

LIVING LABS OPEN INNOVATION NETWORK: INTEGRATION AND PRODUCTS

Factsheet



**LOW CARBON LIVING
CRC**



KEY POINTS

- Our suite of research projects across three programs includes 17 Living Labs
- We have organised the Living Labs into a typology so users can understand where knowledge can be sourced and its different uses
- We are now creating an integrated open innovation network of our 17 Living Labs to provide further opportunities for entrepreneurs, innovators and policy makers to learn and experiment
- We will also develop a toolbox to allow users to access key findings across the network
- Further details on each individual Living Lab can be found in the lab specific factsheets

THE OPPORTUNITY

The diverse set of 17 Living Labs we have established offers and opportunity to unite them into an integrated open innovation network which provide a range of tools and products for innovation in cities which are greater than the sum of the individual elements.

THE TYPOLOGY

A Living Lab brings together business, society and researchers to demonstrate, prototype and mainstream high-performance products and services for low carbon living in our cities and regions. The integration of our Living Labs will fill the knowledge-utilisation gap, providing leading technology in a form ready for uptake.

Our Living Labs have been established to address one or more of the following challenges:

- the complexity of socio-technical change,
- how to engage with society at large
- the provision of place and space for experimentation

[RP3045 Living Labs](#)

CRC for Low Carbon Living

The CRC for Low Carbon Living (CRCLCL) is a national research and innovation hub that seeks to enable a globally competitive low carbon built environment sector and is supported by the Commonwealth Government's Cooperative Research Centres programme.

With a focus on collaborative innovation, the CRCLCL brings together property, planning, engineering and policy organisations with leading Australian researchers. It develops new social, technological and policy tools for facilitating the development of low carbon products and services to reduce greenhouse gas emissions in the built environment. For more information visit www.lowcarbonlivingcrc.com.au/

They can also be organised into the following typology (Table 1):

1. Purpose built Living Lab which provides a place for co-creation and prototyping
2. Embedded Living Lab which provides insight from real-life environments
3. Urban Living Lab which is a place and space to providing scale up (new innovation) and scale out (replication)
4. Community based Living Lab which is a space for sharing knowledge and innovation

Living Lab typology	Project code	Project name	Location
Purpose	RP1010	CRC House	Sydney
		Factory Future	Melbourne
		Illawarra Flame SBRC	Wollongong Wollongong
Embedded	RP3009	Josh's House	Perth
	RP3009	10 House Labs	Perth
Urban	RP2018	Broadway	Sydney
	RP3017	Bowden	Adelaide
		Greater Curtin	Perth
	RP3017	Lochiel Park	Adelaide
		Swinburne	Melbourne
	RP3017	Tonsley	Adelaide
Community	RP3033	White Gum Valley	Perth
	RP3043	Beyond WGV	Perth
	RP3020	Schools	Perth
	RP3011	Yarra Livewell	Melbourne
	RP3010	Blue Mountains	Sydney

TOOLBOX

Our open innovation network will provide a range of practical tools that can be developed on request and that are based on the knowledge generated. These include:

- Measurement technologies and the interpretation of data generated through Living LabsMixed (qualitative and quantitative) methods to assess the importance of the interaction between humans and technology
- Rating schemes, predictive analytics and a low carbon readiness index
- Systems of practice for the home and assessing the relevance of achieving low carbon through automation
- Approaches to community engagement
- Demonstration of new technologies
- Business model for economic sustainability of Living Labs

NEXT STEPS

The open innovation network will create a legacy project that provides a series of dynamic environments offering products and services for business and society. If you wish to be involved in this process then we welcome your expression of interest.

PROJECT TEAM

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FURTHER INFORMATION

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REFERENCE

Eon, C. and Morrison, G.M. 2017. A systematic literature review to identify best practice business models for Living Labs. Technology Innovation Management Review (submitted manuscript)

