



Urban Narrative Value Based Urban Design

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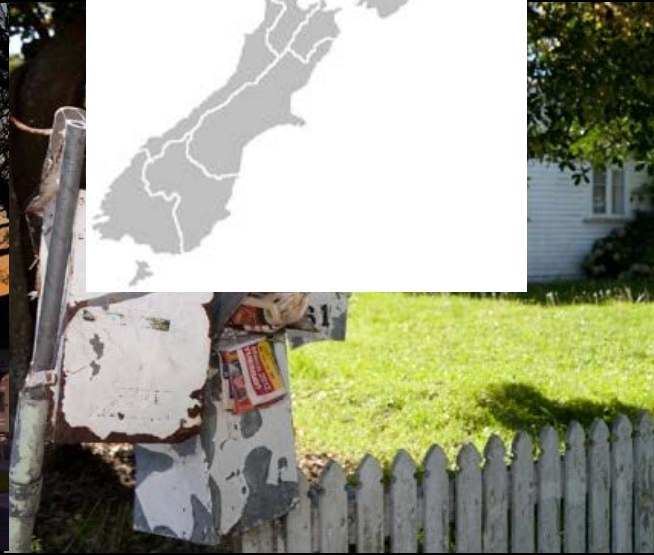
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The Dimensions of Urban Design

- Morphological
- Perceptual
- **Social**
- Visual
- Functional
- Temporal

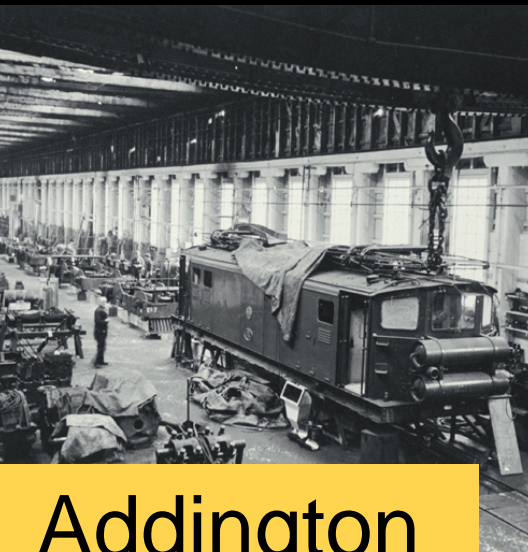


Napier, Hawkes Bay



Maraenui

Christchurch, Canterbury



Addington



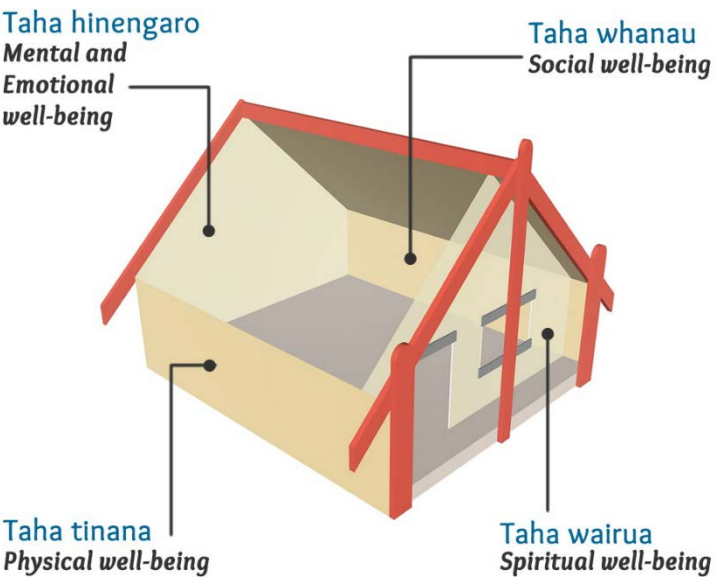
Urban Narrative

Cultural Values and Human Needs

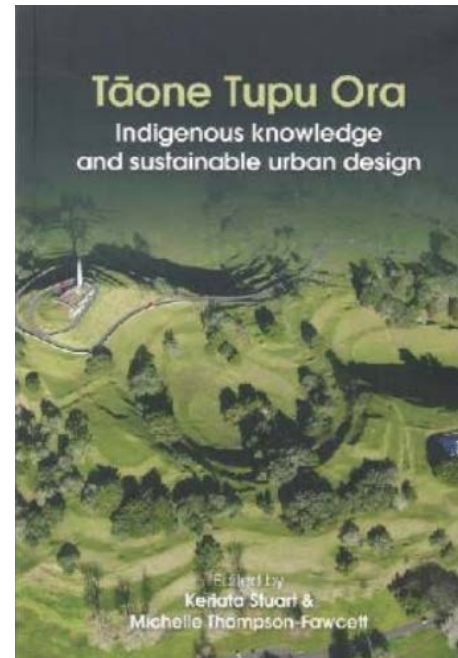
Maslow's Hierarchy of Need (1970)



