek being the case in point.









Partners of the COP24 Conference



Polish Mining Group (Polska Grupa Górnicza) - a modern and innovative enterprise which is the largest mining company in the European Union. We are a key employer in southern Poland, as well as a source of technological progress that creates pillars of growth and development of the Polish and European economy. We are developing thanks to increasing efficiency and process optimization together with maintaining high standards of environmental protection especially taking care of the climate.



Polish Oil and Gas Company (PGNiG) is the leader of the Polish natural gas market. PGNiG delivers a low-emission, affordable and reliable energy source for households and industry, which contributes to the Paris Agreement objectives and improves the air quality. Environmental attitude and quality of life are in the heart of PGNiG strategy.



PZU Group is one of the largest financial institutions in Poland and in Central and Eastern Europe. For over 200 years, the core of PZU Group is insurance activity, which aims to ensure a sense of peace and security for our clients through the offered comprehensive insurance protection in all crucial areas of private, public, and economic life. As a socially responsible organization, we subscribe to the concept that the value of our Company should be consistent with the interests of our environment and should be based on the sustainable and accountable use of the resources put at our disposal.



The Polish Electricity Association is an association of the electrical power sector, whose activities focus on issues related to the functioning of the industry in a modern market economy.

We engage in actions and projects thanks to which the Polish electrical power industry can better meet the challenges related to European integration, ensuring power supply safety, competitive market, environmental protection and development of state-of-the-art technologies.

We actively support the development of Polish electrical power industry, by conducting opinion-forming activities aimed at the improvement of power industry operations and shaping of a rational, industry-friendly regulatory environment, both in Poland and in the European Union.

We are a member of the Union of the Electricity Industry – EURELECTRIC, which is the biggest association of the electrical power industry in Europe.



T-Mobile Polska is one of the largest mobile operators in Poland, serving 10,509 million customers. The way of doing business has been important since the very beginning of T-Mobile Polska. Corporate social responsibility activities are an integral part of the T-Mobile Polska strategy. The belief that a strong company can only be built through the passion and commitment of employees, trust of suppliers and business partners, quality of services provided to customers, a favourable local societies and protection of the natural environment helped T-Mobile Polska to become one of today's strongest telecommunications brands.











More information for participants.





Framework Convention on Climate Change

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Conference of the Parties

Twenty-fourth session Katowice, 2–14 December 2018

Agenda item 4

Preparations for the implementation of the Paris Agreement and the first session of the Conference of the Parties serving as the meeting of the Parties to the Paris Agreement

Preparations for the implementation of the Paris Agreement and the first session of the Conference of the Parties serving as the meeting of the Parties to the Paris Agreement

Proposal by the President

Draft decision -/CP.24

The Conference of the Parties,

Recalling the Paris Agreement, adopted under the Convention,

Also recalling decisions 1/CP.21, 1/CP.22, 1/CP.23, 1/CMA.1 and 3/CMA.1,

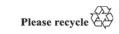
Further recalling decisions 6/CP.1, 6/CP.2, 25/CP.7, 5/CP.13, 12/CP.20 and 10/CP.21,

Recalling, in particular, decision 1/CP.21, paragraph 91, in which the Ad Hoc Working Group on the Paris Agreement was requested to develop recommendations for modalities, procedures and guidelines in accordance with Article 13, paragraph 13, of the Paris Agreement, and to define the year of their first and subsequent review and update, as appropriate, at regular intervals, for consideration by the Conference of the Parties at its twenty-fourth session with a view to forwarding them to the Conference of the Parties serving as the meeting of the Parties to the Paris Agreement for consideration and adoption at its first session,

Also recalling, in particular, decision 1/CP.21, paragraph 98, in which it was decided that the modalities, procedures and guidelines of the enhanced transparency framework under the Paris Agreement shall build upon and eventually supersede the measurement, reporting and verification system established by decision 1/CP.16, paragraphs 40–47 and 60–64, and decision 2/CP.17, paragraphs 12–62, immediately following the submission of the final biennial reports and biennial update reports,

GE.18-22012(E)







I. Paris Agreement work programme

- 1. Congratulates Parties that have ratified, accepted, approved or acceded to the Paris Agreement;
- 2. Expresses its appreciation to the subsidiary and constituted bodies for their work on the implementation of the work programme under the Paris Agreement pursuant to decision 1/CP.21, 1/CP.22 and 1/CP.23;
- 3. Reaffirms that, in the context of nationally determined contributions to the global response to climate change, all Parties are to undertake and communicate ambitious efforts as defined in Articles 4, 7, 9, 10, 11 and 13 of the Paris Agreement with a view to achieving the purpose of this Agreement as set out in its Article 2;
- 4. *Decides* to forward the following draft decisions for consideration and adoption by the Conference of the Parties serving as the meeting of the Parties to the Paris Agreement at the third part of its first session:¹

Matters relating to Article 4 of the Paris Agreement and paragraphs 22–35 of decision 1/CP.21

