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Science Agency

Welcome to the Darwin Living Lab

Thank you for joining the Darwin Living Lab Community Hub, where you can find out the latest news on our progress and share your ideas.

Our first three priority projects are already underway which will contribute to Darwin developing into a thriving, cool capital of Northern Australia. We will keep you updated with our quarterly newsletter and you will also find us in our city office at Development House every Monday and Tuesday.

Over the coming weeks you'll hear more about our upcoming inaugural Darwin Living Lab Science Symposium on 12 and 13 December. We hope you can join us and share your knowledge, perspectives and expertise on how we can improve Darwin's liveability, sustainability and resilience.



About the Darwin Living Lab

The Darwin Living Lab is a 10-year collaboration between CSIRO, the Australian and Territory Governments and City of Darwin, and will test and evaluate urban innovation ideas from the Territory and around the world in 'real world' experiments. The initiative began in July 2019, and creates a place where researchers, industry, government, regulators, developers, businesses and the community can work together to address some of the environmental, social, economic and technological challenges facing Darwin.

The Darwin Living Lab's first suite of priority projects include:

- Developing a Heat Mitigation Strategy in collaboration with our partners to improve liveability and cool the city
- Creating a *Your Tropical City* website combining science and local knowledge and providing an accessible resource for Darwin on ways to cool streetscapes and climate-sensitive adaptation in design and living strategies appropriate to the dry tropical climate
- Hosting an annual science symposium on 12 – 13 December, to bring together leading experts and practitioners from the Northern Territory, Australia and overseas, and engage the community in the Darwin Living Lab.

We've begun engaging with the Darwin practitioner community through presentations and stakeholder meetings around town. Darwin Living Lab Coordinator Nerida Horner gave a presentation on the Darwin Living Lab and at the Australian Water Association's NT Water in the Bush 2019 conference in October at the Darwin Convention Centre. The upcoming Symposium will provide an opportunity to invite a broader audience in Darwin to begin to engage with the Lab, and preview the draft Darwin Heat Mitigation Strategy, as well as a test version of the Your Tropical City website.

National and international science comes to Darwin

The inaugural Annual Darwin Living Lab Science meets Practice Symposium is less than a month away and registrations are now open. The symposium will be held from 12 – 13 December at the Charles Darwin University Waterfront Campus.

To register visit: <https://events.csiro.au/Events/2019/November/14/Darwin-Living-Lab-Symposium>. A preview of the program is available at <https://research.csiro.au/darwinlivinglab/> with the full program to be released this week.

This year's theme – *Urban Design and Heat Mitigation in the Tropics* – will bring together experts from around Australia and the world to share practical examples and insights into heat mitigation and climate appropriate design projects from other regions with local expertise on adaptation for the dry tropics in Darwin. The symposium is an opportunity for architects, researchers, policy makers, developers, engineers, urban planners and community members interested in urban living to collaborate and share local knowledge with national and international expertise.

Keynote speakers and topics featuring at the symposium include:

- Global efforts to reduce urban heat and emerging technologies – internationally renowned Professor of High Performance Architecture Mat Santamouris, University of New South Wales
- Climate resilience as a thought leader in regenerative cities: Gilbert Rouchecoste, Village Well, placemaking expert
- Cooling Singapore and making optimal urban design choices for outdoor thermal comfort
- Cairns Tropical Urbanism and Design Lab
- Local experts in active transport, urban greening for the dry tropics and climate appropriate design.



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