

THE 填報的問題	架構	項目	說明	回覆資料彙整
14.2.1 - Does your university as a body offer educational programmes on freshwater ecosystems (water irrigation practices, water management/conservation) for local or national communities?	SDG14 海洋生態	淡水生態系統(社區服務)	為當地或國家社區提供淡水生態系統(灌溉實踐、水管理/保護)教育方案	● 質化資料 ● free 1. 本校環境教育及永續發展中心於今年 109 年 7-8 月辦理「109 年苗栗縣環境教育志工增能培訓課程(120 小時)」，其中即有「土壤及地下水資源管理」、「環境資源管理方案規畫與教學實習」課程，講授水管理保護與水資源回收，參與訓練學員共 36 人次。 The Center of Environmental Education and Sustainable Development conducted the “2020 Miaoli County Environmental Education Volunteer Training Course (120 hours)”, including courses of Soil and Groundwater Resources Management” and “Environmental Resources Management and Teaching Practice”, which taught the participants about water management protection and water resources recovery. A total of 36 trainees participated in the training. 2. 環安系開設生態學；化工系開設綠色化工、高等綠色工程、環境化學特論；語傳系開設原住民文學；工設系開設畢業專題、高階產品設計，使了解當地或國家社區提供淡水生態系統。 Department of Safety, Health and Environmental Engineering offers Ecology; Department of Chemical Engineering offers Green Chemical Engineering, Advanced Green Engineering, and Special Topics to Environmental Chemistry; Institute of Hakka Language

				and Communication offers Taiwan Indigenous Literature; and Department of Industrial Design offers Advanced Product Design, so as to understand and protect the local or national freshwater ecosystem. ● 相關法規及佐證資料 國立聯合大學環境教育及永續發展中心 https://cee.404.csie.nuu.edu.tw/ https://www.facebook.com/groups/249127451929282/
14.2.2 - Does your university as a body offer educational programme / outreach for local or national communities on sustainable	SDG14 海洋生態	可持續漁業(社區服務)	就漁業、水產養殖和旅遊業的可持續管理為當地或國家社區提供教育專案或者外展服務	● 質化資料 NUU cooperates with local communities in environmental education/activity, including sustainable fishing, marine pollution prevention, and beach cleaning. ● 相關法規及佐證資料 https://she.nuu.edu.tw/p/406-1054-28698,r1062.php?Lang=zh-tw

managem nt of fisheries, aquacultur e and tourism?				
14.2.3 - D oes your university as a body offer educationa l outreach activities for local or national communiti es to raise awareness about overfishin g, illegal, unreported and unregulate	SDG14 海 洋生態	過度撈捕意識(社區服 務)	為當地或國家社區 提供教育外展服務 活動，以提高對過度 撈捕，非法、未報告 和無管制撈捕以及 破壞性撈捕做法的 意識	● 質化資料 free The Taiwan government and the Miaoli County government have imposed legal restrictions on overfishing, illegal, unreported and unregulated fishing, and destructive fishing. NUU has also included this in the environmental education. ● 相關法規及佐證資料 https://www.fa.gov.tw/cht/LawsGov/content.aspx?id=17&chk=3dc8e14f-7469-4c7d-9b29-c820496f4936&param=pn%3D1

d fishing and destructive fishing practices?				
14.3.1 - Does your university as a body support and/or organise events aimed to promote conservation and sustainable utilisation of the oceans, seas, lakes, rivers and	SDG14 海洋生態	保護和可持續利用海洋(活動)	支援或組織旨在促進海洋、湖泊、河流及海洋資源保護和可持續利用的活動	● 質化資料 ● Yes 1. 109 年 10 月 24 日環安系辦理白沙屯淨灘活動。 On October 24, 2020, the Department of Safety, Health and Environmental Engineering handled the beach cleaning activities in Baishatun, Miaoli. ● 相關法規及佐證資料 白沙屯淨灘活動 (系學會活動) 109/10/24 https://she.nuu.edu.tw/p/406-1054-28698,r1062.php?Lang=zh-tw

marine resources?				
14.3.2 - Does your university as a body have a policy to ensure that food on campus that comes from aquatic ecosystems is sustainably harvested?	SDG14 海洋生態	水生生態系統的食物(政策)	制定政策確保來自水生生態系統的校園食物以可持續的方式獲得	● 質化資料 No Under the policies of the Taiwan government and the Miaoli County government on marine restrictions on overfishing, illegal and unregulated fishing and destructive fishing, the food from the marine and terrestrial aquatic ecology of NUU is all food obtained in a sustainable way; therefore, NUU does not need to formulate relevant regulations.
14.3.3 - Does your university as a body work directly	SDG14 海洋生態	維護生態系統及其生物多樣性(直接措施)	直接致力於(研究和/或與公司合作)維護和擴展現有的生態系統及其生物多樣性(包括植物和動物，尤其是受到威脅	● 質化資料 Professors of the Department of Safety, Health & Environmental Engineering and Department of Civil Engineering, NUU (Professors of Kunsen Chang, Rueyfang Yu, Wenpo Cheng, Yuhshu Cheng, and Chengte Wang) are the members of the Miaoli County

