

Insurance Council of Australia  
**Building Resilience Rating Tool**

2012

## ICA BRRT Initial Project Objective

A prototype tool which is:

- a. effective in providing users with **resilience and adaptation guidance**,
- b. **demonstrates leadership** for industry and government towards establishing resilient communities for Australia and
- c. provides a proven **platform for development** across more hazards, material types, building designs and climatic locations.



# Resilience Rating Tool

Address Information	Location Map - Google Maps
Queensland	
2 Picnic Point Esplanade	
Maroochydore 4558	

## House Design Information

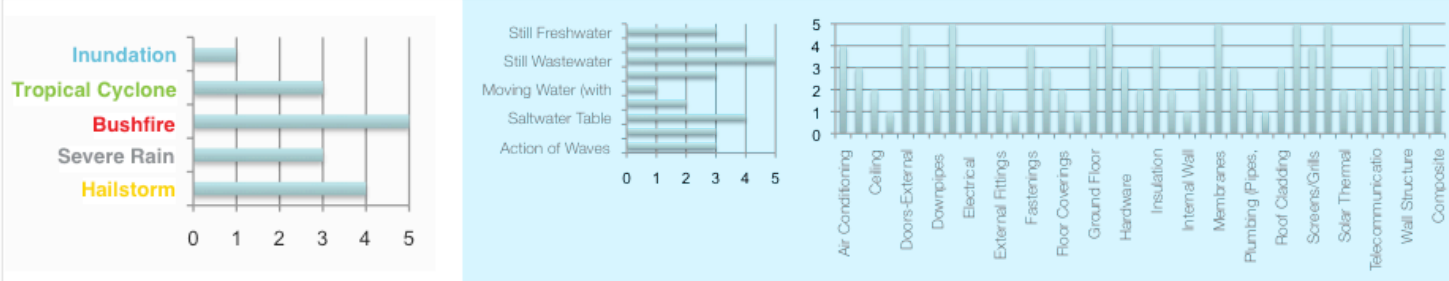
Select your choice(s) and click

Q

Building Element	Material Element
Air Conditioning	Electronics
Blinds/Curtains	Synthetics/Plastics
<b>Ceiling</b>	<b>Composite (Steel, Concrete)</b>
Chimney	Clay Bricks
Doors/External	Plywood (Waterproofed)

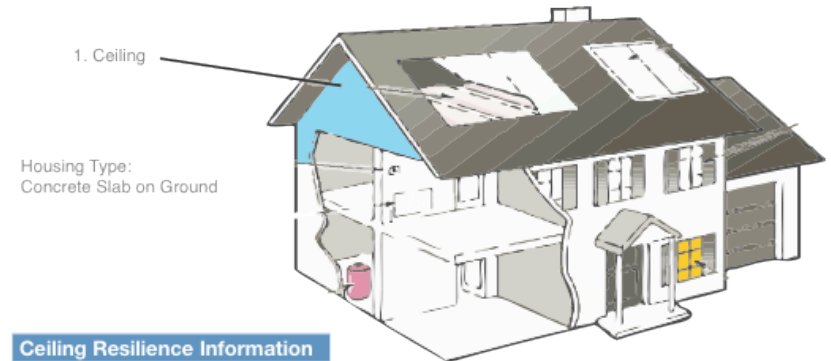
Choose All

## Resilience Rating



**3**

Resilience Rating



### Ceiling Resilience Information

[Material Guide](#)

