



CALL FOR INTERNATIONAL COMPETITION ENTRIES

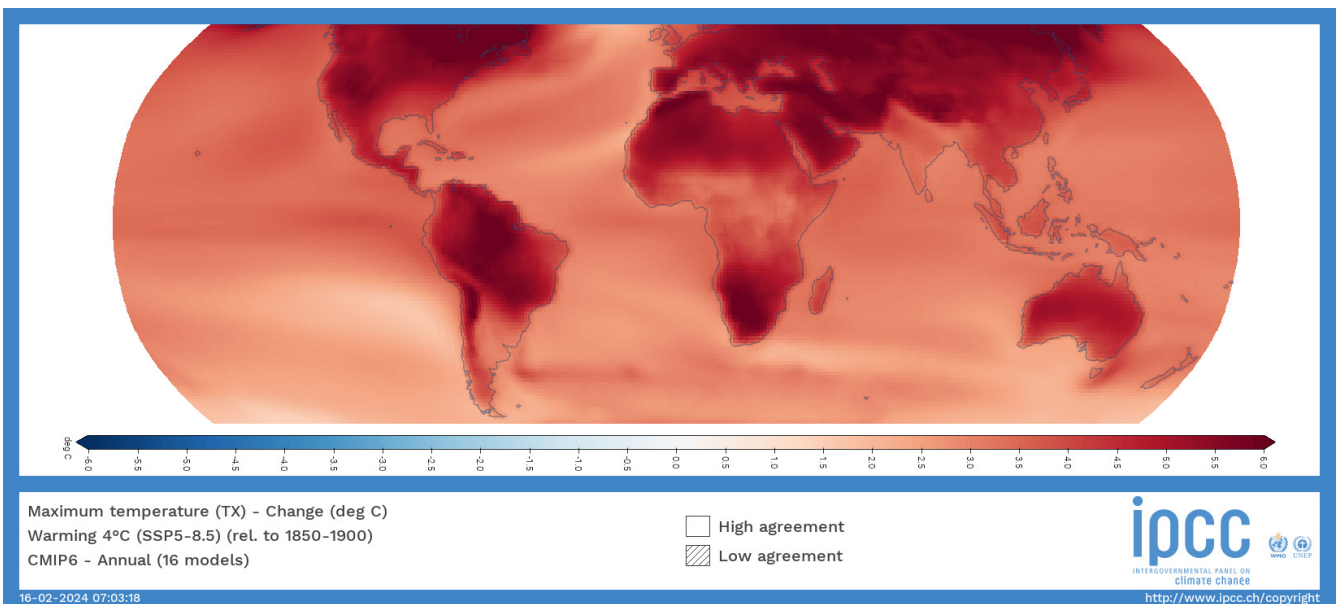
The latest IPCC report paints a grim picture of climate change, predicting soaring heat stress worldwide. Urban Heat Island effect can amplify city temperatures by up to 10°C compared to peri-urban surroundings, posing significant health risks. Globally, heat is a silent killer that is responsible for more deaths than any other natural disaster. Despite this, the design and planning implications of increasing temperatures on urban precincts, public open spaces and housing remain poorly understood. Preparing urban communities to be 'climate-ready' is critical, and there is a need for innovative urban design and planning strategies to underpin urban adaptation measures.

WHAT TO DO:

- 01** Select a 500 x 500m site in a city worldwide, urban or greenfield.
- 02** Research projected 2099 climate conditions of your chosen city using IPCC's Sixth Assessment Report and Interactive Atlas, assuming SSP3-7.0 (+4°C) scenario.
- 03** Adapt the site to projected climate conditions, focusing on extreme temperatures.

Strategies may include:

- Optimal building massing and orientation.
- Increased residential density to reduce cooling needs.
- Integration of urban forests for shade and cooling.
- Water-sensitive urban design for evaporative cooling.
- Use of light-colored surfaces to reflect solar radiation.



WHAT TO SUBMIT:

Produce three A2 panels that include:

- 01 A master plan of your site (with lat. long details)
 - set in 2099
 - adapted to the SSP3-7.0 warming scenario
 - responding to existing or proposed urbanism
- 02 A plan and section or 3d view of a detailed area comprising a typical open space, street and built form demonstrating adaptation to the SSP3-7.0 warming scenario.
- 03 A storyboard for a typical day of a fictional character living in the neighbourhood in 2099 in an SSP3-7.0 warming scenario. Including up to 300 words of text and related visuals.

WHY A DESIGN COMPETITION?

Commentary on climate change is often alarmist and can employ inflammatory language. Words like 'catastrophe', 'threat' and 'urgency' are widely used. The problem is that such commentary can lead to denial, paralysis, apathy, or even perverse reactive behaviour.

At the same time, a major blockage to transformational change is a lack of urban design vision that can capture the public imagination for more sustainable and climate-adapted futures. This visionary dimension is critical because people are unlikely to discard a flawed paradigm until a more alluring model can be found.

Urban design should play a significant role in exploring what this model could be. For example, how should climate change-adapted urban precincts look, feel, and perform across a broad swathe of climate regions in the near and distant future? How do we move beyond pragmatic adaptation to climate change? Indeed, how could climate change adaptation be a catalyst for creating diverse, dense and delightful neighbourhoods?

The competition aims to engage current experts and the next generation of designers and planners with climate-sensitive urban design techniques and elicit innovative climate-sensitive urban design solutions.

