

May 2018

Revised Tranche 2 Strategy

For your comment

BUILDING BETTER
HOMES, TOWNS
AND CITIES

Ko Ngā wā Kainga hei
whakamāhorahora

National
Science
Challenges

This purpose of this document is to present the revised version of the Tranche 2 Strategy that was workshopped at the BBHTC NSC Colloquium on the 8th-9th May 2018 and discussed with the Governance Group along with some members of our independent Science Advisory Panel. Having received this feedback we now present the revised version for your review and comment. This document sets the high level strategic framing for our research and rangahau program in Tranche 2 as well as the outcomes and impacts we will collectively make.

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Challenge Objective | Te Hoaketanga

This Challenge will improve the quality and supply of housing and create smart and attractive urban environments.

TE TEKOTEKO | VISION

Built environments that build communities

Mā pango mā whero ka oti ai te mahi

Homes, neighbourhoods, kāinga, towns, communities and cities throughout Aotearoa / New Zealand that enable people to enrich their lives and reach their social, cultural and economic potential throughout their lives.

TE TAHUHU | MISSION

Our mission is premised on Manaaki Tangata. Through co-created, innovative research / rangahau, the Building Better Homes, Towns and Cities / Ko Ngā Wā Kāinga Hei Whakamāhorahora NSC will contribute to transforming the systems and organisations that shape built environments, to deliver homes and communities that are hospitable, productive, and protective.

✕ Whanonga Pono| Challenge Values

The Challenge has identified the internal values that will drive how it operates. These align with the external values of the four wellbeings, which frame the impacts from Challenge activities.

This Challenge is a meeting place and the wharehau (often referred to as Tāne Whakapiripiri), a gathering place where people connect and collaborate. Tāne Whakapiripiri signals the fundamental importance of our homes and is an emblem of how this Challenge brings together:

- Tangata Whenua and Tangata Tiriti in a research partnership;
- End-users and researchers co-creating research priorities and projects
- End-users and researchers working in co-operation to achieve the desired changes in the built environment.
- Researchers across organisations and disciplines.

THE CHALLENGE VALUES THAT DEFINE HOW THE CHALLENGE OPERATES ARE:

WHANAUNGATANGA

Enabling social interaction - Aligned with social and cultural wellbeing

KAITIAKITANGA

Connecting people to the natural environment - Aligned with environmental wellbeing

ŪKAIPŌTANGA

Meeting the needs of diverse peoples - Aligned with social and cultural wellbeing

WAHI MANAAKITANGA

Helping people to be healthier and safer - Aligned with social wellbeing

WHAIRAWA

Supporting equitable access to wealth, resources and amenities - Aligned with good internal systems and processes for sharing Challenge resources

Proposed Research Program | Ngā Kaupapa Rangahau

Kaupapa and Impacts

To deliver to the Vision and the Challenge Objective, the Challenge has identified two areas of research activity for Tranche 2, which will result in impacts that deliver to the Vision. These impact areas all address, in a variety of ways, the four areas of wellbeing, identified as the core concepts which the challenge will use to evaluate impact:

> **Social** > **Cultural** > **Environment** > **Economic**

1) Homes and spaces for generations | Kāinga Tahī, Kāinga Rua

Homes, and the spaces in which those homes are set, need to meet the aspirations of the communities of any specific location and meet their changing needs over time i.e. meet the needs and aspirations of people and communities at different stages in life and as needs change with changes in society.

The built environment remains largely designed and driven by external forces, rather than through decision making by people and communities. A paradigm shift is required to deliver the homes and communities people need, rather than the homes and communities organisations want to create. Homes, amenities and economic, social, cultural and environmental infrastructure need to be economically accessible to the people in the local community, physically accessible and deliver living environments in which people thrive, physically, socially and culturally. Because of the diversity in Aotearoa New Zealand communities and peoples, the design and implementation of homes and spaces need to be diverse and flexible to match.

One particular aspect of that diversity is the need, in some environments, to live at density in order to accommodate growing populations in urban areas. High density living is not the New Zealand norm and we need to learn how to do it well, in ways that meet the social, cultural and environmental needs of our peoples and communities.

Desired impacts that research will lead to are:

- System changes that shift the cost of homes available to a community towards matching the purchasing power of the people in that community including:
 - o A significant reduction in design, consenting and construction costs of homes
 - o A building, design, planning and regulatory sector consistently able to deliver the homes and spaces communities need and desire i.e. a significant shift in industry practice
- System changes that markedly improve the quality of the buildings and spaces in which people make their homes, work and play in
- New social and physical structures and spaces that result in people living well at density, including structures informed by Māori design and kaupapa centered values
- New social and physical structures and spaces that result in homes and their surrounding spaces
 - o Being physically accessible and adaptable for their inhabitants, relative to their age and physical capabilities
 - o Meeting and enhancing the social and cultural needs of their inhabitants
- Economic, social and cultural infrastructure and amenity that supports the accessibility, adaptability and broad utility of homes and spaces.





2) Thriving communities | He Pā Harakeke

Communities and neighbourhoods are the 'building blocks' of the towns and cities they are part of. A thriving country requires thriving communities in both cities and regions. Communities need to be in charge of their own wellbeing, and have the tools and knowledge appropriate to ensuring they thrive on their own terms. This theme is about communities taking control of their own futures and co-creating research appropriate to their own needs.

