



Climate Safe Housing Action on Adaptation

Scott Willis, BRCT

Camilla Cox, BRCT

Martin Kean, Otago Polytechnic

Context

- **IPCC Summary Report**

“relief that the true stakes of climate change are finally out there, grief and fear over our lack of action, impatience with leaders who continue to shirk their responsibilities, and excitement to get to work on a problem that affects us all.”



Natural Hazards and Climate Change

Climate change increases the frequency and intensity of adverse events



Everything has changed

Disruption and economic impact at many levels
(individual, organisation, community)



Our City, Our Climate

Deep South Science Challenge support for BRCT's community engagement workshops

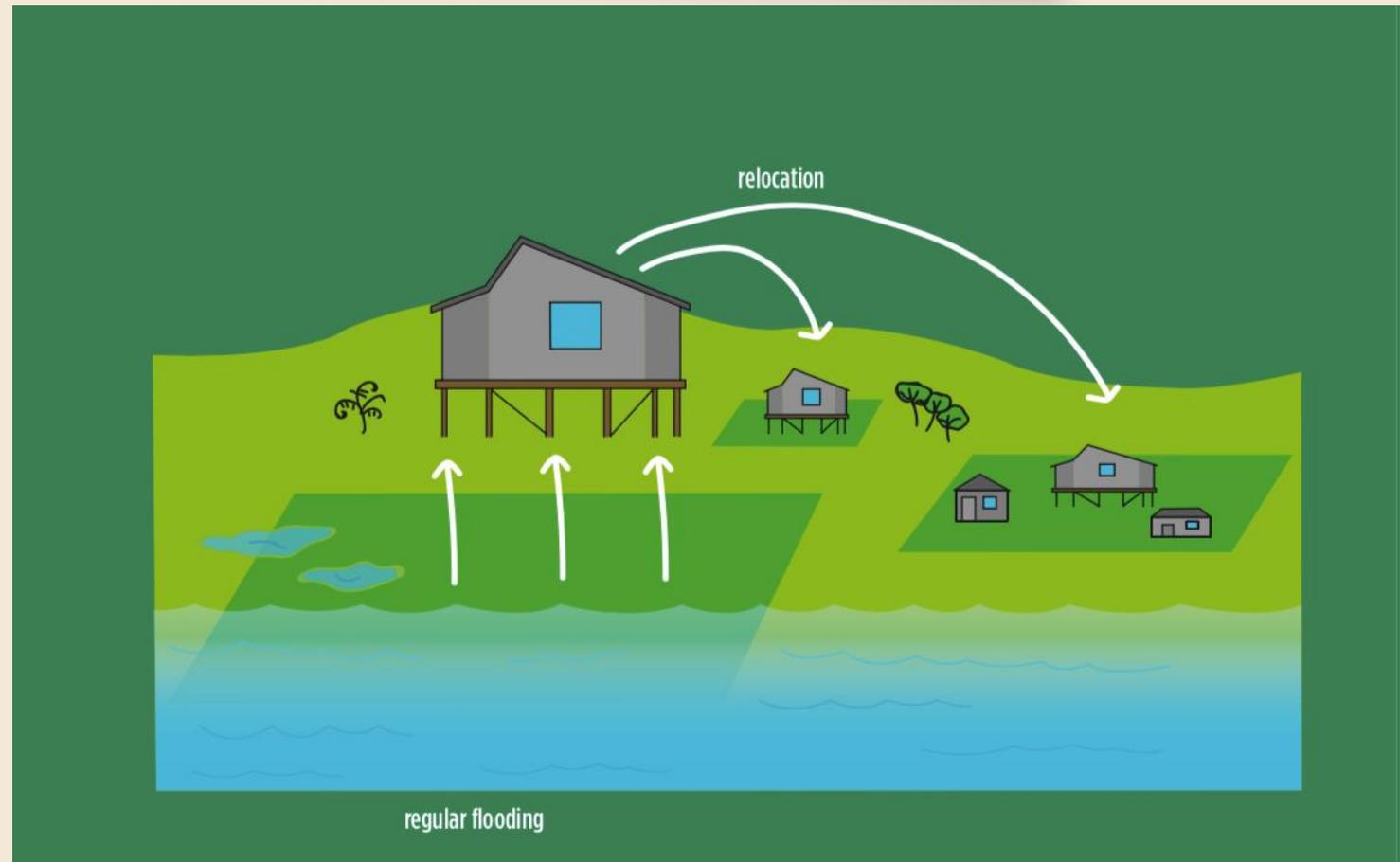


Adaptable, Climate Safe Housing

Climate Safe Housing was a strong theme from workshops

CSH project an existing project

Increased momentum



Climate Safe House: What is it?

- A flax-roots community project to develop housing in areas vulnerable to climate impacts
- prepare for managed retreat
- Right now we are working with a vulnerable homeowner who is prepared to give up equity in return for a warm, safe, efficient transportable eco-home with a low rental
- A transfer of private risk to a collective solution of Climate Safe Housing