Te Whare Tapa Whā



Te Aranga Design Principles (2008)



- Rangatiratanga**
Chieftainship/ Right to Exercise Authority
- Kotahitanga**
Unity/Togetherness
- Kaitiakitanga**
Guardianship and Stewardship
- Wairuatanga**
Spirituality
- Manaakitanga**
Hospitality and kindness
- Whanaungatanga**
Relationship/ Sense of Family Connect
- Matauranga**
Knowledge/Wisdom

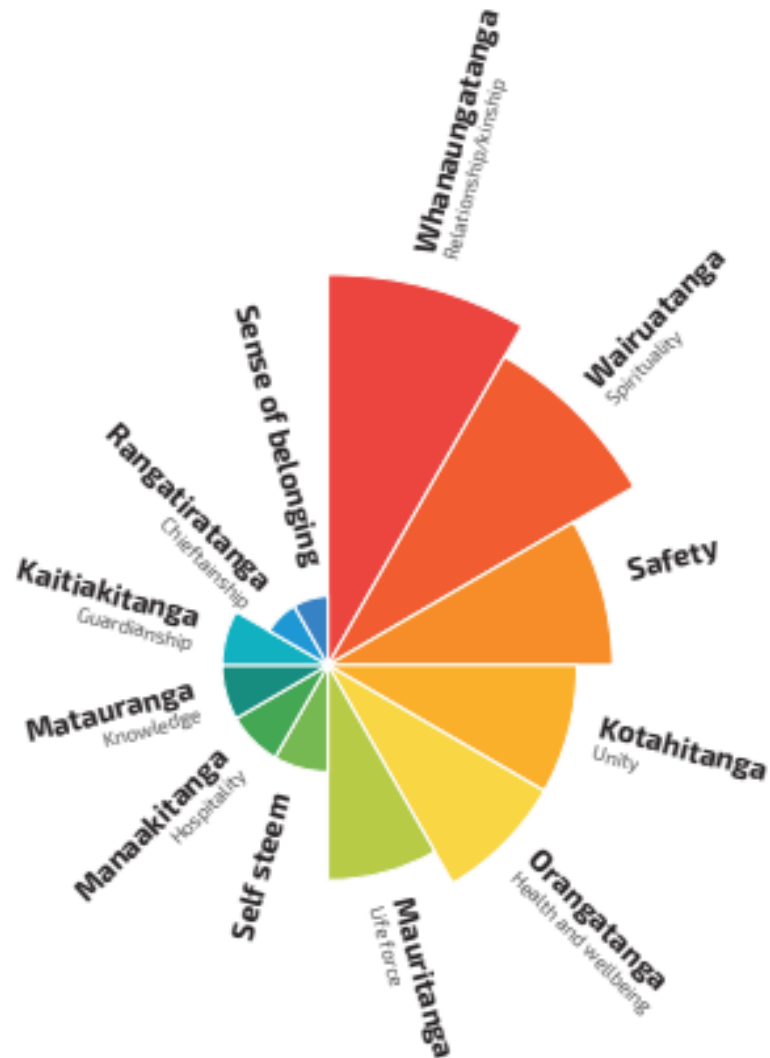
Overlapping of Maori and Non-Maori Cultural Values and Human Needs

Te Whare Tapa Wha	Te Aranga Māori Urban Design Principles	Maslow's Hierarchy of Needs
Taha wairua (spiritual health)	Matauranga	Self-Actualization
	Rangatiratanga Manaakitanga	Esteem
Taha hinengaro (mental health)	Kaitiakitanga Wairuatanga Whanaungatanga Kotahitanga Orangatanga Mauritanga	Belonging
Taha whānau (family health)		Safety
Taha tinana (physical health)		Physiological

