



CAMPUS HAPPENINGS



Regional youth leaders discuss social issues and challenges at the workplace

The [University Scholars Programme at NTU](#) (NTU-USP), supported by Temasek Foundation, hosted the Youth Regional Affairs Dialogue 2023 from 16-23 July. The eight-day programme brought together more than 60 youth leaders from 20 countries to discuss social issues and challenges faced by youths at the workplace in Asia. Topics on the agenda include Culture & Identity, Environment & Sustainability, and Intergenerational Divide. Minister for Culture, Community and Youth, and Second Minister for Law, Mr Edwin Tong, was the Guest-of Honour for the opening on 18 July 2023, where he delivered a keynote speech.

Click [HERE](#) for more details.



#HiddenHustlers Movement

Calling upon hidden hustlers among us! Stand a chance to receive mentorship and a special gift for supporting this movement when you contribute your impactful idea across the following categories:

- Support Digital Readiness
- Protect the Environment
- Help our Community
- Care for Well-being and Healthy Living

This initiative is brought to you by [NTU Innovation and Entrepreneurship](#), submit your ideas from 14 Aug to 30 Nov 2023!

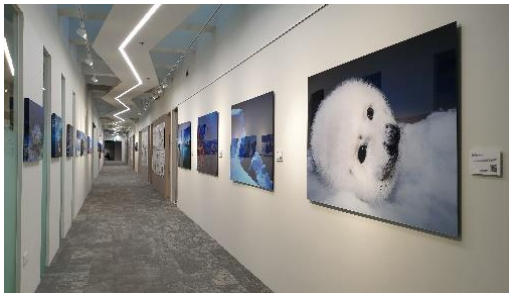
Click [HERE](#) for more details.



Biodiversity on campus

NTU campus is home to many non-human species. Nature enthusiasts from [Earthlink NTU](#) are actively collecting biodiversity data on campus to better understand our fellow residents. They also engage in tree planting activities on and around campus. These initiatives are crucial at a time of extensive tree clearing due to the MRT line construction. The [Resilient and Inclusive Cities lab](#) at the Asian School of the Environment supports such efforts and helps collate information on the services provided by nature on campus to better understand where tree planting should be prioritized and how it serves our community.

Click [HERE](#) for more details.



Earth Observatory of Singapore (EOS) Tour

As part of [Go Green SG 2023](#), the [Earth Observatory of Singapore \(EOS\)](#) has organised a tour on 4 & 5 July 2023 for the public to understand more about EOS' research and activities as well as how EOS is tackling sustainability issues. The visit included a walk through some of the EOS laboratories to learn how EOS scientists are looking at past climates and potential solutions to adapt to future climate change.



Review and optimization of air-conditioning operations at ADM

With assistance and coordination from the Office of Development & Facilities Management (ODFM), the [School of Art, Design and Media \(ADM\)](#) has undertaken a proactive review to reduce the duration of its weekday air-conditioning (air-con) operations by 2 hours. This optimization of air-con operating hours by ADM is projected to result in an annual energy savings of approximately 102,000 kWh. This amount of energy is equivalent to powering around 25 four-room HDB flats for an entire year. We earnestly encourage all schools and colleges to contribute to NTU's sustainability efforts by implementing measures to curtail resource consumption.

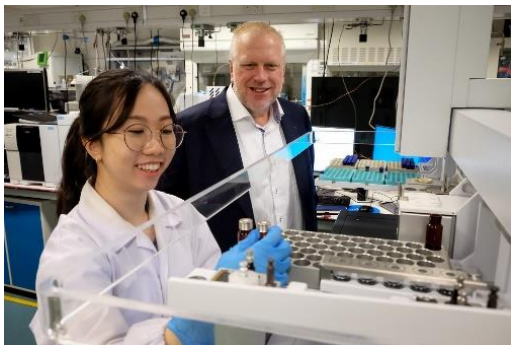


[Last chance to participate!] Change4Impact! Invitation to feedback on Green Nudge Signage pilot in the Arc and Hive

Change4Impact! Simple acts like switching off unused lights and appliances can save energy. A Green Nudge User Behaviour signage initiative, led by [NTU Sustainability Office](#) and supported by Office of Development and Facilities Management, was piloted in the Arc and Hive. Visual stickers were installed on doors and switches to prompt occupants to switch off lights before they leave. Selected staircases were adorned with positive messages to encourage people to skip the elevator and burn calories instead of electricity. 50 respondents will stand a chance to win prizes (lucky draw). To participate, share your feedback by 30 September.

