2021 年亞太國家青年環境教育培訓課程簡章

【永續理念・臺灣經驗・世界實踐】

Empowering Youth for Sustainable Development

一、 活動目的

為秉持全球視野、在地行動之精神，並深化我國在亞太地區環境教育推動之領導角色，特辦理本培訓課程。希冀呼應聯合國永續發展目標（SDGs），以臺灣為出發點，瞭解在地環境問題與全球所面臨的各項環境威脅，進而啟發解決環境問題的能力與行動。

本課程為延續 2020 年國際議題環境教育工作坊之效益，於 2021 年持續辦理，並以「海洋廢棄物」議題作為課程主軸。活動參與對象則以在我國求學之外國學生為主，本國對環境教育有興趣之大專院校學生及環境教育領域從業人員為輔。期藉此連結臺灣本土教育或研究人員與在臺就學之國際青年人才，讓國際人士瞭解臺灣在面臨海洋廢棄物議題時的行動經驗、解決策略及可行方案，以做為其他國家處理環境議題時的參考案例，擴大臺灣的影響力，促進國際合作。

二、 辦理單位

主辦單位：行政院環境保護署

承辦單位：全球環境教育夥伴亞太中心（GEEP APRC, 由中華民國環境教育學會營運）、環境友善種子有限公司

三、 活動梯次及日期

共辦理 2 梯次，每梯次共 2 天 1 夜，時間如下：

（一） 第1梯次：2021年6月27日（日）至6月28日（一）

（二） 第2梯次：2021年9月11日（六）至9月12日（日）

四、 活動地點

（一） 課程及戶外學習：基隆和平島公園（基隆市中正區平一路360號）。

（二） 課程：基隆長榮桂冠酒店、彭園基隆館（基隆市中正區中正路62之1號）

五、 活動對象及資格

以在我國求學之**亞太地區外國學生為主，其他國家及本國對環境教育有興趣之學生及環境教育領域從業人員為輔**；並以未參加過 2020 年國際議題環境教育工作坊者優先。主辦單位將於報名後審核報名者資格，並篩選錄取。

（一） 依教育部「外國學生來臺就學辦法」規定於我國大專校院在學之外國學生。

（二） 行政院環境保護署第一屆環保青年領袖入圍者、環境相關系所或對環境教育領域有興趣之我國大專校院學生（含碩、博士生），須提供英文檢定文件佐證英文外語能力。

（三） 我國環境教育領域從業人員，須提供英文檢定文件佐證英文外語能力。

六、 活動人數

每梯次預計錄取外國學生 30 名、本國參與者 6 名，視報名情況可候補錄取。每人僅能擇 1 梯次參加。

七、 報名方式及時間

（一） 採網路報名（網址：https://reurl.cc/5oQgY6）

（二） 自2021年5月5日(星期三)開始報名至5月25日(星期二）止，預計於6月3日（星期四）公布錄取名單。

八、 活動費用

活動期間之課程、餐點、住宿（2 人 1 房）、接駁等費用由承辦單位支應，惟參加者至接駁集合地點之交通及住宿費用請自理。

九、 注意事項

（一） 課程資源有限，錄取者如不克出席，請務必於開課前7日以電話通知承辦單位聯絡人，以利候補名單遞補程序。

（二） 承辦單位遵守個人資料保護法規定，保障報名者個人資料安全責任，在符合蒐集之特定目的下處理及利用個人資料。並依中央疫情指揮中心公告之「實聯制措施指引」使用。

（三） 參加者同意主辦單位全程拍攝活動紀錄影片及照片，並同意主辦單位後續為教育推廣及行銷之目的，得將前述影（照）片於世界各地公開播送、公開上映、公開傳輸及使用於報章雜誌、網站、展間或任何形式媒體上。如有不同意者，請勿參與本活動。