Climate Safe House: where it began

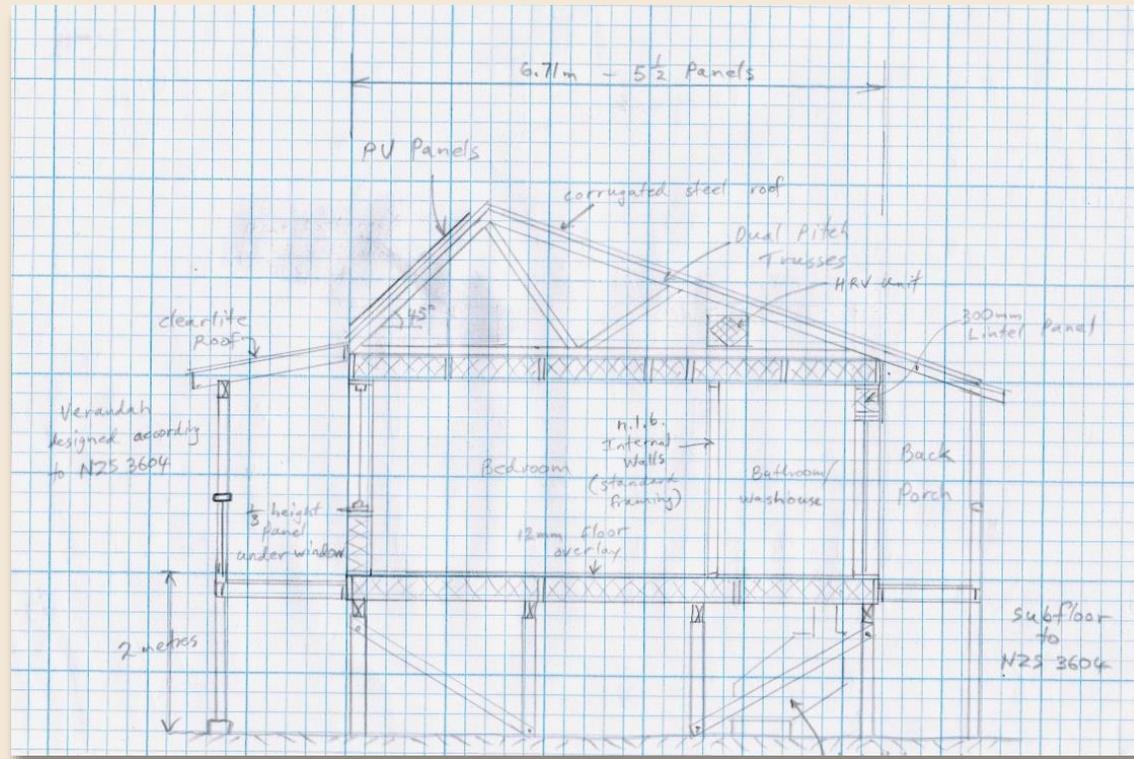
- A pattern of complex housing issues revealed through Cosy Homes Assessments
- A request for help
- An unwillingness to look the other way
- May 2016 roundtable, OP students, community input, community research 2017



Climate Safe House: Where are we at?

Sponsorship pledges to the value of approx \$110,000 (materials and services)

Final detailed design being prepared for building permit (Dec 2018?)



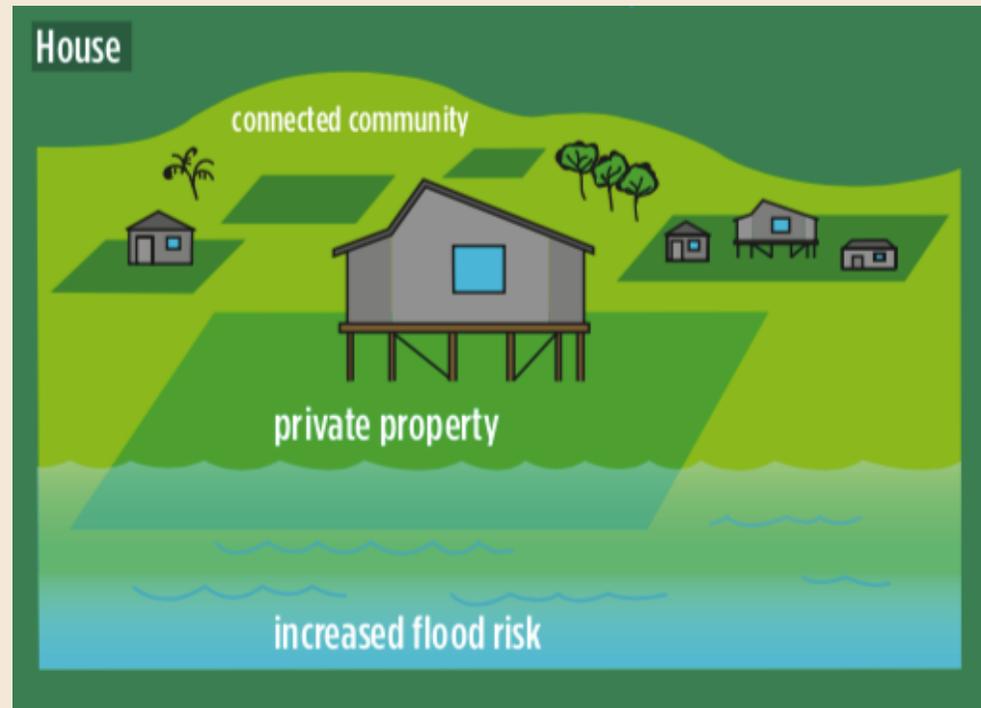
Tuesday 20th November

Meanwhile, need is acute
(Tuesday 20th November
2018, Kilarney St,
Waitati), flooded again
(2017, 2015, 2006, ...)



Climate Safe House: challenges remain

- Overcoming social inertia on adaptation
- Funding Project Management
- Legal agreements in place
- Matching sponsorship funding to begin build
- Popularising the model



Summary

- Climate Safe Housing an opportunity for urban renewal
- Affordable adaptable quality housing
- It starts with the first Climate Safe House.

Imagine using transportable eco-homes as accommodation for the Dunedin hospital build.

These homes could then be redistributed for social housing and for shelter for the vulnerable away from flood hazard.

link

<https://www.youtube.com/watch?v=YkXHhSM8XNs>