

Circular Campus Programme

IMPACT SUMMARY MAR-APR 2022

Circular Cities Asia is pleased to have completed another offering of the Circular Campus Programme. We had the chance to work with universities from our previous cohort and other higher education institutions across the Asia-Pacific region. This impact summary reflects the level of engagement we had with participants from these universities.

Students who take part in the programme learn about circular economy innovation and have the opportunity to apply their learning by joining our innovation competition. To put their skills into practice, the student teams come up with circular business ideas that solve problems on or near their campus.

The number of students developing circular ideas and completing all of our programme sessions to receive a certificate demonstrates the effectiveness of our curriculum. We are also seeing a willingness among universities to support students who are advancing circularity and sustainability goals. After a successful incubation with student teams from the 2021 cohort, we look forward to working with two more teams this year as they develop and pilot their circular business ideas on campus.

Through the Circular Campus Programme, we are making strides to achieve our mission by increasing the capacity and skills of young innovators and academics.

ORGANISED BY



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16 University Partners

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UNDIP, Indonesia | AU, India
QIU, Malaysia | NUST, Pakistan
RMIT, Australia | RMIT, Vietnam
AUT, New Zealand | APD, Vietnam
MU, New Zealand | UEF, Vietnam

PROGRAMME DELIVERY PARTNERS



10 Speakers & Facilitators

4 Judges

2 Sponsors

PROGRAMME SESSIONS DELIVERED

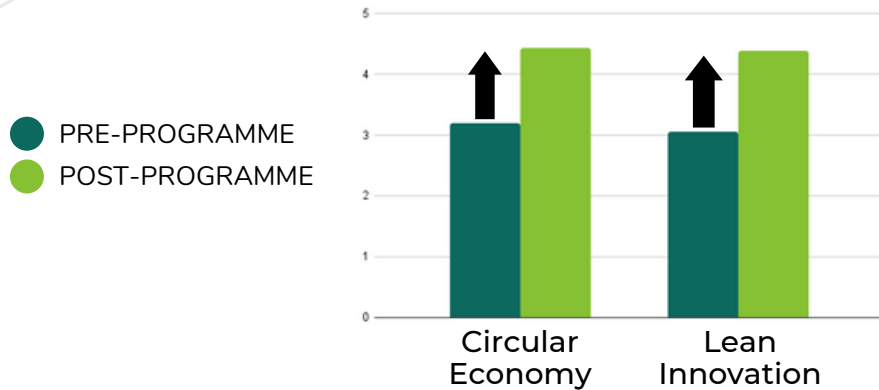
- Introducing the Circular Economy and CCAAsia's Framework
- Inclusive Design for Startups
- Circular Innovation Workshop 1: Problem Identification
- Circular Innovation Workshop 2: Ideation
- Fireside Chat with Cleantech Startup Founders
- Insights Into the Future of Work
- Pitch Workshop (For Competition Finalists)

4.5/5

Average Session Rating



CHANGE IN UNDERSTANDING

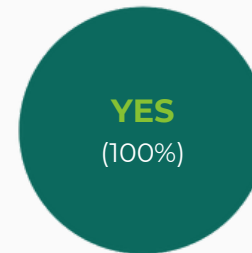


Net Promoter Score: 86

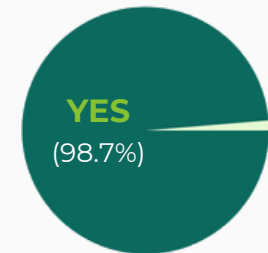


FEEDBACK FROM PARTICIPANTS

Has the programme inspired you to pursue opportunities in clean technology or circular economy innovation?



Do you think you will apply what you learned about the circular economy and innovation to your work or academic pursuits in the future?



What did you enjoy most about the Circular Campus Programme?

"Learning about the circular economy and how to turn circular and innovative ideas into reality."

"The competition itself was my favorite part since I got to see so many different innovative ideas from different teams..."

"Being able to present our idea was the most exciting for me as we were not only able to share the concept we have to support circular economy but also listen to the ideas of other groups all over Asia. Knowing that many are willing to start the change to nurture our environment gives me hope on creating a greener future for the next generations."



305

Certificates of Completion Awarded

97 Circular Ideas



SUBMITTED BY STUDENTS FOR THE INNOVATION COMPETITION

TOP 6 STUDENT TEAMS AND THEIR CIRCULAR IDEAS



Dark Horse Vietnam

Problem identified: A lot of energy is consumed on campus and a lot of energy is used during the daily commutes of students, faculty and staff of the university. Amongst the zero waste initiatives on campus, energy recycling has not been considered.

Circular idea: An energy conversion device that can be attached to motorbikes so that motor energy is converted to energy for electricity that can be used on campus.



The Paperists Philippines

Problem identified: In Balanga City, Bataan, universities generate a significant amount of paper waste. There is currently no effective solid waste management system to prevent paper waste from ending up in the landfill.

Circular idea: Process the paper waste into a pulp, which will then be glued together and turned into a lumber product. The lumber will be durable enough to be used for lightweight applications, such as making benches, tables and other furniture.



RMIT RIPS Vietnam

Problem identified: A large amount of plastic waste is generated on campus from leftover plastic pieces from 3D printing projects and old/faulty models. These plastics are not reused or recycled, but instead, thrown in the garbage.

Circular idea: A service to convert wasted or unused plastic from the 3D printing and laser cutting process. Using a machine, the plastic waste will be melted and processed to create new plastic materials (e.g. plastic slabs used in laser cutting or moulded into shapes).



PerrieLags Philippines

Problem identified: There is an excess of tarpaulin waste in the Philippines, especially during election campaigns. After use and reuse, the tarpaulins are either burned, buried or sent to the landfill.

Circular idea: Make the tarpaulins into plastic fibres that can be used in the production of fibre cement boards. The plastic tarpaulin fibres would become a replacement for coconut fibres.



Hay Day Vietnam

Problem identified: Large volumes of paper are thrown away after being used just once. There is no organised paper recycling system on campus.

Circular idea: An environmentally-friendly printing ink that's produced from paper waste. The used paper and cardboard will be collected and converted to biochar. The biochar will then be made into ink that can be used for the printing machines on campus.



CEnnovators Philippines

Problem identified: Construction waste takes up a large portion of the landfill. Surplus construction materials from large scale construction companies are thrown away even if they are still usable.

Circular idea: An e-commerce app where large scale construction companies can sell their waste/surplus materials to small scale construction companies and others in the craft and artisan industry to use as raw materials.

Thank you to everyone who helped make this offering of the programme a success!

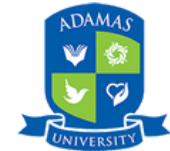
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