（四） 工作坊期間備有餐點，請於報名時註明飲食需求（葷食、素食、食物過敏原等），並自備環保杯、環保餐具。

（五） 住宿旅店僅提供毛巾，不提供一次性用品，請自備盥洗用品（牙膏、牙刷、沐浴乳、洗髮乳、拖鞋等）。

（六） 為確保活動品質並響應節能減碳，請參加者儘量於集合地點一同搭乘接駁車。

（七） 因應新冠肺炎疫情之防疫措施，敬請配合下列事項：

1. 活動入口處將設專人量測體溫，進入會場人員額溫如高於攝氏37.5度，將拒絕入場並勸導就醫。
2. 承辦單位將設置酒精消毒用品及清潔防護用品供使用。

3. 參與會議期間請全程保持社交距離或配戴口罩。

4. 倘若14天內有類流感症狀：發燒（≧37.5℃）、咳嗽、喉嚨痛、呼吸道窘迫、流鼻水、肌肉或關節酸痛、頭痛等，請勿參加。

十、 活動聯絡資訊

（一） 行政院環境保護署

02-2311-7722，郭怡欣小姐分機2726、ihkuo@epa.gov.tw

（二） 中華民國環境教育學會

04-2218-3545，陳志豪先生、王凱民先生

諮詢信箱：geep.asia@gmail.com

十一、　課程目標及流程

課程以「啟發、創造、實踐」出發，增進學員對臺灣環境教育與環境行動現況的認識，並將臺灣經驗轉化運用，嘗試釐清家鄉在地環境問題為核心目的。

設計兼具環境教育相關理論與實務、學習與體驗、分享與實作的課程內容，透過由淺入深的概念鋪陳，引導學員瞭解現況、思考觀點、蒐集臺灣環境行動案例、分享交流、夥伴回饋等。面對自己國家在地的環境議題，能夠儲備內在能量，運用臺灣環境教育與行動經驗，種下環境行動的種子。

五大核心目標

（一） 瞭解近年亞太地區與臺灣重要的環境議題

（二） 認識亞太地區與臺灣推動環境教育的概況

（三） 探討臺灣環境行動的創新策略

（四） 參考臺灣在地環境行動方案，分享可在家鄉運用的作法

（五） 體驗臺灣環境教育場域/社區環保行動的課程方案

第 1 天課程表（第 1 梯：6 月 27 日、第 2 梯：9 月 11 日）

時間	主題		講師/團隊	議題與概念	地點
09:00	南港高鐵站集合接駁		環教學會/中教大		南港高鐵站
09:30-10:00	報到		環教學會/中教大		和平島教室
10:00-10:30	開場致詞		環保署、北美環境教育學會執行長 Judy Braus 女士、GEEP 亞太中心代表		
10:30-11:00	啟發	【暖身活動】Hi！我的夥伴	友種團隊	夥伴交流互動，創造學習動機，強化學習動能	
11:00-12:00	啟發	【專題講座】GEEP APRC 臺灣在國際環境教育夥伴關係中的角色	臺灣師範大學環境教育研究所張子超教授	GEEP APRC 全球環境教育夥伴亞太中心經驗分享	
12:00-13:00	午餐				
13:00-14:30	實踐	【實地造訪】拾起海漂，找尋源頭	友種團隊	至海灘上實際參與淨灘課程，讓參與者直接體驗，了解海廢的現況	和平島戶外
14:30-14:40	休息				
14:40-15:10	實踐	【環教課程體驗】和平島海廢課程體驗	友種團隊	透過參與、觀察、反思、討論的課程設計，進一步了解臺灣對於海廢環境教育的努力	和平島戶外
15:10-16:30	實踐	【環教課程體驗】將少塑變多數	海湧工作室陳人平創辦人	海湧工作室以社會企業營運方式推行環境教育，期待促進海洋的環境問題能被有效降低或解決	和平島教室
16:30-17:10	實踐	【環教課程體驗】海玻璃 DIY	友種團隊	海玻璃是玻璃廢棄物在大自然侵蝕下變成圓滑的玻璃碎片，將廢棄物改造成屬於自己的海玻璃吊飾	

時間	主題		講師/團隊	議題與概念	地點
17:10-17:30	創造	【學習收斂】 透過討論，收斂今日所學所見	友種團隊	透過討論及反思，共同收斂課程第 1 日所學，作為第 2 日課程創造發想的準備	
17:30-18:20	車程、飯店入住		環教學會/中教大		
18:20-20:00	晚餐 (環保夜市-基隆廟口)		環教學會/中教大		基隆廟口
20:20-21:10	創造	【交流之夜】	友種團隊	分享彼此環境觀點與家鄉環境議題	長榮酒店