In Aotearoa New Zealand, around half of the population lives in settlements with populations between 10,000 and 400,000. The opportunities and challenges for these places differ from those facing Auckland and large cities or smaller towns.

As housing densifies, having neighbourhoods and public spaces that enhance livability and wellbeing become more important.

This kaupapa is also about ensuring that the BBHTC research program is inextricably connected with diverse communities throughout Aotearoa New Zealand. It is about research teams working in partnership with communities to build connections with industry, regulatory agencies, local and central government, iwi and Māori communities that enhances the influence and uptake of the research evidence and findings.

Desired impacts that research will lead to are:

- A knowledge base regarding the success factors related to thriving communities, which is shared across Aotearoa New Zealand
- Communities equipped with new tools and knowledge allowing them to take control of their futures, while ensuring economic, social, cultural and environmental wellbeing.
- Māori communities taking control of their homes, spaces and futures, using new tools and knowledge co-created in the Challenge.
- Regional Māori land opened-up for housing use as the result of viable regional economies, while ensuring social, cultural and environmental wellbeing.
- Models for community-led research, using participatory methods and truth grounded in community reality, which can be applied broadly in Aotearoa New Zealand.
- Interdisciplinary and cross sector collaborative research improving the quality and supply of housing



✕ Pā Kāinga – a conceptual approach and evolution of the Challenge

The Pā Kāinga is both a metaphor for the Challenge and the physical representation of Māori research processes, embedded in the lived reality of our communities. It is an evolution of the Challenge concept from the Tāne Whakapiripiri model. As research and discussions have taken place, it was queried why the meeting house stood alone; a meeting house is central to a community, in a cluster of buildings within a village.

In the same way as Tāne Whakapiripiri now stands within the Pā Kāinga, the next Tranche of Challenge activity will increase its focus on research being undertaken in tandem with the community in which it is taking place; co-creation and co-implementation are essential components of the research process. In addition, people stand at the centre of the Challenge, without people, a village is only a cluster of buildings; without people, research is only a set of abstract ideas.

What are your views on the expansion of Tane Whakapiripiri to the Pā Kāinga?

Questions for feedback:

What are your views on the proposed strategy going forward?

What are the priority research areas aligned to the two kaupapa?

What are the medium and long term impacts we will generate?

How will we leverage the opportunity?

Engagement Process for feedback on our Tranche 2 strategy

There are numerous ways to contribute to the development of our strategy for Tranche 2. Please attend our open meetings to be held in:

- Auckland on Wednesday 20 June
- Wellington on Friday 22 June
- Chch on Monday 25 June

All these meeting will take place between 11-1pm.

Venues for these meetings will be posted on our website.

There will also be a meeting of the Māori Science Leadership Team and Science Leadership Teams along with key BBHTC researchers to be held in Wellington on the Tuesday the 26th of June from 10.30-3pm.

To register your attendance to attend these strategy engagement meetings please email nscinfo@branz.co.nz

You can also complete a feedback form via our website see <http://buildingbetter.nz/>

Holistic
Approach

Getting around
TRANSPORT
is crucial

REFLECTIONS

1:1 & BIG DATA

A HUMAN
SCALE

Tangible
Actions!

COLLABORATION!
RESEARCHES
BUILDING
COMMUNITY

GROW MORE
KAUPAPA
MAORI

MAORI WORK
needs to be
done by
MAORI
people

BUILD
HOUSE

AGE FRIENDLY
creates inclusive
ENVIRONMENTS

LEARN from
REAL LIFE
EXPERIENCES

MORE
LINKS
BETWEEN
SRA's
+
PROJECTS

DEVELOPING
a common
KAUPAPA!

A HOUSE
ON
PAPAKAINGA
LAND

Ka Ora Kāinga Rua?

HOU ORA
WELLBEING
SITS AT THE
CENTER

OUR
People
are our
STRENGTH

BUILT ENVIRONMENTS
THAT BUILD
COMMUNITIES

The frame
work
for this is
whakawhānaukatanga

DECLUTTERING
THE
SCIENCES

Acknowledging
alternative
Stories
& Logics

2→3
DAY
WĀNANGA

Pick
WINNERS
of
Courageous

IDENTIFYING

WINDOWS
OF
Opportunity

ENSURE THAT OUR
OUTCOMES
INFLUENCE

Decision
MAKERS ACROSS
ALL AGES

Community
DRIVEN
DESIGN
OF PLACE

HOUSES
BUILT AND
MONITORED FOR
HIGH Quality

IMPACTS

Social
ENVIRONMENTAL
BENEFITS - By DESIGN
MORE THAN
CONSTRUCTION.

HE AHA
TE MEA
NUI?

VISIBLE
(ANTICIPATED)
OUTCOMES

he tangata
he tangata
he tangata

EMPOWERED
OUTCOMES

MEASURING
the
THINGS THAT
COUNT

PROVIDING
FEEDBACK
& FEEDFORWARD

COMMUNITY
AGENTS

for the Research
PROCESS

KOTAHİ te Kōwhāro o te ngira
ekuhana o i
Te miro ma
Te miro pango
Te miro where



TANE WHAKAPĀPĀRI