- (a) Draft decision -/CMA.1 titled "Further guidance in relation to the mitigation section of decision 1/CP.21" (FCCC/CP/2018/L.22);
- (b) Draft decision -/CMA.1 titled "Modalities and procedures for the operation and use of a public registry referred to in Article 4, paragraph 12, of the Paris Agreement" (FCCC/CP/2018/L.8);
- (c) Draft decision -/CMA.1 titled "Modalities, work programme and functions under the Paris Agreement of the forum on the impact of the implementation of response measures" (FCCC/CP/2018/L.17);

Matters relating to Article 6 of the Paris Agreement and paragraphs 36–40 of decision 1/CP.21

- (d) Draft decision -/CMA.1 titled "Guidance on cooperative approaches referred to in Article 6, paragraph 2, of the Paris Agreement" (FCCC/CP/2018/L.24);
- (e) Draft decision -/CMA.1 titled "Rules, modalities and procedures for the mechanism established by Article 6, paragraph 4, of the Paris Agreement" (FCCC/CP/2018/L.25);
- (f) Draft decision -/CMA.1 titled "Work programme under the framework for non-market approaches referred to in Article 6, paragraph 8, of the Paris Agreement" (FCCC/CP/2018/L.26);

Matters relating to Article 7 of the Paris Agreement and paragraphs 41, 42 and 45 of decision 1/CP.21

- (g) Draft decision -/CMA.1 titled "Further guidance in relation to the adaptation communication, including, inter alia, as a component of nationally determined contributions, referred to in Article 7, paragraphs 10 and 11, of the Paris Agreement" (FCCC/CP/2018/L.21);
- (h) Draft decision -/CMA.1 titled "Modalities and procedures for the operation and use of a public registry referred to in Article 7, paragraph 12, of the Paris Agreement" (FCCC/CP/2018/L.9);

2

¹ In addition to the draft decisions listed, draft decision -/CMA.1 titled "Common time frames for nationally determined contributions referred to in Article 4, paragraph 10, of the Paris Agreement" and draft decision -/CMA.1 titled "Ways of enhancing the implementation of education, training, public awareness, public participation and public access to information so as to enhance actions under the Paris Agreement" were forwarded by the Subsidiary Body for Implementation at its forty-ninth session (FCCC/SBI/2018/L.27) and at its forty-eighth session (FCCC/SBI/2018/9/Add.1, pp.5–6), respectively, for consideration and adoption by the Conference of the Parties serving as the meeting of the Parties to the Paris Agreement at the third part of its first session.

(i) Draft decision -/CMA.1 titled "Matters referred to in paragraphs 41, 42 and 45 of decision 1/CP.21" (FCCC/CP/2018/L.14);

Matters relating to Article 9 of the Paris Agreement and paragraphs 52–64 of decision 1/CP.21

- (j) Draft decision -/CMA.1 titled "Identification of the information to be provided by Parties in accordance with Article 9, paragraph 5, of the Paris Agreement" (FCCC/CP/2018/L.15);
- (k) "Modalities for the accounting of financial resources provided and mobilized through public interventions in accordance with Article 9, paragraph 7, of the Paris Agreement";2
- (l) Draft decision -/CMA.1 titled "Matters relating to the Adaptation Fund" (FCCC/CP/2018/L.11);

Matters relating to Article 10 of the Paris Agreement and paragraphs 66–70 of decision 1/CP.21

- (m) Draft decision -/CMA.1 titled "Scope of and modalities for the periodic assessment referred to in paragraph 69 of decision 1/CP.21" (FCCC/CP/2018/L.3);
- (n) Draft decision -/CMA.1 titled "Technology framework under Article 10, paragraph 4, of the Paris Agreement" (FCCC/CP/2018/L.7);

Matters relating to Article 13 of the Paris Agreement and paragraphs 84–98 of decision 1/CP.21

(o) Draft decision -/CMA.1 titled "Modalities, procedures and guidelines for the transparency framework for action and support referred to in Article 13 of the Paris Agreement" (FCCC/CP/2018/L.23); ³

Matters relating to Article 14 of the Paris Agreement and paragraphs 99–101 of decision 1/CP.21

(p) Draft decision -/CMA.1 titled "Matters relating to the global stocktake referred to in Article 14 of the Paris Agreement" (FCCC/CP/2018/L.16);

Matters relating to Article 15 of the Paris Agreement and paragraphs 102 and 103 of decision 1/CP.21

- (q) Draft decision -/CMA.1 titled "Modalities and procedures for the effective operation of the committee to facilitate implementation and promote compliance referred to in Article 15, paragraph 2, of the Paris Agreement" (FCCC/CP/2018/L.5);
- 5. *Also decides* that the work of the Ad Hoc Working Group on the Paris Agreement conducted in accordance with decision 1/CP.21 has been completed;

II. High-level ministerial dialogue on climate finance

- 6. Welcomes the third high-level ministerial dialogue on climate finance, convened in accordance with decision 3/CP.19, paragraph 13;
- 7. *Notes* that the dialogue highlighted progress in and remaining barriers to translating climate finance needs into action and enhancing developing countries' access to climate finance;

The outcome on "Modalities for the accounting of financial resources provided and mobilized through public interventions in accordance with Article 9, paragraph 7, of the Paris Agreement" is incorporated in chapter V of draft decision -/CMA.1 titled "Modalities, procedures and guidelines for the transparency framework for action and support referred to in Article 13 of the Paris Agreement" (FCCC/CP/2018/L.23).