第 2 天課程表（第 1 梯：6 月 28 日、第 2 梯：9 月 12 日）

時間	主題		講師團隊	議題與概念	地點
08:00-08:20	報到				彭園基隆館
08:20-08:40	啟發	【暖身活動】 Do！一起熱身	友種團隊	針對目標，共同合作動手創造、設計以完成任務	
08:40-10:10	實踐	【專題演講】 以企業力量守護海洋	光寶科技 王彥龍資深專員	透過「企業內部志工系統」「海廢循環經濟」「蘭嶼海龜復育」3 項主軸工作展開企業守護海洋的工作	
10:10-11:10	實踐	【專題演講】 減塑及資源循環	環保署 1.廢管處 王耀晟科長 2.回收基管會 顏旭明參事兼執行秘書	臺灣政府如何透過法令管制、經濟誘因及創新循環商業模式達成減塑及資源循環，從源頭減少海洋垃圾污染	
11:10-12:40	創造	【世界咖啡館】 海廢在各國的狀態分享及問題面向討論	友種團隊 環教學會 中教大	以世界咖啡館的形式深入討論海廢的問題面向	
12:40-13:30	午餐				
13:30-14:00	結訓典禮				
14:00	賦歸（解散地點：基隆火車站/轉運站）				

十二、 課程說明

（一） GEEP APRC 臺灣在國際環境教育夥伴關係中的角色

全球環境教育合作夥伴(GEEP)是由美國環境保護署、臺灣環境保護署和北美環境教育協會於 2014 年發起。GEEP 致力於在全球推動環境教育，希望透過教育的力量創造更公平、更永續的未來，讓人與自然可以共生共榮。

（二） 實地造訪/環教課程體驗：拾起海漂，找尋源頭

和平島位於基隆的東北方，有著鬼斧神工的美麗海岸線，但也因東北季風的影響，造成許多海漂垃圾擱淺在這片海岸線上。海洋廢棄物已成為全人類共同面對的議題，課程透過簡報、遊戲體驗、海玻璃 DIY 及 ICC 系統性海廢分類了解海洋廢棄物的問題，並將所學從生活中實際落實。

基隆和平島淨灘	海廢從哪裡來

（三） 環教課程體驗：將少塑變多數

海湧工作室於 2017 年成立，由陳人平、郭芙、林佩瑜及趙毅紘共同創辦，以守護海洋為宗旨，減少海洋廢棄物對海洋的危害。目標是希望源頭減量成為主流意識。唯有人們明白生活與環境問題的關聯，願意珍惜資源才是整個地球生態能永續共存的解方。

（四） 專題演講：以企業力量守護海洋

光寶科技創立於 1975 年，為全球光電元件及電子關鍵模具之製造廠商。2018 年成立「企業永續發展委員會」，依循聯合國永續發展目標第 14 項－保育及永續利用海洋資源（Life below water），

發起「SEA HOPE 看到海洋的希望」專案，關注離島海廢議題，將海廢保麗龍回收再製為再生塑料重回產品製程中，製成環保鍵盤滑鼠，將企業永續及循環經濟的概念確實地實踐。

（五） 專題演講：減塑及資源循環

環保署自 2002 年推動限塑政策，針對一次用物品，在有替代品的情形下，用法令限制使用，並務實針對難以執行情形，訂定排除條款。藉由法令引導，以循序漸進方式推動，讓販賣業者配合政策逐步改變營業模式、民間企業發展替代材質技術或新型消費模式、民眾調整消費習慣。

於 2020 年更與 7 個離島及臨海縣市環保局合作淨灘，並結合民間紡織業者，開發出原料高達 96%海廢寶特瓶製成的「潯寶衣」，成為海洋循環產品。環保署持續透過「海洋廢棄物高質化循環利用示範推廣計畫」模式，規劃建立全球首個「海洋資源物循環標章」認證制度，未來國內外企業都能依據此認證，採購符合嚴謹作業標準的海廢原料，促成資源循環。

十三、 外聘講師簡介

課程名稱	姓名/職稱	單位	專長
GEEP APRC 臺灣在國際環境教育夥伴關係中的角色	張子超 教授	臺灣師範大學 環境教育研究所	環境價值觀與環境典範轉移、環境教育與教育改革、永續發展理念內涵與課程發展、環境教育互動式學習理論與網站規劃
將少塑變多數	陳人平 執行長	海湧工作室	海洋環境教育、海廢相關議題推動倡議、社會企業創立
以企業力量守護海洋	王彥龍 資深專員	光寶科技	光寶科技企業永續發展委員會策劃執行