(research and/or engagement with industries) to maintain and extend existing ecosystems and their biodiversity, of both plants and animals, especially ecosystems under threat?			的生態系統)	Environmental Impact Assessment (EIA) Deliberation Committee. They can directly give suggestions on the maintenance and extension of exiting ecosystems and their biodiversity of both plants and animals. ● 相關法規及佐證資料 https://www.mlepb.gov.tw/files/%E8%8B%97%E6%A0%97%E7%B8%A3%E6%94%BF%E5%BA%9C%E7%AC%AC%E5%8D%81%E4%BA%8C%E5%B1%86%E7%92%B0%E5%A2%83%E5%BD%B1%E9%9F%BF%E8%A9%95%E4%BC%B0%E5%AF%A9%E6%9F%A5%E5%A7%94%E5%93%A1%E5%90%8D%E5%96%AEnew01.pdf
14.3.4 - Does your university as a body work directly	SDG14 海洋生態	關於水生生態系統損害的預防技術(直接措施)	直接致力於(研究和/或與公司合作)使海洋工業能夠最大限度地減少或防止損害水生生態系統的技術或實踐	● 質化資料 Yes ● NUU had cooperated with the off-shore wind turbine company; therefore, Professors of the Department of Energy and Department

(research and/or engagement with industries) on technologies or practices that enable marine industry to minimise or prevent damage to aquatic ecosystems?				of Civil Engineering they can work directly on the marine engineering and minimize or prevent the damage to aquatic ecosystem, especially in construction process. ● 相關法規及佐證資料 https://www.chinatimes.com/realtimenews/20190226002721-260410?chdtv
14.5.1 - Does your university as a body have a plan to minimise	SDG14 海洋生態	將水生生態系統的變化最小化	將相關水生生態系統的物理、化學和生物變化降至最低的計畫	● 質化資料 ● Yes 1. 環安衛中心確保生活污水淨化處理及實驗室廢液回收，以嚴格的監測及檢驗，達到回收水水質標準，及未污染海洋。 The Environmental Protection, Safety and Health Center ensured the wastewater treatment of domestic sewage and the recycling of

physical, chemical and/or biological alterations of related aquatic ecosystems?				laboratory wastewater, through strict monitoring and inspection, to meet the quality standards of recycled water and prevent waterbody pollution. ● 相關法規及佐證資料 環安中心水質淨化場 https://epshcenter.nuu.edu.tw/p/405-1011-18340,c1201.php?Lang=zh-tw
14.5.3 - Does your university as a body develop and support programs and incentives that encourage and maintain good aquatic	SDG14 海洋生態	致力於良好水生管理實踐的項目	制定和支持鼓勵和保持良好水生管理實踐的專案和激勵措施	● 質化資料 ● on-going 1. 本校環安衛中心每月召集本校環安系水質專長教師、總務長，進行本校污水處理水質管理、再生水澆灌等檢討會議，確保良好水生管理及維護良好水質。 The Environmental Protection, Safety and Health Center invites professors of the Department of Safety, Health and Environmental Engineering with the water quality specialty and the Dean of General Affairs to convene review meetings monthly on the sewage treatment water quality management, reclaimed water irrigation, etc., and ensures good aquatic management and maintain good water quality. 2. 本校污水處理後之再生水幾乎 100%回用進行校內植物澆灌，故處理後無放流水對外排放，可維護良好之河川及海洋生態。 Almost 100% of the reclaimed water after sewage treatment is

stewardship practices?				reused for plant irrigation in the vegetation on campus. Therefore, no discharged water is discharged outside after treatment, which can maintain a good aquatic environment. ● 相關法規及佐證資料 https://drive.google.com/drive/folders/16EQwKW4k5b5QmXONe-Kk_QJqPZLZqY1?usp=sharing
14.5.4 - Does your university as a body collaborate with the local community, e.g. through partnerships, in efforts to maintain shared aquatic ecosystems?	SDG14 海洋生態	合作維護共享的水生生態系統	與當地社區合作，努力維護共用的水生生態系統	● 質化資料 ● Yes NUU professors (Rueyfang Yu, Wenpo Cheng, Yunru Ju, et c.) collaborates with Environment Protection Bureau of Miaoli County and volunteers in the efforts in maintain aquatic ecosystems. ● 相關法規及佐證資料 https://she.nuu.edu.tw/p/405-1054-7129,c2672.php?Lang=zh-tw https://she.nuu.edu.tw/p/405-1054-30253,c2673.php?Lang=zh-tw https://she.nuu.edu.tw/p/405-1054-7128,c2672.php?Lang=zh-tw