³ As footnote 2 above.

- 8. Welcomes with appreciation the pledges and announcements of Parties, including pledges to the Green Climate Fund, the Least Developed Countries Fund and the Adaptation Fund, and of international financial institutions, which provide further clarity to and predictability of climate finance flows to 2020;
- 9. Also welcomes with appreciation the 2018 Biennial Assessment and Overview of Climate Finance Flows of the Standing Committee on Finance, in particular its key findings and recommendations highlighting the increase in climate finance flows from developed country Parties to developing country Parties;⁴
- 10. *Notes* that the dialogue underscored the urgent need to scale up the mobilization of climate finance, including through greater engagement of the private sector, to increase finance for adaptation, and to align financial flows with the objectives of the Paris Agreement and the United Nations Sustainable Development Goals;
- 11. Also notes that the dialogue highlighted the recently initiated replenishment process of the Green Climate Fund as a clear opportunity for enhancing ambition, as well as the importance of transparency and predictability of climate finance, clear eligibility criteria for funding and strong national policy and regulatory frameworks to enhance the mobilization of and access to climate finance:
- 12. Further notes that the President of the Conference of the Parties at its twenty-fourth session will summarize the deliberations of the dialogue for consideration by the Conference of the Parties at its twenty-fifth session (November 2019) in accordance with decision 3/CP.19, paragraph 13;

III. Implementation and ambition

- 13. *Notes with concern* the current, urgent and emerging needs related to extreme weather events and slow onset events in developing countries that are particularly vulnerable to the adverse effects of climate change;
- 14. *Stresses* the urgency of enhanced ambition in order to ensure the highest possible mitigation and adaptation efforts by all Parties;
- 15. *Recognizes* the urgent need to enhance the provision of finance, technology and capacity-building support by developed country Parties, in a predictable manner, to enable enhanced action by developing country Parties;

Pre-2020

- 16. *Emphasizes* that enhanced pre-2020 ambition can lay a solid foundation for enhanced post-2020 ambition;
- 17. Congratulates Parties that have accepted the Doha Amendment to the Kyoto Protocol;
- 18. *Underscores* the urgent need for the entry into force of the Doha Amendment and *urges* Parties to the Kyoto Protocol that have yet to ratify the Doha Amendment to the Kyoto Protocol to deposit their instruments of acceptance with the Depositary as soon as possible;
- 19. *Welcomes* the 2018 stocktake on pre-2020 implementation and ambition, and *reiterates* its decision⁵ to convene another stocktake at its twenty-fifth session;
- 20. Reiterates its resolve to enhance the provision of urgent and adequate finance, technology and capacity-building support by developed country Parties in order to enhance the level of ambition of pre-2020 action by Parties, and in this regard strongly urges developed country Parties to scale up their level of financial support, with a concrete road map to achieve the goal of jointly mobilizing USD 100 billion annually by 2020 for mitigation and adaptation while significantly increasing adaptation finance from current levels and to further provide appropriate technology and capacity-building support;

⁴ FCCC/CP/2018/8, annex II.

⁵ Decision 1/CP.23, paragraph 18.

Post-2020

- 21. Also reiterates its invitation⁶ to Parties to communicate, by 2020, mid-century, long-term low greenhouse gas emission development strategies in accordance with Article 4, paragraph 19, of the Paris Agreement, and welcomes the strategies that have already been communicated:
- 22. Further reiterates its request⁷ to those Parties whose intended nationally determined contribution pursuant to decision 1/CP.20 contains a time frame up to 2025 to communicate by 2020 a new nationally determined contribution and to do so every five years thereafter pursuant to Article 4, paragraph 9, of the Paris Agreement;
- 23. Reiterates its request⁸ to those Parties whose intended nationally determined contribution pursuant to decision 1/CP.20 contains a time frame up to 2030 to communicate or update by 2020 the contribution and to do so every five years thereafter pursuant to Article 4, paragraph 9, of the Paris Agreement;

IV. Special Report of the Intergovernmental Panel on Climate Change

- 24. *Recognizes* the role of the Intergovernmental Panel on Climate Change in providing scientific input to inform Parties in strengthening the global response to the threat of climate change in the context of sustainable development and efforts to eradicate poverty;
- 25. Expresses its appreciation and gratitude to the Intergovernmental Panel on Climate Change and the scientific community for responding to the request of the Conference of the Parties and providing the Special Report on Global Warming of 1.5 °C,9 reflecting the best available science;
- 26. *Welcomes* the timely completion of the Intergovernmental Panel on Climate Change Special Report on Global Warming of 1.5 °C in response to the invitation from Parties in decision 1/CP.21, paragraph 21;
- 27. *Invites* Parties to make use of the information contained in the report referred to in paragraph 25 above in their discussions under all relevant agenda items of the subsidiary and governing bodies;
- 28. Requests the Subsidiary Body for Scientific and Technological Advice to consider at its fiftieth session (June 2019) the report referred to in paragraph 25 above with a view to strengthening the scientific knowledge on the 1.5 °C goal, including in the context of the preparation of the Sixth Assessment Report of the Intergovernmental Panel on Climate Change and the implementation of the Convention and the Paris Agreement;
- 29. *Encourages* Parties to continue to support the work of the Intergovernmental Panel on Climate Change;