十四、 交通資訊及位置圖

（一） 專車接駁

於高鐵南港站（南港站為高鐵及臺鐵共構，並連通臺北捷運南港站）安排活動接駁車。實際接駁地點與出發時間，將統一於錄取通知信件中說明。

（二） 大眾交通工具（自行前往）

1、 基隆市公車

於臺北車站（高鐵、臺鐵、客運）-轉搭臺鐵至臺鐵基隆站下-轉搭基隆市公車(101 路)至和平島公園站下。

2、 台灣好行：濱海奇基線

搭高鐵至臺北站下-轉搭臺鐵至臺鐵基隆站下-轉搭台灣好行（濱海奇基線）至和平島公園站下。

（基隆和平島公園：基隆市中正區平一路 360 號）

2021 International Environmental Issues and Education Workshop

【Sustainability • Taiwan's Experience • Global Practice】

Empowering Youth for Sustainable Development

I. Purpose of the Program

The 2-day training program aims to uphold the principle of global vision and local action as well as strengthen Taiwan's role at the forefront of environmental education in the Asia-Pacific region. Aligned with the United Nation's Sustainable Development Goals (UNSDGs), the program serves as a starting point to understand various environmental problems and threats faced locally and globally, and seeks to inspire potential solutions for environmental problems.

In line with the spirit of the 2020 International Environmental Issues and Education Workshop（IEIE）, the theme for this year's program is Marine Debris. Participants of the program will be comprised mostly of foreign students currently studying in Taiwan, followed by local university students who are interested in environmental education and lastly, practitioners in the field of environmental education. Local educators and researchers in Taiwan and international students studying in Taiwan can connect with each other, allowing the former to be able to help the latter understand Taiwan's experience, courses of action, solutions, strategies and feasibility measures when facing issues related to marine debris, all of which can serve as points of reference for other countries in dealing with environmental issues, help expand Taiwan's influence, and facilitate international cooperation.

II. Organizers

- Organized by the Environmental Protection Administration, Executive Yuan (Taiwan EPA)
- Implemented by the Global Environmental Education Partnership Asia-Pacific Regional Center (GEEP APRC, operate by Chinese Society for Environmental Education), Friendly Seeds Co., Ltd

III. Program Classes

There are 2 classes, each lasting 2 days. The schedule is as follows:

- Class A: June 27 (Sunday) to June 28 (Monday) 2021
- Class B: September 11 (Saturday) to September 12 (Sunday) 2021

IV. Venue

- Lectures and outdoor learning: Heping Island Park in Keelung (No.360, Ping 1st Rd., Jhongjheng Dist., Keelung City, Taiwan).
- Lectures: Evergreen Laurel Hotel (Keelung), PENG YUAN Keelung (No.62-1, Jhongjheng Rd., Jhongjheng Dist., Keelung City, Taiwan)

V. Participants and qualifications

Foreign students mainly from the Asia-Pacific region or other countries currently studying in Taiwan, local university students interested in environmental education, and practitioners in the field of environmental education. The organizer will review the qualifications of the applicants and admission.

- International tertiary or university students who study in Taiwan in accordance with the provisions under the Ministry of Education's "Regulations Regarding International Students Undertaking Studies in Taiwan."
- Nominees of the First Environmental Protection Youth Leaders Taiwan EPA, or local university students (including graduate students) who are major in environmental departments, or interested in the field of environmental education, will be selected for admission based on their English proficiency (relevant documentary evidence must be submitted)..
- Local environmental education practitioners will be selected for admission based on their English proficiency (relevant documentary evidence must be submitted).
- Priority will be given to students who did not participate in the 2020 International Workshop on Environmental Issues and Education.

VI. Number of Participants

An estimated 30 international students and 6 local participants will be admitted to each session. Alternative admissions are available depending on the situation. Each person may only participate in one class.

VII. Registration and Deadline

- Register online at https://reurl.cc/5oQgY6
- Registration starts on May 5 (Wednesday) and ends on May 25, 2021 (Tuesday). The list of admitted participants will be announced on June 3 (Thursday).

