



From Campus to Community: Sustainability at NTNU

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NTNU profile

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- **History** : founded in 1922
- **Positioning** : A comprehensive university that integrates the interdisciplinary strengths
- **Fact** : Three campuses, 10 colleges, 834 faculty members, 16,808 students (13.4% are international-degree students).



Heping campus



Gongguan campus



Linkou campus

NTNU carbon neutral commitments

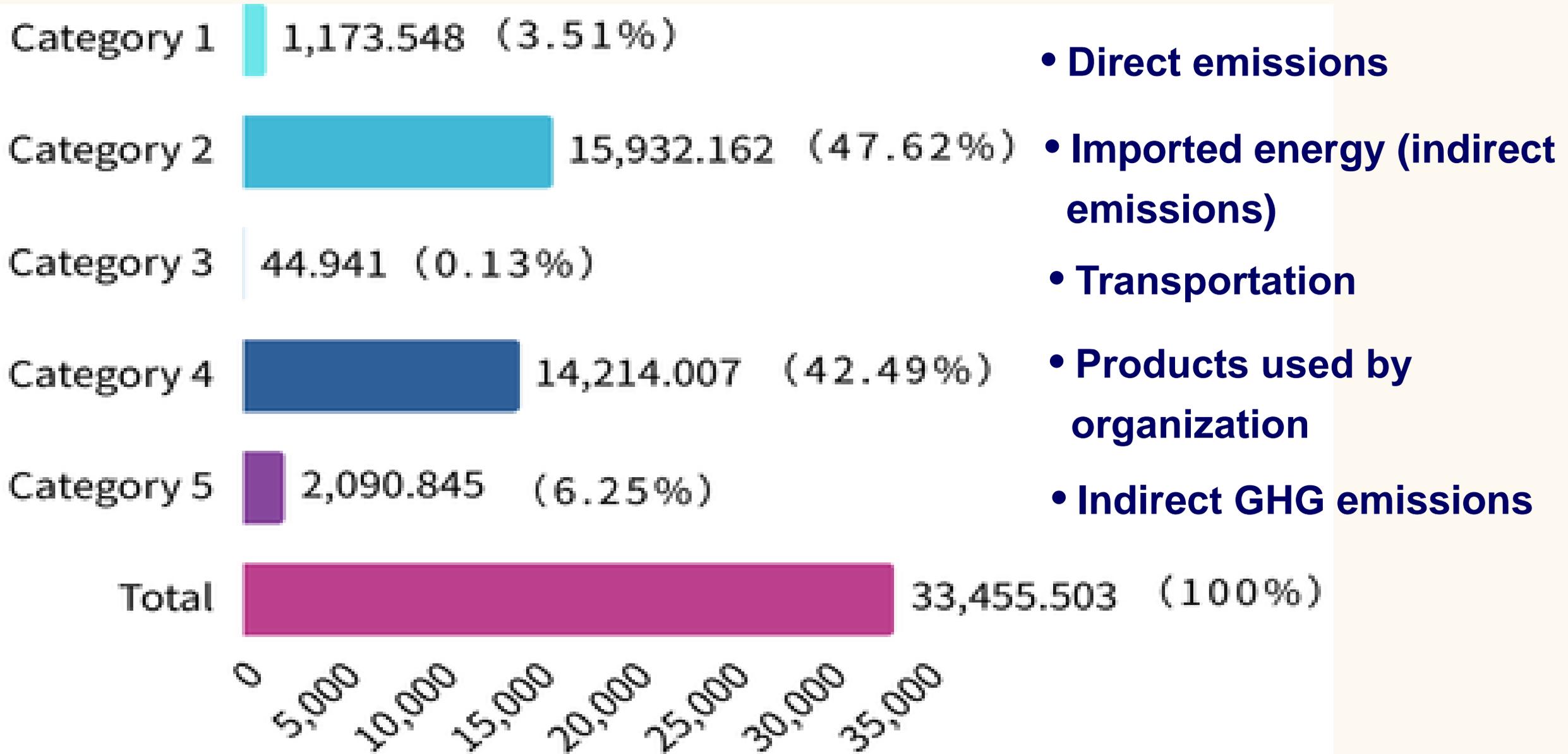
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- NTNU aims to reduce carbon emissions by **50% by 2030** and achieve **complete carbon neutrality by 2048** through net-zero green life, energy efficiency, low-carbon emission electricity, and green energy.



NTNU 2024 greenhouse gas inventory

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Energy Use

Improving energy efficiency and planning the installation of renewable energy facilities.



Policy Implementation

Implementing national green procurement policies and conducting comprehensive greenhouse gas inventories.