V. Talanoa Dialogue

30. *Recalls* its decision¹⁰ to convene a facilitative dialogue among Parties in 2018 to take stock of the collective efforts of Parties in relation to progress towards the long-term goal referred to in Article 4, paragraph 1, of the Paris Agreement and to inform the preparation of

⁶ Decision 1/CP.21, paragraph 35.

⁷ Decision 1/CP.21, paragraph 23.

⁸ Decision 1/CP.21, paragraph 24.

⁹ Intergovernmental Panel on Climate Change. 2018. Global Warming of 1.5 °C: An IPCC Special Report on the impacts of global warming of 1.5 °C above pre-industrial levels and related global greenhouse gas emission pathways in the context of strengthening the global response to the threat of climate change, sustainable development, and efforts to eradicate poverty. Available at http://ipcc.ch/report/sr15/.

¹⁰ Decision 1/CP.21, paragraph 20.

nationally determined contributions pursuant to Article 4, paragraph 8, of the Paris Agreement;

- 31. Expresses its appreciation to the Presidents of the twenty-third and twenty-fourth sessions of the Conference of the Parties for their leadership in the organization, conduct and conclusion of the Talanoa Dialogue;
- 32. Also expresses its appreciation to the people of Fiji and the Pacific region for having brought into the UNFCCC process the tradition of Talanoa, whose purpose is to share stories, build empathy and generate trust;
- 33. Acknowledges that the Talanoa Dialogue was an inclusive and participatory process that incentivized exchanges between Parties and non-Party stakeholders following the Pacific tradition of Talanoa;
- 34. Also acknowledges that the Talanoa Dialogue took stock of the collective efforts of Parties in relation to progress towards the long-term goal referred to in Article 4, paragraph 1, of the Paris Agreement and provided information for the preparation of nationally determined contributions pursuant to Article 4, paragraph 8, of the Paris Agreement;
- 35. *Takes note* of the outcome, inputs and outputs¹¹ of the Talanoa Dialogue and their potential to generate greater confidence, courage and enhanced ambition;
- 36. *Recognizes* the efforts and actions that Parties and non-Party stakeholders are undertaking to enhance climate action;
- 37. *Invites* Parties to consider the outcome, inputs and outputs of the Talanoa Dialogue in preparing their nationally determined contributions and in their efforts to enhance pre-2020 implementation and ambition;

VI. Matters relating to the modalities, procedures and guidelines for the transparency framework for action and support referred to in Article 13 of the Paris Agreement

- 38. Decides that, pursuant to decision 1/CP.21, paragraph 98, for Parties to the Convention that are also Parties to the Paris Agreement, the final biennial reports shall be those that are submitted to the secretariat no later than 31 December 2022, and the final biennial update reports shall be those that are submitted to the secretariat no later than 31 December 2024:
- 39. *Reaffirms* that, consistently with decision 1/CP.21, paragraph 98, for Parties to the Paris Agreement, following the submission of the final biennial reports and biennial update reports, the modalities, procedures and guidelines contained in the annex to decision -/CMA.1¹² will supersede the measurement, reporting and verification system established by decision 1/CP.16, paragraphs 40–47 and 60–64, and decision 2/CP.17, paragraphs 12–62;
- 40. Also reaffirms the reporting obligations under Articles 4 and 12 of the Convention;
- 41. *Decides* in this context that, for Parties to the Paris Agreement, the biennial transparency reports, technical expert review and facilitative, multilateral consideration of progress prepared and conducted in accordance with the modalities, procedures and guidelines referred to in paragraph 39 above shall replace the biennial reports, biennial update reports, international assessment and review, and international consultation and analysis referred to in decision 2/CP.17;
- 42. Also decides that, to fulfil national inventory reporting obligations under the Convention, Parties to the Paris Agreement submitting annual national inventory reports under the Convention shall use the modalities, procedures and guidelines for national inventory reports contained in chapter III of the annex to decision -/CMA.1 by the date that

¹¹ For information on the outcome, inputs and outputs, see https://talanoadialogue.com/.