VIII. Expenses

The lectures, meals, accommodation (2-person rooms), shuttle service and other expenses during the entirety of the program shall be assumed by the organizer. Participants shall be responsible for their own transportation to the shuttle pick-up point and any accommodation prior to arriving at the pick-up point.

IX. Reminders:

- Program resources are limited. If admitted participants are unable to attend the program, they are expected to call the contact person assigned by the organizer 7 days prior to the start of the program to notify them of their cancellation. This will give people on the waiting list a chance to participate.
- The organizer abides by the provisions of the Personal Data Protection Act to guarantee the applicants' personal data security, and will only process and use the applicants' personal data in accordance with the specific purpose of their collection. The organizer will also use the data in accordance with the "Guidelines for Contact Tracing Measures" announced by the Central Epidemic Command Center.
- Participants agree to allow the organizer to document, film and photograph the entire event, as well as allow the organizer to broadcast, publicize, transmit and use the aforementioned recorded material in publications, websites, exhibition booths or any other forms of media for the purposes of educational promotion and marketing. Please do not participate in the program if you do not permit your likeness to be captured and publicized.
- Free meals are provided during the entirety of the program. Dietary requirements (meat, vegetarian, food allergies, etc.) must be indicated upon registering for the program. Participants are required to bring their own eco-friendly drinking cups and cutlery.
- The hotel only provides fresh towels and no other disposable items. Participants should bring their own toiletries (toothpaste, toothbrush, shower gel, shampoo, slippers, etc.).
- Participants are requested to take the shuttle bus together at the assembly point to ensure the quality of the event, save energy and reduce carbon emissions.
- Participants are requested to cooperate with the following measures against COVID-19:
    - There will be a dedicated person at the entrance of the venues to take the participants' body temperatures. Anyone with a forehead temperature of over 37.5 degrees Celsius will be refused entry and advised to seek medical attention.
    - Free alcohol-based disinfectants, cleaning and protection supplies will be provided by the organizer.

- It’s mandatory to keep a safe social distance and wear a mask during the entire course of the program.
- Participants who have flu-like symptoms within 14 days prior to the beginning of the program: fever (≧37.5°C), cough, sore throat, respiratory distress, runny nose, muscle or joint ache, headache, etc., shall not be allowed to participate.

X. Contact Information

- Environmental Protection Administration, Executive Yuan
  - Phone: 02-2311-7722, ext. 2726 (ask for Ms. Kuo)
  - Email: ihkuo@epa.gov.tw
- Chinese Society for Environmental Education
  - Phone: 04-2218-3545 (ask for Mr. Chen or Mr. Wang)
  - Email: geep.asia@gmail.com

XI. Program Objectives and Processes

The program is based on the principles of *inspiration*, *creation*, and *practice* to further students' understanding of the current state of environmental education and environmental action in Taiwan. It aims to transform and apply Taiwan's experience to help identify local environmental problems in the participants' home countries.

The curriculum combines environmental education-related theories and practices, learning and experience, sharing and hands-on practice through simple ideas to deepen conceptualizations. It's designed to guide participants in understanding the current situation, deliberate multiple viewpoints, study cases on Taiwan's environmental action, share and exchange and get feedback from teammates. Faced with their local environmental issues in their own countries, the participants can gather their insights and utilize Taiwan's experience in environmental education and action to plant seeds of environmental action.

Five Core Goals

1. Understand the important environmental issues in Taiwan and the Asia-Pacific region in recent years
2. Understand the general state of environmental education promotion issues in Taiwan and the Asia-Pacific region
3. Explore Taiwan's innovative strategies for its environmental actions
4. Refer to Taiwan's local environmental action plans and share practices that can be applied in the participants' home countries
5. Experience the action plan of Taiwan's environmental education field/community-based environmental movements.

Figure 1: **Inspire 啟發**

To strengthen a sense of self-efficacy, internal control, focus and action.

Figure 2: **Practice 實踐**

To learn from Taiwan's experience hands-on

Figure 3 : **Create 創造**

To transform knowledge into environmental action.

