

Sustainability Matters

CAMPUS HAPPENINGS



Singapore Climate Ventures programme to nurture green technology innovators

NTU, NUS, and Temasek, with support from Breakthrough Energy, launched the Singapore Climate Ventures (SGCV) programme in August 2024. This 10-week programme offers Singapore-based participants from NTU and NUS access to global climate tech expertise. Upon completion, participants can apply for venture creation programmes such as the Breakthrough Energy Fellows-Southeast Asia (BE Fellows-SEA). The first SGCV cohort recently graduated with a demo day, where teams from NTU and NUS presented their innovative solutions, such as green hydrogen production and carbon capture technologies, to a panel of climate tech investors and experts.

Click [HERE](#) for more details.

EDUCATION



New academy for carbon management education

NTU Singapore, Enterprise Singapore, and the Singapore Economic Development Board have launched the Carbon Markets Academy of Singapore (CMAS) to upskill 300 professionals by 2027 in carbon services and trading. Announced by Deputy Prime Minister Gan Kim Yong at the Financial Times Commodities Asia Summit 2024, CMAS, EnterpriseSG, and EDB will partner with various NTU research centres, institutes and industry partners to offer continuing education and postgraduate programmes to equip professionals with capabilities for emerging roles in carbon markets. CMAS's first programme, the Executive Certificate in Carbon Markets, will be jointly delivered by NTU's [Nanyang Business School](#) and the [Asian School of the Environment](#).

Click [HERE](#) for more details.

RESEARCH HIGHLIGHTS



NTU Singapore scientists named among most influential researchers in the world

Thirty-six NTU Singapore researchers are recognized in Clarivate's 2024 Highly Cited Researchers list for their significant influence in various fields. NTU's scientists from this year's list focus on research in areas such as clean energy, AI, additive manufacturing, biomedical engineering, clinical medicine, materials science, and quantum technologies, with nearly three in five of them recognised for their interdisciplinary research. The full list of NTU scientists named by Clarivate as Highly Cited Researchers in 2024 can be found [here](#).

Click [HERE](#) for more details.



Advancing research collaboration in new energy and smart manufacturing technologies

NTU and Hyundai Motor Group have signed agreements to advance research collaboration in new energy and smart manufacturing technologies. The agreements were inked at the Singapore-Korea Business Forum on 8 October with the aim to develop alternative energy sources such as hydrogen production technologies and establish a tripartite corporate lab for innovative manufacturing domains including AI, robotics, and 3D printing. This partnership aims to foster a collaborative future mobility ecosystem in Singapore.

Click [HERE](#) for more details.



AI-powered innovation being developed to detect tree trunk decay

A team of scientists from NTU's [School of Electrical and Electronic Engineering](#) (EEE), with support from NParks, is developing a new AI-enabled innovation to detect cavities and decay inside tree trunks. A prototype has been built in NTU's labs. Using a radar to scan the trunk's interior with microwaves, the prototype processes data through advanced signal techniques and a deep learning model to analyse the data and identify defects in three to four minutes. This research is supported by the National Research Foundation and the Ministry of National Development under its Cities of Tomorrow R&D Programme.

Click [HERE](#) for more details.

OTHER EVENTS



Tour of Enabling Sustainable Growth: Shaping the Future of Work exhibition

Event Date: Now – 14 Dec 2024

Details: Click [HERE](#) for more details

The "Shaping the Future of Work" exhibition will be held at URA Centre Atrium from 24 October 2024 to 3 January 2025. Join in a guided tour of the exhibition to learn more about the upcoming development plans and find out how business nodes are shaped into inclusive spaces that integrate work, living, and leisure.



Evening Chorus at Kranji Marshes

Event Date: 21 Dec 2024, 4pm-6pm

Details: Click [HERE](#) for more details

Join in for a guided walk by Nparks to learn more about Sungei Buloh Wetland Reserve and the species which are living in the Kranji marshes, woodland and grass habitats. The walk will also guide participants through the core conservation area, which is ecologically sensitive and is not usually opened to the public.

YOU CAN GO GREEN TOO!

Singapore's Sustainability Journey



Click [HERE](#) to find about Singapore's various sustainability initiatives from 1972 till now.

Carbon Footprint Calculator by SPGroup



Click [HERE](#) to track your carbon footprint and find out how to reduce it.

STAY IN TOUCH WITH US



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Dec 2024