Urban Narrative: Maraenui Workshop



Ranking of Cultural Values and Human Needs by Maraenui Workshop Participants



Whanaungatanga Relationships/Kinship

- Physical places where people connect. Quite strong in Maraenui
- Spaces where we live, play, mourn etc
- Sports, cultural, educational activities and space

Wairuatanga Spirituality

- Church/community group
- Socialising outdoors
- Cultural connection to land and plants
- Minority engagement with gardening
- Ancestors and diaspora
- Customs

Safety

- Safe exits for emergency
- Connection via broadband.
- Safe for children to play and walk
- Darkness - poor street lighting
- Eyes on the street - know your neighbours
- Where people don't go (activity)
- Its safe for adults but not for kids. It used to be safe for kids but now its not.
- Need safer pedestrian routes and roads.
- Poor connectivity of roads - hard to get in, hard to get out



Maraenui: Guiding Principles

Value-Based Urban Design Brief

- Children-friendly spaces
- Safe and accessible spaces for community events and activities (singing, prayers, meetings) including placed to welcome and host visitors
- Online and physical spaces for the community to share information
- Active citizen engagement in decision-making
- Safe pedestrian footpaths that are well connected and well lit
- Access to recreational spaces while protecting the natural environment
- Recognition of community heritage and culture
- Access to health services



Collage illustrating 'what's important to record' to the Addington Community.



Urban Narrative : Data Collection, Analysis, Visualisation

Urban Narrative: Data Collection



Christchurch

The copy warned the Little Blind Text, that where it came from it would have been rewritten a thousand times and everything that was left from its origin would be the word "and" and the Little Blind Text.



Raglan Napier Christchurch

Map Satellite

Search Google Map

Add your story

Inspired Learn Play Work Socialize

Instructions

1. Click on a category for a pin
2. Place the pin on the map
3. Add a story to your pin

A satellite map of Christchurch, New Zealand, showing the city grid and surrounding areas. Several pins are placed on the map, each with a text box containing a story. The stories are: "We donot want Addington to", "Addington Bush... like a little", and "This is where you see".

Stories about Christchurch

We donot want Addington to

We donot want Addington to become part of the CBD... that would be devastating.

Last updated at 19/07/2018

13 likes

Addington Bush... like a little

Addington Bush... like a little oasis.

Last updated at 23/01/2018

23 likes

This is where you see

This is where you see the 'old Addington', with so many community minded people. We are losing the 'village feel'

Last updated at 23/01/2018

54 likes

Urban Narrative: Data Analysis

City Centers

[About Collection](#) [Search](#) [Browse](#) [Activities](#) [Collocations](#) [Wordlist](#)

Browse Collocations in Collection

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Top 100 collocation:

[Noun+Noun \(100\)](#) [Adjective+Noun \(100\)](#) [Noun+of+Noun \(100\)](#) [Verb+Noun \(100\)](#) [Verb+Preposition+Noun \(100\)](#) [Adjective-](#)

- [city centre](#) (54)
- [bus exchange](#) (10)
- [car parks](#) (8)
- [transport options](#) (5)
- [shuttle buses](#) (5)
- [rise buildings](#) (5)
- [car parking](#) (5)
- [sex shops](#) (4)
- [city living](#) (4)
- [ground floor](#) (4)