Draft decision titled "Modalities, procedures and guidelines for the transparency framework for action and support referred to in Article 13 of the Paris Agreement", proposed under agenda item 4 of the Conference of the Parties at its twenty-fourth session,

the reports are first due under the Paris Agreement, with the technical expert review to be conducted in accordance with the corresponding modalities, procedures and guidelines contained in chapter VII of the annex to decision -/CMA.1, in place of the greenhouse gas inventory reporting guidelines contained in the annex to decision 24/CP.19 and the review guidelines in the annex to decision 13/CP.20, respectively, including in years in which a biennial transparency report is not due under the Paris Agreement;

- 43. Further decides that, with respect to the reporting and review of national communications under the Convention every four years, starting from the date that reports are first due under the Paris Agreement:
- (a) Parties may submit their national communication and biennial transparency report as a single report in accordance with the modalities, procedures and guidelines included in the annex to decision -/CMA.1 for information also covered by the national communication reporting guidelines contained in, as applicable, decisions 4/CP.5 and 17/CP.8:
 - (b) In addition, Parties shall include in the report:
 - (i) Supplemental chapters on research and systematic observation and on education, training and public awareness, in accordance with the guidelines contained in, as applicable, decisions 4/CP.5 and 17/CP.8;
 - (ii) For those Parties that have not reported under chapter IV of the annex to decision -/CMA.1, an additional chapter on adaptation, in accordance with the relevant guidelines contained in, as applicable, decisions 4/CP.5 and 17/CP.8;
- (c) For those Parties whose national communications are subject to review under decision 13/CP.20, the review shall be conducted in accordance with the relevant guidelines contained in chapter VII of the annex to decision -/CMA.1, and shall also include a review of the information submitted under paragraph 43(b) above, in accordance with relevant guidance in decision 13/CP.20, as applicable;
- 44. Reiterates that for Parties to the Convention that are not Parties to the Paris Agreement, reporting obligations under Articles 4 and 12 of the Convention and existing measurement, reporting and verification arrangements under the Convention shall continue to apply, in accordance with relevant decisions, as applicable, and decides that, to enhance comparability of information, those Parties may use the modalities, procedures and guidelines contained in the annex to decision -/CMA.1, as well as the information referred to in paragraph 43(b) above with respect to national communications, to meet their reporting commitments under Articles 4 and 12 of the Convention, in lieu of guidance adopted under the Convention;
- 45. Decides that the technical annex referred to in decision 14/CP.19, paragraph 7, containing modalities for measuring, reporting and verifying the activities referred to in decision 1/CP.16, paragraph 70, shall be submitted as an annex to the biennial transparency report;
- 46. Also decides that the technical analysis referred to in decision 14/CP.19, paragraph 11, containing modalities for measuring, reporting and verifying the activities referred to in decision 1/CP.16, paragraph 70, shall be carried out concurrently with the technical expert review under Article 13 of the Paris Agreement;

VII. Leaders' Summit

47. Welcomes the participation of Heads of State and Governments in the Leaders' Summit convened in Katowice, Poland, on 3 December 2018:

48. *Notes* the Solidarity and Just Transition Silesia Declaration,¹³ which recognizes the need to take into account the imperatives of just transition of the workforce and the creation of decent work and quality jobs;

VIII. United Nations Climate Summit in 2019

- 49. *Welcomes* the initiative of the United Nations Secretary-General to convene a Climate Summit in 2019;
- 50. Calls on Parties to participate in the Summit and to demonstrate, through such participation, their enhanced ambition in addressing climate change;

IX. Administrative and budgetary matters

- 51. *Takes note* of the estimated budgetary implications of the activities to be undertaken by the secretariat referred to in this decision;
- 52. *Requests* that the actions of the secretariat called for in this decision be undertaken subject to the availability of financial resources.

¹³ https://cop24.gov.pl/presidency/initiatives/just-transition-declaration/











9th Annual



Sustainable **Innovation Forum**

2018

9 - 10 December 2018 Katowice, Poland

Event Brochure



Introduction



Where policy-makers and climate technology innovators meet on the sidelines of COP

As an official affiliate event of COP24, the 9th annual Sustainable Innovation Forum 2018 will build on the success of the last 8 years to deliver the most engaging, informative and wide reaching Forum yet - on the sidelines of COP24.

With COP24 being hailed by the UNFCCC as 'Paris 2.0', the Sustainable Innovation Forum presents a crucial opportunity to drive forward the Paris Agreement framework by bringing together 600 delegates engaged with fast tracking the global green economy. With this in mind the Forum will open with an innovation day providing thought leadership, deep-dive discussion, capacity building and networking on four key drivers, Circular Economy, Energy Transition, Sustainable Mobility and Climate Finance. Day two will deliver further high level policy discussion and debate, structured and informal networking and inspirational keynote speeches by leading ministers, cities, multilateral organisations, investors and private sector vendors and solution providers.

Selected segments of the two days will be streamed live to a targeted global audience of over 10,000 participants online and a global twitter and social media reach of over 10 million.



"The Sustainable Innovation Forum (SIF) brings together leading companies, highlevel ministers, mayors from cities all over the world and young professionals to discuss the obstacles and opportunities of sustainable development. It's all about cooperation when tackling climate change. We always pick up new ideas and expand our network with the SIF."

Dr. Thomas Becker, Vice President of Government Affairs, BMW Group (SIF17)

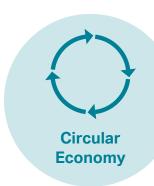
The Sustainable Innovation Forum, hosted by Climate Action, has been a visible presence at the UN's climate change negotiations for almost a decade. This includes playing a part in the historic 2015 Paris Agreement.