Click [HERE](#) for more details.

RESEARCH HIGHLIGHTS



NEWRI receives S\$92 million funding for research and innovation

NTU scientists at the [Nanyang Environment and Water Research Institute](#) (NEWRI) has developed an innovative technology that could enhance testing capabilities for water agencies and serve as an early detection system for potential water hazards, both for drinking and industrial purposes. The technology will allow scientists to detect the presence of new chemical compounds in drinking water by using a breakthrough method that involves lab-grown human cells. The project is among one of several water research initiatives supported by a \$92 million grant by the National Research Foundation which aims to support water and environmental innovation and commercialisation.

Click [HERE](#) for more details.



Launch of three new satellites to test 3D-printed materials and monitor the atmosphere

Three new satellites built by NTU Singapore have been successfully launched into space on 31 July 2023, taking NTU's total satellite launch count to 13. Named SCOOB-II, VELOX-AM and ARCADE, the satellites will be used to conduct orbital experiments such as testing 3D-printed parts in space, measuring atmospheric data, and evaluating new space materials.

Click [HERE](#) for more details.



Addressing the loss of culture caused by climate change

An international research team, led by NTU Singapore, has unveiled initial findings from the Climate Crisis and Cultural Loss (3CL) project. Supported by the Singapore Ministry of Education (MOE) Award Academic Research Fund, the project assesses the impact of climate change on global cultures and features collaborators from universities worldwide. The initial findings were published in the Comparative Law Journal of the Pacific in March 2023. The study also aims to discuss how to protect communities against culture loss from climate change through a combination of interdisciplinary approaches like exhibitions, data visualization, film, and photography.

Click [HERE](#) for more details.



Innovative chip that quantifies air pollutants accurately

A team of researchers led by Professor Ling Xing Yi from NTU's [School of Chemistry, Chemical Engineering and Biotechnology](#) has developed a chip that may aid in the monitoring of sulphur dioxide and nitrogen dioxide from industrial and vehicle exhaust. By using surface-enhanced Raman scattering technology, the chip is able to accurately and rapidly quantify the gases in vehicle exhaust emissions.

Click [HERE](#) for more details.

OTHER EVENTS

9TH EDITION: SEP '23 - JAN '24
ZERO WASTE BOOTCAMP
CALLING 18-35 YR OLD COMMITTED INDIVIDUALS / TEAMS!
Create and execute eco + social projects in the community over 4 months.
Sign up here!
bit.ly/sgzwb9
INTERESTED?
✔ Yes, I am a Singapore resident aged 18-35 yrs
✔ Sure, I can pitch in 4-8 hrs a week
✔ That's right, I'm a team player

Zero Waste Bootcamp 9th Edition

Event Date: 30 Sep 23 - Jan 24

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

The Zero Waste Bootcamp (ZWB) organised by [Secondsguru](#) and powered by [National Youth Council](#), is a 4-month long programme for youth to team up and execute sustainability projects. By joining the bootcamp, it enables youths to connect with like-minded individuals, receive guidance from mentors and experts as well as become certified Green Ambassadors. Register [here](#) now!



Melting Ice, Sinking Cities Exhibition

Event Date: 23 Jun 23 – 31 Mar 24
Details: Click [HERE](#) for more details

Visit the exhibition “Melting Ice, Sinking Cities: An Urgency to Change the Present and Save Humanity” – the third edition of the Climate Action Exhibition Series. Presented by City Developments Limited (CDL), NParks, and Ocean Geographic (OG), the exhibition at CDL Green Gallery at Singapore Botanic Gardens, will run from Jun 23 to Mar 24. Discover the interconnectedness of climate change, ocean health, and our future.



Sustainability @ Tampines Park

Event Date: 5-27 August 2023, 10:00am-7:00pm
Details: Click [HERE](#) for more details

As part of the Clean and Green Singapore Experiences, Otolith is organising a visit to Singapore’s first biggest community-based circular ecosystem for sustainable food waste management and food production. Join in the tour to find out innovative ways to resolve food waste issues and take a look at how Black Soldier Fly (BSF) turn trash into treasure.

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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Sep 2023