

RP3002

A MODELLING FRAMEWORK FOR LOW CARBON LIVING

Snapshot

This project aims to develop software tools to identify how decisions are made about taking on energy efficient retrofits of commercial buildings and about how effective government interventions and programs are at increasing the energy efficiency of retrofits. Research into the opportunity to develop a mapping based database to store and link all information needed to operate the Living Laboratory concept and to act as a hub for storing and processing data from other CRC projects.

Outcome

Key findings:

1. Retrofits of existing buildings can provide large-scale reductions in emissions.
2. Cost-effective options are available from current technologies. However, take up may be low because of financial and socio-cultural barriers.
3. Various intervention programs from government, community and industry can be used to help building owners overcome barriers
4. Operations Research techniques can be effective in evaluating impacts of alternative programs
5. Simulation techniques can be effective in helping understand and manage interactions between programs and barriers.

The intention is that scenarios evaluated by the model are adopted by the government partners in a suitable form to better target programs for reducing carbon emissions in building stock.

Engaged Communities

5. Evidence base for low carbon living policy

Project Leader

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Partners

CSIRO; NSW Office Env & Heritage;
Dept of Industry

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PROJECT DURATION: 3 YEARS