What to expect for 2018

New for 2018, the Sustainable Innovation Forum will focus on four key drivers for tackling climate change and facilitating a green economy. Each driver will have their own sessions across the two days.

Four key streams







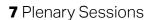
Energy Transition



Climate Finance

The Sustainable Innovation Forum in Numbers







4 Deep-dive streams



4+ Hours of networking



5+ Hours of live streaming



4+ Hours of high level panel dicussions



2+ Hours of deep dive content



1 Networking drinks reception

The venue

Vienna House Easy Katowice, is a 4 star hotel, conveniently located with only a 12 minute walking distance from the COP24 venue, Spodek.





Sunday, 09 December 2018 - Innovation in Action

10:00	Registration				
11:00	Chairperson's welcome remarks				
11:05	Opening Welcome Keynote: COP24: Objectives & Opportunities Hon. Michał Kurtyka, Secretary of State (Vice Minister), Ministry of Environment, Poland & President of COP24				
11:30	Innovation Talk: Reimagining Drinking Water Access And Supply For A Sustainable Future Without Single-Use Plastic Bottles Anders Jacobson, Chief Executive Officer, Bluewater, Sweden				
11:40	 Tackling Single Use Plastic and Its Impact On Our Oceans How big is the problem and what is the impact on our oceans and food chains What are Governments and policy makers doing to address the issue and how can they do more Can the private sector provide the innovation and leadership to move the needle Panellist: Anders Jacobson, Chief Executive Officer, Bluewater, Sweden 				
12:30	Networking Lunch				
	Deep-Dive Programme: Part 1 Select two of the four deep dive sessions				
	Sustainable Mobility	Climate Finance Session moderator: Teresa Fogelberg, Deputy Chief Executive, Global Reporting Initiative (GRI), Netherlands			
13:30	 Keynote Current industry progress Key challenges and opportunities What's next on the horizon? Dr. Thomas Becker, Vice President Governmental Affairs, BMW Group, Germany 	KeynoteCurrent industry progressKey challenges and opportunitiesWhat's next on the horizon?			



Sunday, 09 December 2018 - Innovation in Action

13:45

Driving Innovation Panel: Overcoming The Infrastructure and Charging Challenge

- What are cities and the energy sector planning to support and encourage the demand of EVs?
- What initiatives are increasing the deployment of EV infrastructure?
- What financial mechanism are supporting the development of charging infrastructure? Who is investing into the development?
- How are EVs in rural areas being supported?

Dr. Nancy Vandycke, Founder and Head of Sustainable Mobility for All and Economic Advisor of the Transport Global Practice, World Bank, USA Gloria Zavatta, Chief Executive Officer, Agency for Mobility, Environment and Territory (AMAT), City of Milan, Italy

Victor Cheng, Senior Vice President and General Manager, ICTBG, Delta Electronics, Inc., Taiwan

Driving Innovation Panel: Technologies Changing the Climate Finance Landscape

- What are the impacts of digitalisation on the low carbon economy?
- How are new approaches to finance like blockchain impacting the climate finance space?
- What are the latest global trends that are revolutionising the climate finance world?
- · How are different financial mechanisms being leveraged- from venture capital to equity investment- to accelerate these solutions?

Panellists:

Dr. Barbara Buchner, Director, The Climate Lab; Executive Director, Climate Finance, Climate Policy Initiative, USA

Michael Brown, Manager of Environmental Finance Programs, San Francisco Public Utilities Commission, City of San Francisco, USA

14:35

Accelerating The Shift: Lower Carbon Fuel Solutions

Paulus Tjakrawan Taningdjaja, Commissioner, Indonesia Biofuels Producer Association, Indonesia

Game Changers: Shaping the Future of Transportation

- What technologies can drive drastic change in the transportation sector?
- How can we fast track decarbonisation to move towards a low carbon economy by 2020?

Game Changers: The Financial Tools Of Tomorrow

• How will blockchain applications revolutionise carbon markets?