Common Themes

from Public Ideas

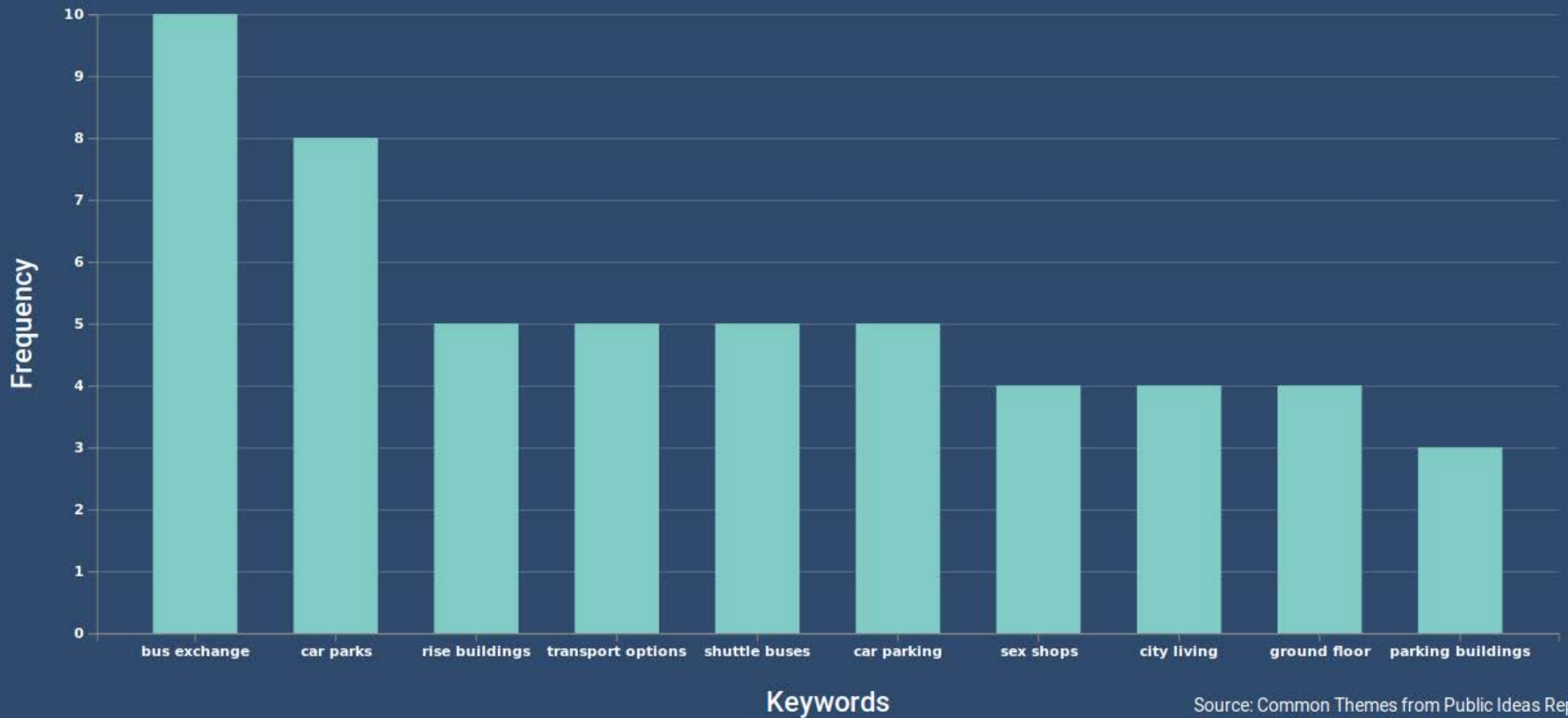
Christchurch Central City Plan

21 July 2011
Monitoring and Research Team
Christchurch City Council





Top 10 Flax Collocation (N+N) excluding City Center



Source: Common Themes from Public Ideas Report
Powered by Flax interactive language learning

Urban Narrative: Data Analysis

Top 100 collocations

Noun+Noun (100) | Adjective+Noun (100) | Noun+of+Noun (100) | Verb+Noun (100) | Verb+Preposition+Noun (100) | A

• city centre (54)

- Mix of views on university – some say bring it back into the city centre ; others say leave it at Ilam.
- Some suggest bringing components back into city centre (e.g. Music school, artistic displays, law school, study sp the whole university back into town.
- It should be a place for people to gather and relax" "Families will feel safe at all times" Elements of CPTED (Crime rebuild "If Cathedral Square were to imitate many latin city squares the place would be more attractive to visitors d number of "decent eyes" surrounding it" "Concentrate activity, vibrant city centre , active street frontages, active and "Safety is paramount - plenty of lighting, lots of people around, especially at night - no dark alleys/corners" "all elev surveillance of street" "don't forget to apply principles of crime prevention through urban design" Opening until 3am "Ban drunks from city bars for 14 days or more" Increased police presence and visibility (including surveillance cam the beat " "Nil tolerance for crime and hooligans, good lighting, visible policing, other people around" "...zero toleran alleyways, & a gr8tr police presence" Many believe that an increase in central city living and people will equate to a centre - all ages and stages so everyone has a stake in keeping it safe and making a community" "More residential d transport options after dark "Good transport services to get late night workers home" "Ensure nighttime waiting areas f security wardens present at all times" Many comments wanting prostitute and sex businesses clustered in a specific a seedy sex shops" "I would like to see the adult sex shops removed from the city centre -they give it a seedy appearanc concentrated area" Many comments relating to missing everyday life in the central city, and the sense of loss of not bei take place – some feel like they need to do this as part of the healing process "I also miss the beautiful buildings and th
- For social interaction to happen the city centre or CPD (central peoples district) needs to be an attractive safe and inclu city include: pleasant gardens and outdoor areas, cafes, great shopping and markets, being able to move around easily

