

RP2001

SCOPING STUDY- PRECINCT DESIGN & ASSESS TOOLS

Snapshot

This project is an evaluation of urban precinct assessment tools to identify what level of collaboration, standardisation of information, data and processes are required to develop a 21st century design tool to evaluate the carbon imprint and sustainability of current and future built environments and to provide a common environmental rating system for urban precincts. A standardised system will improve the present fragmented approach to precinct assessment.

Outcome

It is anticipated that the Scoping Study will: 1. Develop a strong business case and functional specification for creation of a Precinct Performance Assessment Tool capable of application nationally and internationally to greenfield, brownfield and greyfield urban development projects. 2. Outputs from Module 1: Specification for a digital modelling platform related to GeoDesign applications, including precinct information modelling (PIM) will provide the strategic direction for a Full Project Proposal for a Digital Platform for Information Modelling Capable of Application to Precinct Applications (which was one of 3 exemplar projects submitted with the (successful) CRC Funding proposal in 2011; it was the exemplar for Program 3). It was peer reviewed by 8 external

reviewers and highly rated. The background activity undertaken in this scoping study and more importantly the interactions with other domains and end users that will utilise this 21st century digital platform will prove to be a significant contribution to the innovation expected from Program 2. 3. Module 3 and 4 outputs will be state of the art reports on precinct design assessment methods and performance measurement data/metrics. Overall the Final report will be a roadmap for the federal Government's Urban Design Protocol for Australian Cities released in Nov 2011.

Low Carbon Precincts

4. Designing integrated low carbon precincts

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Partners

Swinburne; UNSW; CSIRO; UniMelb; UniSA; Curtin; AECOM; Building Comm; Urban Growth; Sydney Water; Urban Renewal SA; HASSELL; HIA; Dept of Infrastructure and Transport

PROJECT START DATE: DEC-12

PROJECT DURATION: 8 MONTHS