

Does your university have a carbon reduction target covering Scope 1 & 2 emissions by at least 2050? If not, please leave the evidence field blank

1 Short-Term Goals

- 1.1 Establish a carbon emissions baseline and monitoring system, complete a comprehensive carbon inventory, and provide data support for decision-making.
 - 1.2 Conduct on-campus energy audits to optimize building systems such as air conditioning and lighting, and implement energy-saving upgrades.
 - 1.3 Develop a campus-wide bicycle lane network and promote walking, cycling, and the use of public transportation for commuting.
 - 1.4 Promote research on marine energy and offshore wind power technologies, exploring innovative solutions with potential carbon reduction contributions.
 - 1.5 Initiate research on blue carbon technologies to investigate the carbon sequestration potential of marine ecosystems.
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2 Medium-Term Goals

- 2.1 Expand the use of renewable energy sources, including the installation of solar photovoltaic systems.
 - 2.2 Promote green building principles and smart campus technologies to enhance energy efficiency.
 - 2.3 Strengthen carbon literacy and public engagement to raise awareness of carbon reduction strategies.
 - 2.4 Integrate marine biology with carbon sequestration technologies to improve carbon storage capacity.
 - 2.5 Develop demonstration sites for the application of marine energy, supporting technological experimentation.
 - 2.6 Advance demonstration projects on blue carbon technologies, fostering innovation in ocean-based carbon sequestration.
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3 Long-Term Goals

- 3.1 Achieve net-zero carbon emissions through comprehensive emission reductions and full carbon offsetting.

- 3.2 Become a model campus for sustainable development, showcasing marine energy and green technologies.
 - 3.3 Establish a green innovation platform to foster interdisciplinary research and technological applications.
 - 3.4 Attain certification as a carbon-neutral or net-zero campus, demonstrating measurable decarbonization outcomes.
 - 3.5 Emerge as a global leader in blue carbon technology, advancing marine ecosystem restoration and sustainable utilization.
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Vision

The university is committed to pioneering innovations in marine energy, offshore wind power, and blue carbon technologies to achieve net-zero carbon emissions. It aims to play a pivotal role in global carbon reduction and environmental conservation efforts. The ultimate aspiration is to be internationally recognized as a model and leader in sustainable development, actively contributing to a more sustainable future.

您的大學是否有涵蓋到 2050 年之範圍 1 和 2 排放的碳減排目標？

1.短期目標

- (1)建立碳排放基準與監測系統，完成碳排放盤查並提供數據支持。
- (2)進行校內能源審計，優化建築物空調、照明等系統，實施節能升級。
- (3)建設自行車道網絡，推廣步行、騎行與公共交通工具通勤。
- (4)推動海洋能與離岸風電技術研究，探索減碳貢獻的前瞻技術。
- (5)開展藍碳技術研究，探索海洋生態系統碳吸收潛力。

2.中期目標

- (1)擴大可再生能源使用，例如安裝太陽光電設備。
- (2)推動綠色建築與智慧校園技術，優化能源使用。
- (3)增強碳排放教育與社會參與，提升減碳意識。

(4)推動海洋生物與碳吸收技術結合，改善碳儲存能力。

(5)發展海洋能源應用示範場域，開展技術實驗。

(6)推動藍碳技術示範，創新海洋碳吸收技術。

3.長期目標

(1)達成淨零碳排放，全面減少碳排放並實現完全抵消。

(2)成為永續發展示範校園，展示海洋能與綠能技術。

(3)建立綠色創新平台，推動跨領域技術研發與應用。

(4)獲得碳中和或淨零校園認證，展示減碳成就。

(5)成為全球藍碳技術領導者，推動海洋生態恢復與創新利用。

願景：

本校致力於海洋能、離岸風電及藍碳技術創新，實現淨零碳排放，並在全球減碳與環境保護領域發揮關鍵作用；期望成為國際公認的永續發展示範學校與領航者，為永續發展作出積極貢獻。