Common Themes

from Public Ideas

Christchurch Central City Plan

21 July 2011
Monitoring and Research Team
Christchurch City Council

Safety Vibrant
Attractive Function

why

Social Interaction
Activity Beauty

Hooligans
Visitor's Drunks
who

Prostitutes Families
Ordinary People

Urban Narrative: Data Analysis

City Centers

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- [central city](#) (258)
- [public transport](#) (11)
- [green spaces](#) (9)
- [light rail](#) (7)
- [young people](#) (7)
- [green space](#) (5)
- [cycle ways](#) (5)
- [open space](#) (4)
- [wide range](#) (4)
- [Inner city](#) (4)

Common Themes

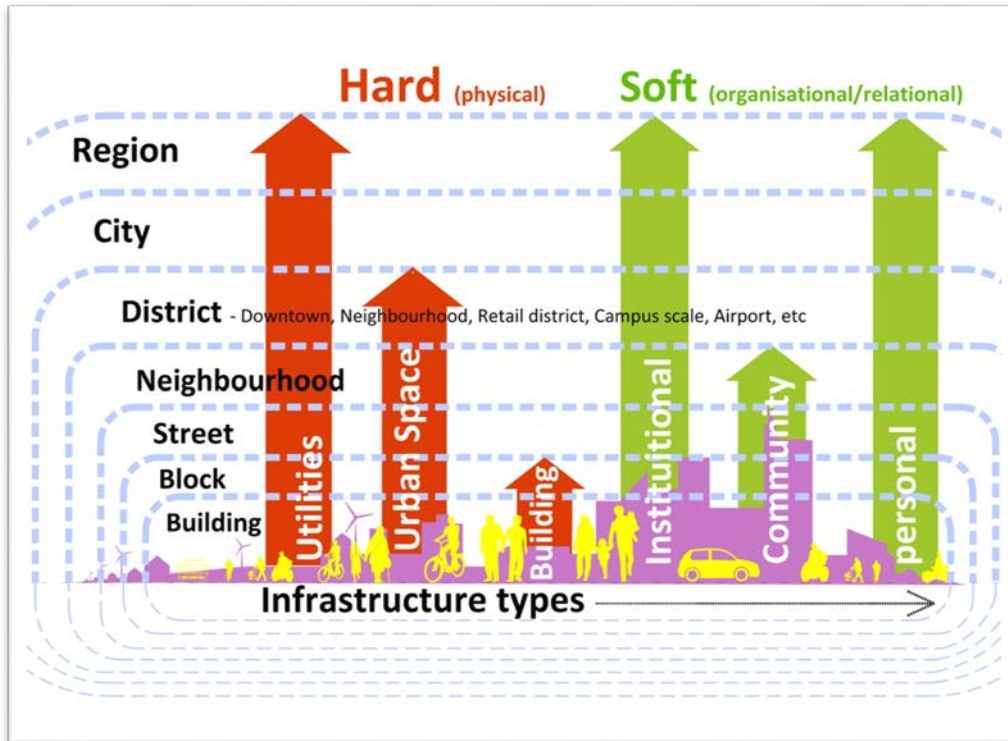
from Public Ideas

Christchurch Central City Plan

21 July 2011
Monitoring and Research Team
Christchurch City Council



Urban Narrative: Data Visualization



examine the relationship between hard and soft infrastructure

Urban Narrative: Data Visualization

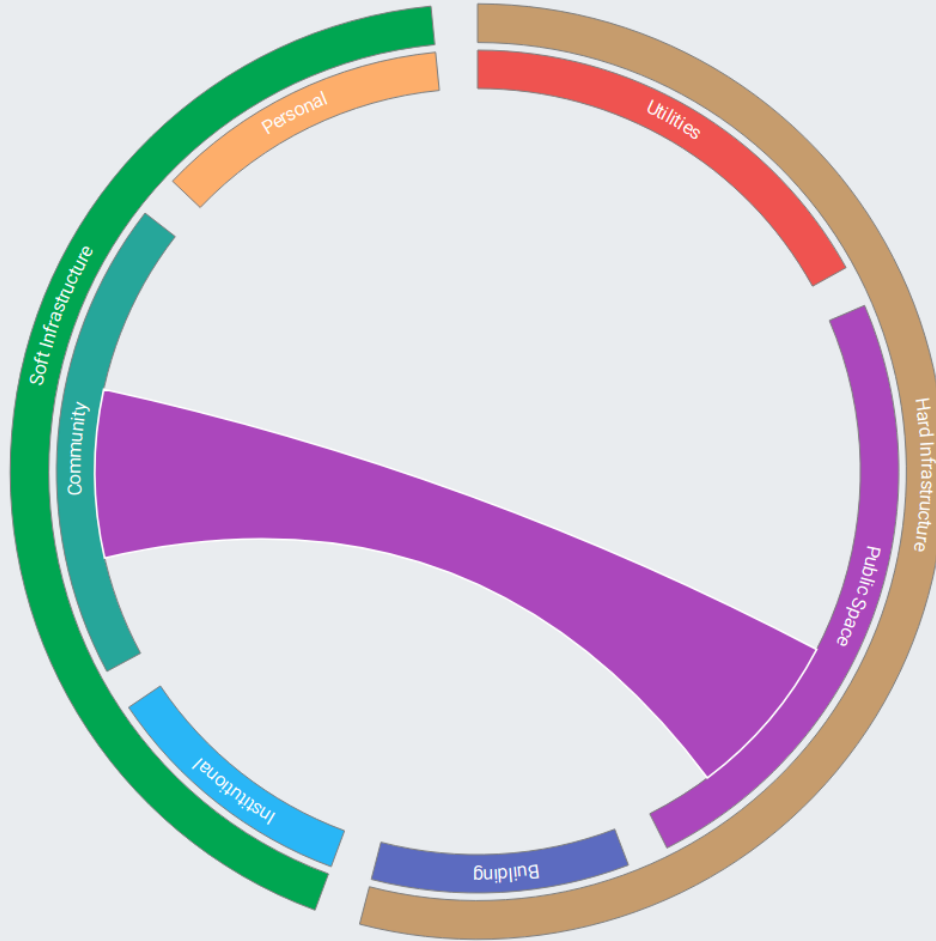
Frequency Chart

Relationship Chart

Bubble Chart

Tree Chart

Pie Chart



Public Space Community 5 stories

Some suggest bringing components back into **city centre** (e.g. Music school, artistic displays, law school, study space, accommodation) "We really have ... | [Read more](#)