1st Day Course Schedule (Class A: June 27 / Class B: September 11)

Time	Theme		Speaker/s	Issues Tackled	Location
09:00	Gather at the assembly point at Nangang Station (HSR) to take the shuttle to the venue.		GEEP APRC,NTCU		HSR Nangang Station
09:30-10:00	Check-in		GEEP APRC,NTCU		Heping Island (Classroom)
10:00-10:30	Opening Remarks		Representative from Taiwan EPA Judy Braus, Executive Director at NAAEE (North American Association for Environmental Education) Representative from GEEP APRC		
10:30-11:00	Inspire	**Ice breaker** Hey, team!	Friendly Seeds	Get to know teammates to motivate and encourage each other to learn	
11:00-12:00	Inspire	**Keynote speech** Taiwan's role in GEEP APRC	Graduate Institute of Environmental Education at NTNU/ Professor Chang Tzu-Chao	Experience Sharing in GEEP APRC	
12:00-13:00	Lunch Break				
13:00-14:30	Practice	**Field work** Pick up marine debris and trace their origins	Friendly Seeds	Participate in a hands-on beach clean-up activity for participants to experience first-hand and understand the current state of marine debris.	Heping Island (Outdoors)
14:30-14:40	Break Time				
14:40-15:10	Practice	**Experiential Environmental Class** The Heping Island Marine Debris Experience	Friendly Seeds	To further understand Taiwan's efforts in environmental education of marine debris through a discussion the curriculum, participation, observation, and introspection.	Heping Island (Outdoors)
15:10-16:30	Practice	**Experiential Environmental Class** Make reducing plastic mainstream	Hiin Studio/ Chief Executive Officer Chen Ren-Ping	Hiin Studio promotes environmental education through the operation of social enterprises, hoping to effectively mitigate or solve environmental problems in the ocean	Heping Island (Classroom)
16:30-17:10	Practice	**Experiential Environmental Class** DIY Sea Glass	Friendly Seeds	Glass waste is turned into sleek glass fragments through erosion and becomes sea glass. Transform glass waste into a sea glass pendant.	
17:10-17:30	Create	**Convergence** Put together what was learned today through a thorough discussion	Friendly Seeds	Through discussion and introspection, put together what was learned on the first day of the program and use it as ideas for the next day.	
17:30-18:20	On the road / hotel check-in		GEEP APRC,NTCU		
18:20-20:00	Dinner (Green Night Market - Keelung Miaokou Night Market)		GEEP APRC,NTCU		Keelung - Miaokou Night Market

Time	Theme		Speaker/s	Issues Tackled	Location
20:20-21:10	Create	**Social Night**	Friendly Seeds	Share participants' environmental viewpoints and environmental issues back in their home countries	Evergreen Laurel Hotel Keelung

2nd Day Course Schedule (Class A: June 28, Class B: September 12)

Time	Theme		Speaker/s	Issues Tackled	Location
08:00-08:20	Check-in				Keelung – Pengyuan
08:20-08:40	Inspire	**Warm Up** Time to boost your energy!	Friendly Seeds	Work together to create and design objectives to complete the task	
08:40-10:10	Practice	**Keynote speech** Guard the ocean with corporate power	Senior Specialist of LITE-ON Technology Corporation Lyro Wang	Discuss the corporation's mission to protect the ocean through 3 main tasks: "Internal Volunteer System," "Marine Debris Circular Economy," and "Sea Turtle Rehabilitation on Orchid Island."	
10:20-11:10	Practice	**Keynote speech** Plastic reduction and resource recycling	Wang Yao-Cheng, Section Chief of Department of Waste Management Office, Taiwan EPA Yen Hsu-Ming Counselor /Executive Director of Recycling Fund Management Board, Taiwan EPA	How does the Taiwan government utilize policymaking to respond to the issue of marine plastic waste?	
11:10-12:40	Create	**The World Café** Share the status of marine debris in various countries through a problem-oriented discussion	Friendly Seeds / GEEP APRC / NTCU	In-depth discussion of marine debris problem following the format of *The World Café*	
12:40-13:30	Lunch break				
13:30-14:00	Program completion ceremony				
14:00	Return Home (Drop off point: Keelung Train Station / Transfer Station)				

XII. Program Description

1. Taiwan's Role in GEEP APRC

The Global Environmental Education Partnership (GEEP) was founded in 2014 by the U.S. Environmental Protection Agency, Taiwan Environmental Protection Administration, and the North American Association for Environmental Education. GEEP is committed to promoting environmental education globally through the

power of education, hoping to create a fairer and more sustainable future through its lectures, allowing people and nature to coexist and prosper.