WHO CAN ENTER?

This international ideas competition is open to tertiary students and graduates from any climate region. We expect most entrants will be urban planners, urban designers, architects, and landscape architects, although entries from other relevant professional backgrounds are welcomed.

Entrants are encouraged to work in multidisciplinary teams.

WHAT IS THE PRIZE?

The competition will have a total prize pool of \$15,000. This prize money would be split between the tertiary student and graduate entries.

WHO ARE THE JUDGES?

The judges will be announced shortly.

HOW WILL THE JUDGES ASSESS THE ENTRIES?

The judges will assess the entries according to their working knowledge of established climate-sensitive urban design strategies and their development of innovative strategies. Rather than a purely technical exercise, the judges will recognise entries demonstrating creative engagement with increasing temperatures as a springboard to designing delightful, socio-ecologically enriching, innovative urban proposals.

The Australian Urban Design Research Centre will model the winning entries in ENVI-met high-resolution 3D modelling software that accurately simulates complex microclimatic processes to test their veracity.

WHEN WILL THE COMPETITION CLOSE?

The competition will close at 11:59 pm on the 30th of June 2025.

HOW DO I SUBMIT MY ENTRY?

Submission details will be announced shortly.

RECOMMENDED READINGS + LECTURES

Readings:

- Lenzholzer, S. (2015). *Weather in the City: How Design Shapes the Urban Climate*. Rotterdam: nai010.
- Henrique, K. P., & Tschakert, P. (2022). *Everyday limits to adaptation*. Oxford Open Climate Change.
- IPCC. (2022). *IPCC Working Group II Sixth Assessment Report*. Retrieved from <https://www.ipcc.ch/report/ar6/wg2/>
- IPCC. (2021). *Climate Change 2021: The physical science basis: summary for policymakers*. Retrieved from <https://www.ipcc.ch/report/ar6/wg1/>

Lectures:

- An introduction to Climate Sensitive Urban Design https://youtu.be/EehAk4T_Vt4?si=xqBOXWswN2omcjUM

FUTURE CLIMATE + FUTURE HOME

TERMS AND CONDITIONS

The specific conditions below and the entire competition brief constitute the Conditions of Entry.

ELIGIBILITY + ANONYMITY

- o The Future Climate Future Home design competition is open to tertiary students currently enrolled in an undergraduate or postgraduate program at an international university or technical college, and graduates (of any level of experience).
- o There are no professional qualification requirements for entry.
- o Entries may be made by individuals and teams.
- o Employees of the AUDRC, jury members and their spouses/ partners are not eligible to enter.
- o Faculty, students, and employees from jury member organizations are eligible to enter.
- o Entries will be judged anonymously. There must be no identifying information (that is, information that identifies individuals, organizations, schools, groups, or firms associated with the entry) on the images, in the image file names, or in the accompanying statement or text. Non-conforming entries will be disqualified.
- o Jurors are required to immediately advise the competition organizer and recuse themselves from voting on a particular submission in the event that they believe they recognize the identity of an entrant from the submission.
- o Any entrant who violates these rules and any non-conforming entries will be disqualified.

SUBMISSIONS + USE OF SUBMITTED MATERIALS

- o Submissions will only be accepted from eligible entrants who have submitted digitally through the competition platform by the competition closing date (11:59 pm -Australian Western Standard Time- on the 30th of June 2025).
- o Submissions must conform to page/sheet dimensions and the instructions shown at registration and in this document. Non-conforming submissions will be disqualified.
- o Please note that only .pdf files are accepted. Files must be under 100MB and should have a minimum resolution of 300dpi.
- o No physical/mailed submissions will be accepted.
- o Submitted materials shall not be released nor exposed to the public, press, or other media (including social media) before the

announcement of the winning entries. Entrants who violate this condition will be disqualified.

- o No information contained in submissions shall be deemed confidential; therefore, please do not submit any information that may be considered proprietary in nature.
- o The AUDRC and its sponsors or affiliates shall not be liable for any costs incurred by any entrant in the preparation of a submission.
- o By entering the Future Climate Future Home competition, you warrant that your submission does not include any images or text infringing on a third-party copyright, trademark, or other intellectual property right.
- o By entering the Future Climate Future Home competition you grant the AUDRC a free license to use, publish, distribute, and make derivatives of the submitted materials, in whole or in part, in connection with judging, promotion, review, publication, and exhibition of the competition and for future publications, and for archival and other purposes, in any format including print, digital, and online.
- o The AUDRC has complete discretion over how submitted materials (including images, derivatives of images, supporting texts, and fonts) are adapted or used in any publication, exhibition, or promotion. The AUDRC may crop, alter, adapt, or reformat images, replace fonts, and edit or change text to conform with the overall aesthetic, style, and with other layout and editorial considerations of any publication or exhibition, and for promotional or review purposes, without notice to the entrant.
- o The AUDRC may request design files from awarded entrants for the purpose of making font changes, formatting changes, text corrections, image resizing, or other necessary changes required for publication.

GENERAL

- o In the case of disqualification, entrants will NOT be notified.
- o Jury processes and deliberations are confidential, and the decisions of the jury process are final.
- o The information in this document and on the submissions platform forms part of these Conditions of Entry. You must accept the Conditions of Entry to enter the competition.
- o The competition organizers reserve the right to amend this document at any time, without notice.