"It should be a place for people to gather and relax" "**Families** will feel **safe** at all times" Elements of CPTED (Crime prevention through environme... | [Read more](#)

Opening until 3am only encourages binge drinking" "No alcohol servd afrtr 12pm" "Ban drunks from city bars for 14 days or more" Increased police presen... | [Read more](#)

Create a legacy for **Christchurch** by providing a well thought out **city centre** .

"None of us could stand the **noise**, the **pollution**, and the proliferation of loitering **teenagers** around the **bus exchange** ." "Avoid old **bus exchange** p... | [Read more](#)

Need a cheaper version for the **locals** "Trams in the CBD that are **cheap** to use" "...Big discounts on it for multi trip/residents" ". Please please continue with the tram project but make it affordable for all to use to bring people into the **city** while providing outlying car parking areas and the trams bring people to the new **city centre** . | [Show less](#)

DATA STORYTELLING



by 2021
your full personal carbon footprint will be negative due to the combined effect of building design, lifestyle and wind farm offset



safe night time waiting areas for public transport



city centre for people to relax

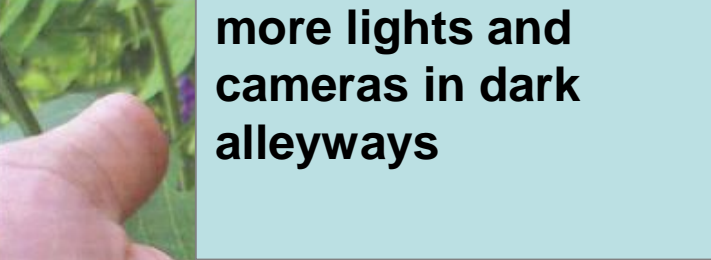
city centre attractive for visitors and tourists