2. Field work/Experiential Environmental Class: Pick up marine debris and trace their origins

Heping Island is located northeast of Keelung and has an extraordinary coastline. However, a lot of marine debris, now a common issue faced by humankind, has been washed up on the shore due to the northeast monsoon. This class helps participants understand the problem through presentations, games, a DIY sea glass workshop and ICC systematic marine debris classification in order to apply the new knowledge in their daily lives.

Keelung Heping Island Beach Cleanup	The waste comes from many places: South Korea, Malaysia, Vietnam, Indonesia, Japan, the Philippines, China, and Taiwan

3. Experiential Environmental Class: Make reducing plastic mainstream

Hiin Studio was established in 2017 and co-founded by Chen Jen-Ping, Kuo Fu, Lin Pei-Yu and Chao Yi-Hung, with the purpose of protecting the ocean and mitigating the harm done by marine debris to the ocean. Their goal is to reduce pollutants at the source. Only those who understand how life and environmental issues are linked and who appreciate natural resources can contribute to the sustainable coexistence of the entire planet's ecology.

4. Keynote speech: Guard the ocean with corporate power

Established in 1975, LITEON Technology is a global manufacturer of optoelectronic components and electronic key molds. In 2018, the “Corporate Sustainability Development Committee” was formed and began complying with the 14th goal of the United Nations’ Sustainable Development Goal—conserving and using ocean, sea and marine resources sustainably (Life below water)—and initiated the “SEA HOPE” project to put the spotlight on the issue of marine debris on Taiwan’s outlying islands. Part of the project recycles marine debris Styrofoam by turning it into plastic, thus

returning it back to the start of the production process to make environmentally friendly keyboards and mice—a meaningful showcase of corporate sustainability and circular economy.

5. Keynote speech: Plastic reduction and resource recycling

The EPA rolled out a roadmap for phasing out disposable plastic in 2002, restricting the use of single-use items with available alternatives. Exclusion clauses are also in place when enforcement is not feasible. A gradual approach was taken to allow vendors to adapt to the new norms and change their business model. Private businesses also develop alternative technologies and new consumption models while the general public change their spending habits.

In 2020, the EPA worked with environmental protection bureaus of seven outlying islands and coastal counties to clean up their beaches, and collaborated with the private textile industry to develop "recycling clothes," a circular product in which waste marine PET bottles account for 96% of the material. Moreover, the EPA has established the world's first "Marine Resources Recycling Label" through the "Marine Waste High Circular Utilization Promotion Program" model. In the foreseeable future, businesses from Taiwan and other countries can procure marine waste materials conforming to stringent operational standards based on this certification, thus promoting the recycling of resources.

XIII. Speaker Profiles

Lecture / Speech	Name and Title	Organization	Specialization
Taiwan's Role in GEEP APRC	Professor Chang Tzu-Chao	Graduate Institute of Environmental Education at NTNU	Environmental values and environmental paradigm shifts, environmental education and education reform, sustainable development conceptualization and curriculum development, environmental education interactive learning theory and website planning.
Plastic Reduction and Resource Recycling	Chief Executive Officer (CEO) Chen Ren-Ping	Hiin Studio	Marine environmental education, promotion of marine debris-related issues, and creation of social enterprises.
Guard the Ocean with Corporate Power	Senior Specialist Lyro Wang	LITE-ON Technology Corporation	Planning and execution conducted by LITE-ON Technology Enterprise's Sustainable Development Committee.

XIV. Transportation Information and Locality Map

- By Charter Shuttle Service

There will be a shuttle bus at the HSR Nangang Station. (Nangang Station houses both the TRA and HSR lines and is connected to the Nangang Taipei MRT station).

The actual pick-up location and departure time will be announced in the letter of admission.

- By Public Transportation

1. The easy route

Take the HSR to Taipei Main Station → Transfer to Taiwan Railway (TRA) to Keelung Station → Transfer to Keelung City Bus (Number 101) → Get off at Heping Island Park Station.

2. The scenic route

Take the HSR to Taipei Main Station → Transfer to Taiwan Railway (TRA) to Keelung Station → Transfer to Taiwan Tourist Shuttle (Route T99: Coastal Keelung Shuttle Bus) → Get off at Heping Island Park Station.

(Keelung's Heping Island Park: No.360, Ping 1st Rd., Jhongjheng Dist., Keelung City 202009, Taiwan)