Presented by Climate Coin

14:55

Networking Refreshment Break



Sunday, 09 December 2018 - Innovation in Action

Deep-Dive Programme: Part 2 Select two of the four deep dive sessions		
	Circular Economy	Energy Transition Session Moderator: Marzia Zafar, Director of Innovation and Issues Monitor, World Energy Council, UK
15:30	 Keynote Current industry progress Key challenges and opportunities What's next on the horizon? Presented by Dow	KeynoteCurrent industry progressKey challenges and opportunitiesWhat's next on the horizon?
15:45	 Driving Innovation Panel: The 'How's' Of Transitioning To A Circular Economy Business Model How to enter a circular economy model? What needs to be taken into consideration? What is the motivation and benefits? What are the requirements and which solutions are available to support the transition? What are the policy approaches towards a circular economy? Are there any fiscal incentives and financial schemes to support the transition? What role does digital technology play? Panellists: Wayne Hubbard, Chief Executive Officer, London Waste and Recycling Board (LWRB), UK Harald Friedl, Chief Executive Officer, Circle Economy, Netherlands 	 Driving Innovation Panel: Accelerating Innovation For A Low Carbon Future Identify the latest approaches to innovation funding that are demonstrating to be a success in driving technology developments forward What are the most promising emerging technologies? How can barriers to their deployment be reduced? How to assure that clean energy technologies are effectively and equitably integrated into existing energy systems? Exchanging trends and best practices to enable the transition towards clean energy markets Panellists: Andreas Kuhlmann, Chief Executive Officer, German Energy-Agency (dena); Initiator, Start Up Energy Transition Connie Hedegaard, Chair of the Board, KR Foundation Dr. Dieter Vollkommer, Corporate Vice President Sustainability, Siemens AG, Germany
16:35	 Game Changers: Embracing The Potential Which organisations and countries are leading the circular economy shift? Are there any geographic trends? Any hotspots? What technologies and business opportunities are starting to emerge? 	Game Changers: Blockchain Technology What are the most exciting current applications of blockchain technology the energy space? How will the industry evolve over the next 12 months? Panellists: Paul Massara, Chief Executive Officer, Electron, UK
16:55	Transition From Parallel Stream Sessions To C	Closing Keynote
17:00	Innovation in Action Closing Keynote	
17:15	Networking Drinks Reception Conference day one ends	

Monday, 10 December 2018 - High-level Dialogue

09:00	Registration	
10:00	Chairperson's welcome remarks	
10:05	Welcome Keynote Address	
	Rachel Kyte, Chief Executive Officer, Sustainable Energy for All (SEforALL), and Special Representative of the UN Secretary-General for Sustainable Energy for All	
10:30	Keynote: Driving Economic Sustainability With Zero Emissions	
	Baudouin Denis, Managing Director, BMW Group, Poland	
Climate Finance		

10:45 Transforming the global financial system for sustainable growth

Efforts to embed environmental monitoring standards, green products and sustainable modes of operation are spreading throughout all aspects of the global financial system. This panel explores the latest approaches to financing the sustainable transition and how investments can be targeted and scaled to meet international climate targets.

- Which new products and approaches are providing most impact in scaling climate finance?
- What impacts does TCFD recommendations have on monitoring climate risk?
- · How are investors and policy makers working together to align investment tactics to address climate action?
- How are financial centres and other traditional financial institutes responding to the sustainability challenge?

Moderator: Simon Zadek, Co-Chair, UNEP Inquiry, Switzerland

Panellists:

Said Ibrahimi, Chief Executive Officer, Casablanca Finance City Authority, Morocco Jos Delbeke, Director-General, EC Climate Action, Belgium

11:45 Networking Refreshment Break | Sponsored by: Sponsored by:

Sustainable Mobility

12:15 **Sustainable Mobility Leaders Panel**

- Accelerating the deployment of electric vehicles and charging infrastructure
- Hear Countries plans for during and post phase out of petrol and diesel cars
- · Why collaboration across sectors and industries is key to an integrated and connected transport industry
- How using real time data from connected vehicles can reduce waste and inefficiencies
- What is driving the momentum behind the shift towards electric vehicles?

Moderator: Andy Eastlake, Chief Executive Officer, Low Carbon Vehicle Partnership (LowCVP), UK

Bob Wieckowski, California State Senator, California State Legislature, USA

Hon. George Heyman, Minister of Environment and Climate Change Strategy, Government of British Columbia, Canada

Dr. Thomas Becker, Vice President Governmental Affairs, BMW Group, Germany

Monday, 10 December 2018 - High-level Dialogue

13:05	Game Changers: 3D Printing Explore the role of 3D printing for sustainable engineering				
13:15	Networking Lunch				
	Energy Transition				
14:15	Whole Systems Thinking for Low Carbon Energy Transition As urgency around climate change increases and technology costs fall, energy systems need to rapidly adapt to increasing renewables integration, decentralised generation and innovations in electric vehicles and battery storage. This panel explores how this can this transition be accelerated as quickly as possible. • How are policy makers and the private sector engaging to build future energy systems? • Which technologies are having the greatest impact? • •What regulatory frameworks need to be in place to enable the transformation? • How will increasing digitalisation impact efficiency, data collection and system security? • How can we engage wider society in embracing low carbon approaches? Moderator: Sir Philip Lowe, Executive Chair, Energy Trilemma, World Energy Council Panellists: Patrick Child, Directorate-General for Research and Innovation, European Commission Cyrille Brisson, Vice President, Eaton EMEA Henk van Raan, Chief Innovation Officer, Johann Cruyff ArenA, Amsterdam				
15:05	Game Changers: The New Frontier of Energy Storage Showcasing the latest innovations in energy storage that are enabling the transition to a sustainable cleaner energy future.				
15:15	Networking Refreshment Break Sponsored by:				
	Sustainable Cities				
15:45	Keynote Address Toshinori Abe, Chief Executive Officer, Sekisui House Ltd, Japan				
16:05	Cities Exchange Panel: Innovations That Are Supporting Sustainable And Smart Cities Of The Future • How to redesign urban environments to facilitate clean air through a sustainable integrated transportation system • Managing the impact on biodiversity from urbanisation, consumption of materials and energy • The role of green buildings and sustainable construction in urban sprawl Panellist: Lin-Yi, Tsai, Deputy Commissioner, Department of Environmental Protection, Taipei City Government, Taiwan Lan Marie Nguyen Berg, Vice Mayor, Environment and Transport, City of Oslo, Norway Nicoletta Piccolrovazzi, Global Technology and Sustainability Director, Dow				