14.5.5 - Does your university as a body have implemented a watershed management strategy based on location specific diversity of aquatic species?	SDG14 海洋生態	流域管理策略	基於水生生物物種特定區域多樣性的流域管理策略 *流域管理：目的是與社會共同努力，在保護、改善、保持和恢復流域環境方面提供指引，以平衡我們的需要和自然環境的需要。 *案例見下方(不是針對大學的具體事例)： https://www.abca.ca/downloads/Watershed-Management-Strategy-2015-Web.pdf	● 質化資料 NUU professors (Wencheng Liu, Shiangjen Wu, etc.) implement watershed management strategy with Miaoli County Government. ● 相關法規及佐證資料 https://civil.nuu.edu.tw/p/404-1081-26171.php https://civil.nuu.edu.tw/p/405-1081-25910,c3611.php
14.4.1 - Does your university as a body have water quality standards	SDG14 海洋生態	排水指南和標準	制定水質標準和排水指南(為保護生態系統、野生動物、人類健康與福祉而維護水質)	● 質化資料 Yes 1. The wastewater treatment plant of this school was designed to treat the daily average sewage 670 m³, which can fully fit practical needs (2020: 43,294 m³/y). 2. Almost 100% of the reclaimed water after sewage treatment is

and guidelines for water discharges (to uphold water quality in order to protect ecosystems, wildlife, and human health and welfare, etc.)?				reused for plant irrigation in the vegetation on campus. Therefore, no discharged water is discharged outside after treatment, which can maintain a good aquatic environment. 3. The water quality of the reclaimed water after sewage treatment is as follows listed and stricter than the standards in Water Pollution Prevention and Control Law, BOD₅ ≤ 15 mg/L SS ≤ 10 mg/L COD ≤ 50 mg/L T-N ≤ 15 mg/L. ● 相關法規及佐證資料 環安中心水質淨化場 https://epshcenter.nuu.edu.tw/p/405-1011-18340,c1201.php?Lang=zh-tw						
14.4.2 - Does your university as a body have an action plan in place to reduce	SDG14 海洋生態	減少塑料垃圾的行動計劃	制定減少校園塑膠垃圾的有效的行動計畫	● 量化資料：<table><tr><td></td><td>2019</td><td>2020</td></tr><tr><td>General waste (t/y)</td><td>12,253</td><td>9,881</td></tr></table> ● 質化資料 ● Yes 1. 本校已配合政府推行減少塑膠使用，超商、餐廳不提供塑膠吸管、塑膠袋，辦公室宣導，垃圾及塑膠減量使用。 The school has cooperated with the government to reduce the use of plastic. Superstores and restaurants do not provide plastic		2019	2020	General waste (t/y)	12,253	9,881
	2019	2020								
General waste (t/y)	12,253	9,881								

plastic waste on campus?				straws and plastic bags. We also implemented the promotion of garbage and plastic reduction within the office. ● 相關法規及佐證資料 校園減少塑膠的超連結 https://enews.epa.gov.tw/Page/3B3C62C78849F32F/7902f445-f325-4ecf-92c8-6f2deb2c3400
Does your university as a body have a policy on preventing and reducing marine pollution of all kinds, in particular from land-based activities?	SDG14 海洋生態		監測水生生態系統的健康	No NUU is located on hillside, not near the ocean. The wastewater generated by NUU is treated by the sewage treatment plant and is completely recycled for campus plant irrigation and will not pollute the ocean. In addition, the garbage generated by NUU is treated by incineration and food waste is treated by composting. Without landfill treatment, so it also will not pollute the ocean.

Does your university as a body monitor the health of aquatic ecosystems?	SDG14 海洋生態			Yes The Environmental Protection, Safety and Health Center ensured the wastewater treatment of domestic sewage and the recycling of laboratory wastewater, through strict monitoring and inspection, to meet the quality standards of recycled water and prevent waterbody pollution. ● 相關法規及佐證資料 https://epshcenter.nyu.edu.tw/p/405-1011-18340,c1201.php?Lang=zh-tw
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