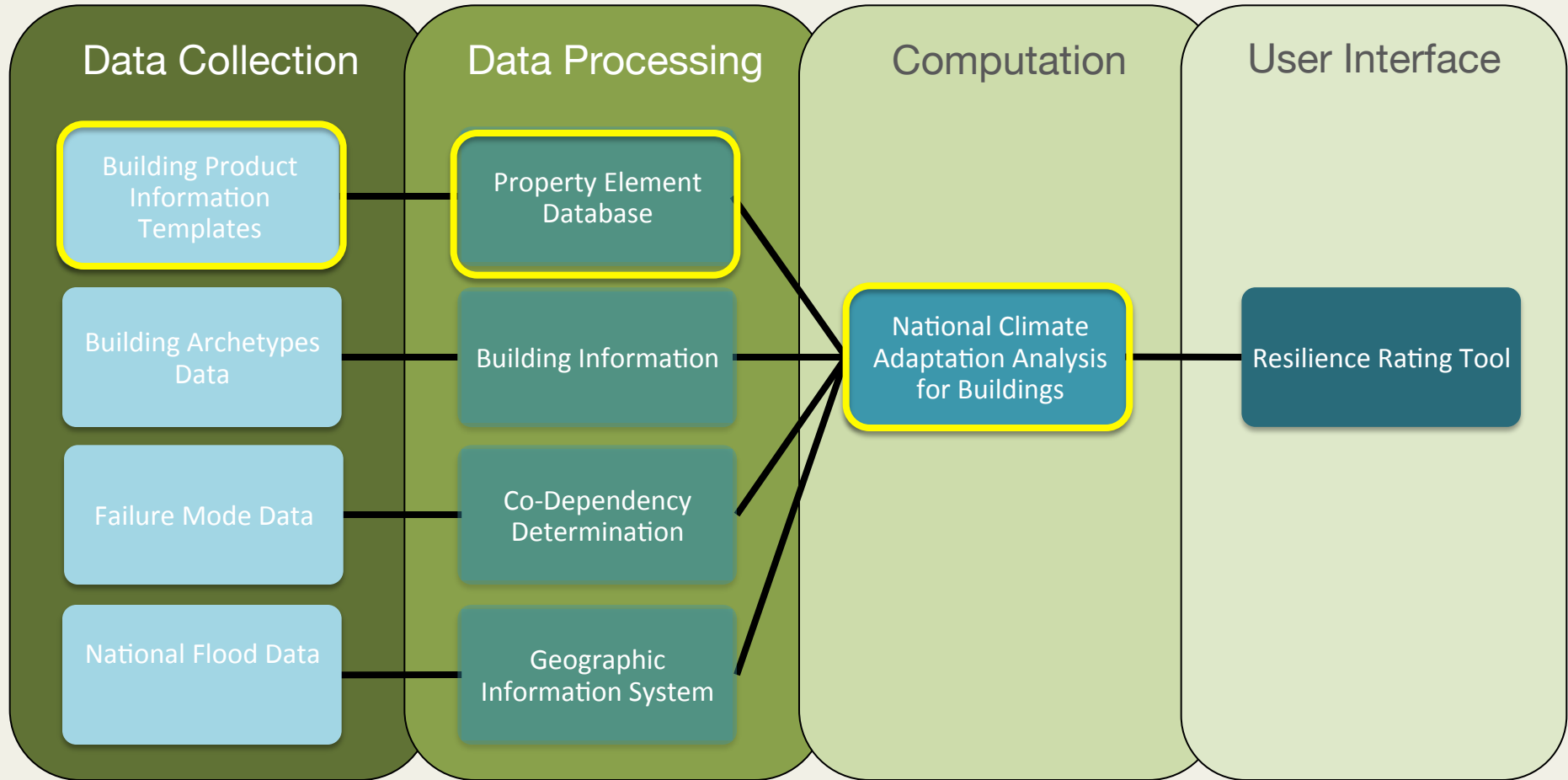
Information on the resilience of ceilings...