Monday, 10 December 2018 - High-level Dialogue

Circular Economy

16:55

The Circular Economy Leaders Debate: A Call To Action

- Overcoming the challenges to transition to a circular economy
- How to develop innovative ways to reuse waste during the manufacturing process
- How will circular economy impact energy transition, transportation and climate finance?

Hon. Guomundur Ingi Guobrandsson, Minister, Ministry of Environment and Natural Resources/Fisheries and Agriculture, Iceland

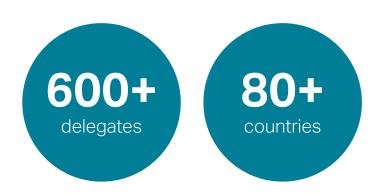
Hon. Kimmo Tiilikainen, Minister, Ministry of the Environment, Finland

Closing Keynote Address		
17:45	Paving The Way For Cop25	
18:00	Close of the 9th Annual Sustainable Innovation Forum 2018	

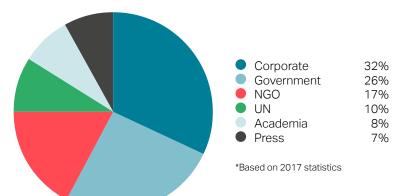


Who will you meet?





Audience Breakdown





"SIF is one of the key side events during the COP conferences. I am very pleased to have been part of this outstanding forum, bringing together an excellent mix of speakers and participants."

Jonathan Taylor, VP Environment and Climate Action, European Investment Bank

Attendees Include



Why attend?



Hear from prominent industry figures:

Meet and hear from the most influential players in climate change policy and action.

Capacity building and knowledge:

Learn from 80+ of the world's most sought-after thought leaders discussing the most pressing matters in combating climate change within Circular Economy, Sustainable Mobility, Energy Transition and Climate Finance.

Forge partnerships:

Gain face-to-face time with governments and financial partners. Enjoy two days of learning and networking with peers whose support can be incremental to your business ventures and projects.



Discover innovative solutions:

Learn and exchange ideas with solution experts and industry thought leaders and pick up strategies and technologies which can accelerate your sustainable projects.



Deep-dive into vast opportunities:

Join deep-dive content sessions with leading experts for a dynamic intimate learning and networking experience that will ensure you get unique insights to the latest trends within Climate Finance, Energy Transition, Sustainable Mobility and Circular Economy.



Invaluable Networking time:

Formal and informal networking opportunities ensure you will meet with a number of peers who are also vested in tackling climate change.

2018 Speakers Include





Anders Jacobson, President and Chief Strategy Officer, Bluewater, Sweden



Bob Wieckowski, California State Senator, California State Legislature, USA



Connie Hedegaard, Chair of the Board, KR Foundation



Harald Friedl, Chief Executive Officer, Circle Economy, The Netherlands





Lin-Yi, Tsai, Deputy Commissioner, Department of Environmental Protection





Dr. Nancy Vandycke, Founder and Head of Sustainable Mobility for All and Economic Advisor of the Transport Global Practice, World Bank





Teresa Fogelberg, Deputy Chief Executive, Global Reporting Initiative, The Netherlands





Toru Abe, Chief Executive Officer, Sekisui House, Japan









Westport

"The insights from the industry leaders and government leaders that are here are well worth the attendance."

Karen Hamberg, Vice President, Industry & Government Relations, Westport Fuel Systems

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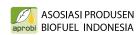
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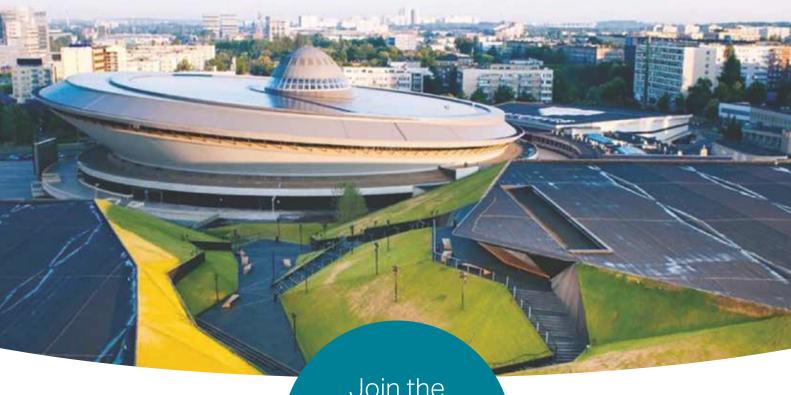












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