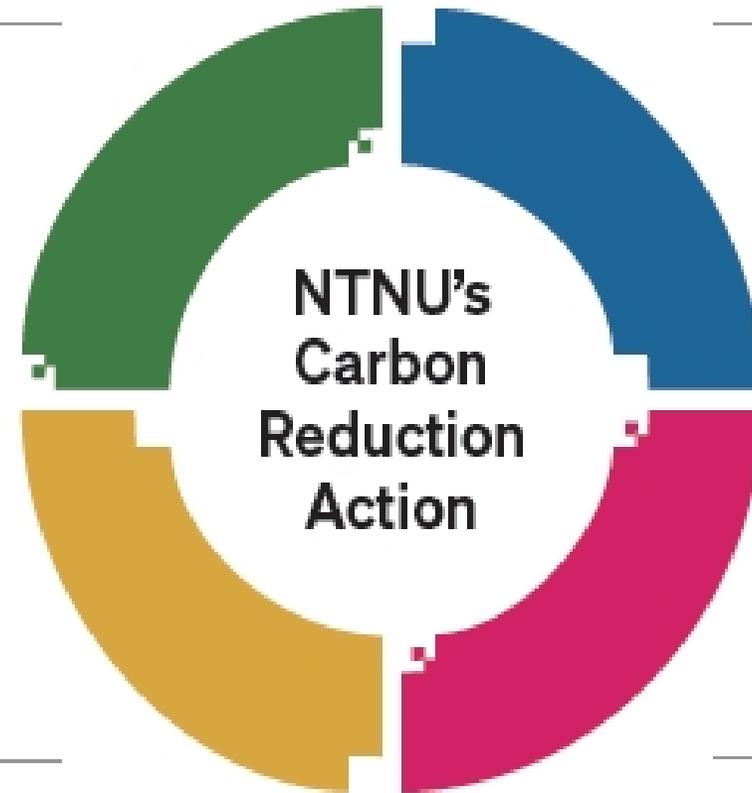
Research and Technological Application

Advancing research on energy technologies and behavioral change, and promoting the adoption of smart energy information systems.



Education and Advocacy

Enhancing sustainability education and literacy, and encouraging low-carbon behaviors as part of daily campus life.



Sustainability focused program

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- Graduate Institute of Sustainability Management and Environmental Education
- Graduate Institute of Green Energy and Sustainable Technology
- ESG Sustainable Management Inter-Disciplinary Program
- Northern Taiwan Net-Zero Green Talent Training Center (Ministry of Environment)

In 2025, a total of **567** participants completed the program.

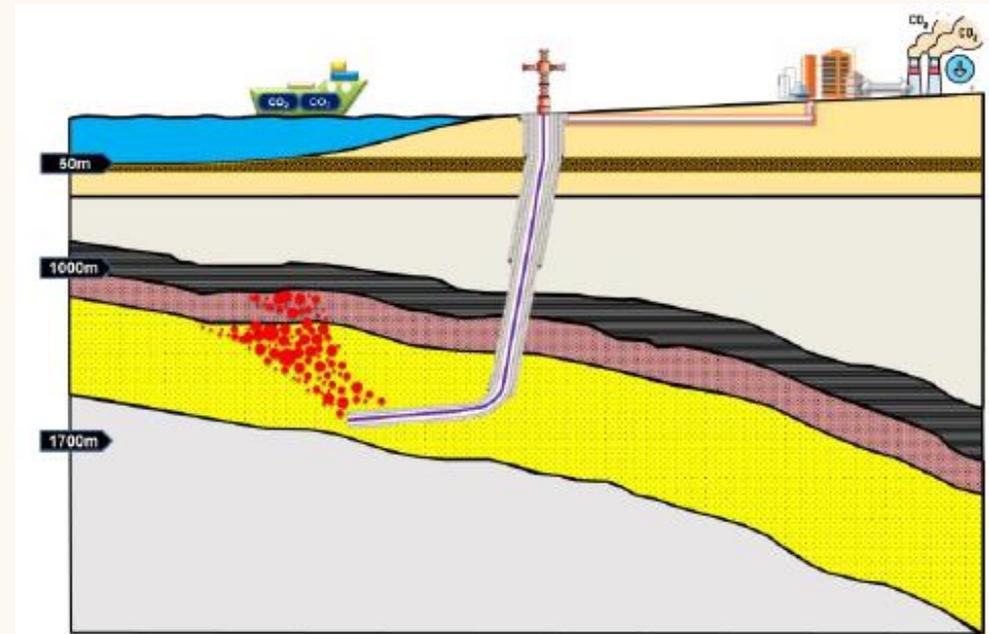
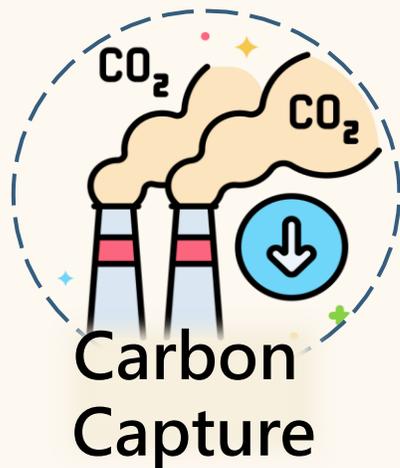




Net-zero emission research project

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- In April 2023, the Executive Yuan of Taiwan officially announced the Taiwan 2050 net-zero transition: **Carbon Capture, Utilization, and Storage (CCUS)** key strategic action plan.
- NTNU Prof. Tung-Yi Lee is coordinating the national carbon storage research project.



Low-carbon energy and transportation

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- Renewable energy : Setup the solar systems at three campuses.
- Results : From Aug. 2021 to Jun. 2024, electricity sales exceeds 1.02 million kW/h. We expect to achieve the **2030 target of 5% renewable energy**.
- Green commuting : Low-carbon electric vehicles for official use. U-bike route through the **University of Avenue**.

Each NTNU student has a **BMW**.



騎零王一 騎向淨零

★成果★

本校2025年度10至12月

騎乘Ubike公共自行車

共減碳2,472.1 kgCO₂e

NTNU sustainable development annual report 9/12





Community engagement

- **Lifelong learning** : Establish sustainability hubs for older adults, integrating health promotion with environmental education.
- **Rural education** : Promote a digital learning companion and AI to narrow the urban-rural gap in educational resources.
- **Social service** : Setup a community-based counseling service to provide free support for older adults.



NTNU future sustainable development

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Building a premier university in Asia with global stature and lasting impact.

Aligning academic outcomes with SDGs to fulfill USR.

Driving campus sustainability through smart integration and digital innovation.

Creating synergy between industry and society to redefine the future of education.