### Hazard Amplifier

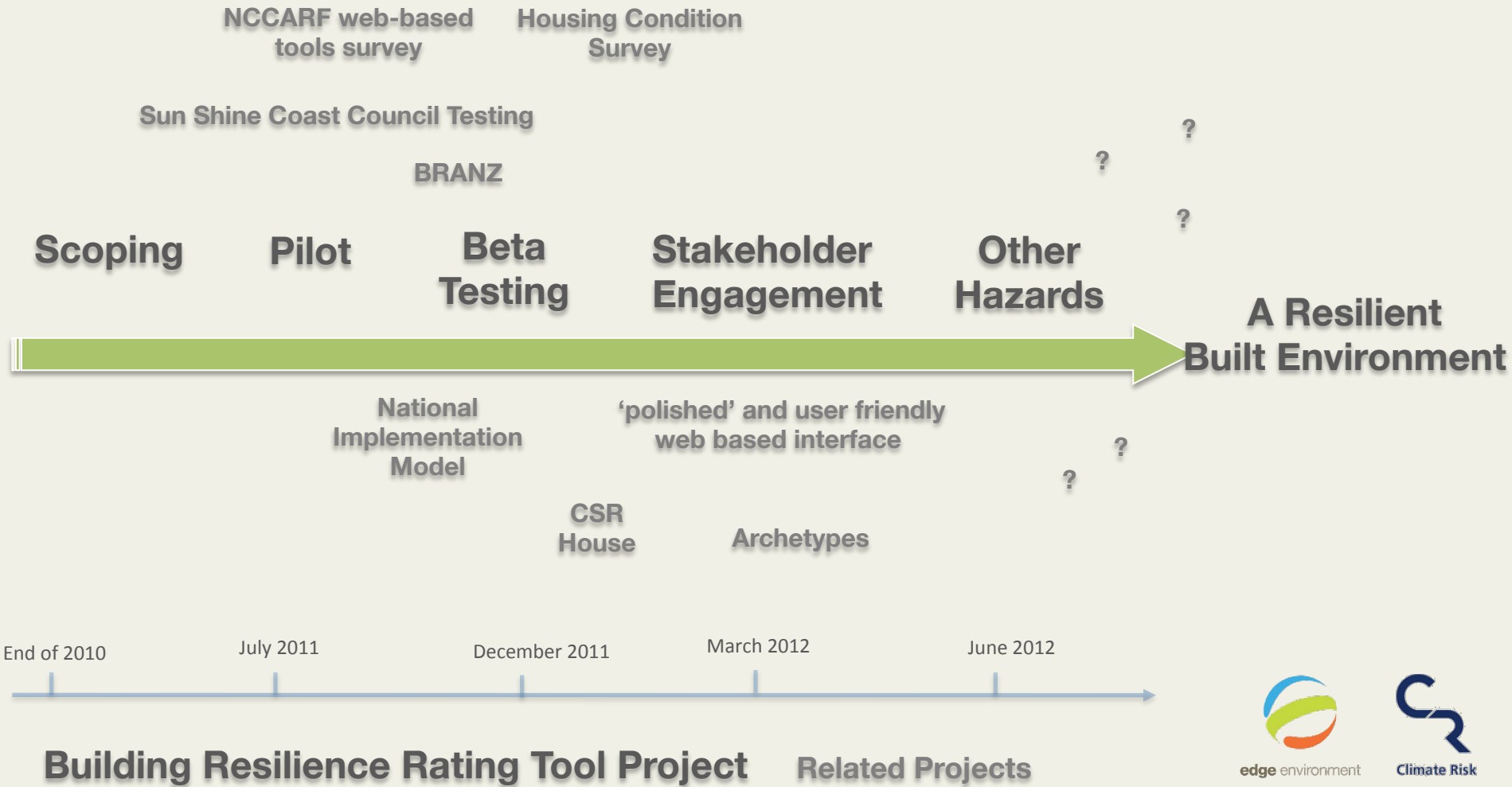


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## Overview of ICA BRRT



# Project Linkages and Relationships



## Sequence of Work & Progress

### Current:

- **Stakeholder Engagement** (Edge Environment, ICA) March – June 2012
- **BRRT tested** in Sunshine Coast Council area (partners DCCEE, SCC, ICA) March – April 2012
- **BRRT develops intelligence** through logging damage through events (Emergency Architects Australia and Uni of Newcastle) March – September 2012
- **Storm hazard component** being developed (SCC and ICA) March – May 2012 – (research materials being provide to Green Cross, Harden Up)



## Sequence of Work & Progress

### Scheduled:

- **Align “Archetypes”** for Australian Houses to NatHERS (DCCEE and ICA) **April – August 2012**
- **“Wiki” Property Element Database (PED)** developed in cross Tasman project, with back end testing and certification of materials (BRANZ and Edge Environment) **April – December 2012.....**
- **Further development** of BRRT across all hazards, climate zones and property types



## Summary

- The Building Resilience Rating Tool (BRRT) is live and developing sophistication as component projects are delivered
- BRRT is developing a chain of information about the resilience/durability of property elements, products and materials and is stimulating the Built Environment Supply Chain to innovate for greater resilience
- BRRT is founded on rigorous information and building science to provide informed recommendations to increase resilience
- BRRT is engaging with stakeholders who share similar goal of a resilient built environment