place for families to feel safe



30%
of residential units are affordable – rent controlled

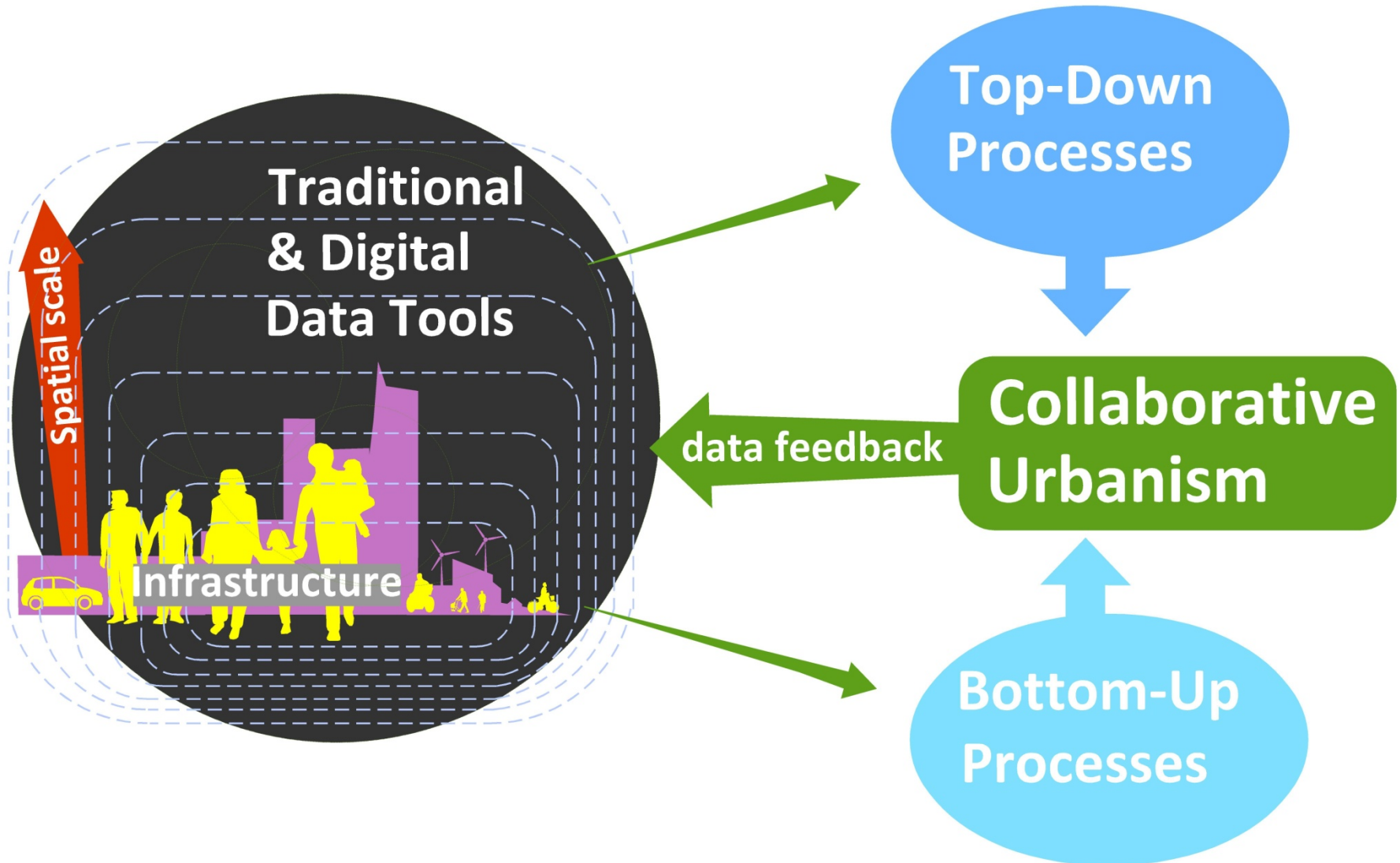
33%
reduction on embodied energy from buildings compared to typical building



more lights and cameras in dark alleyways



city centre for all ages



Traditional & Digital Data Tools

Top-Down Processes

Collaborative Urbanism

Bottom-Up Processes

data feedback

Spatial scale

Infrastructure

Conclusions and Priorities

- Capitalise on community capacity building to enable deeper citizen engagement and purposeful data collection
- Use citizen science to bridge the gap between scientific data collection and community shared values
- Manage data as a public good and promote data literacy to start conversations
- Champion evidence based design to enable more effective decision making in urban planning and design.
- Identify 'windows of opportunity' within existing regulatory frameworks to ensure value-based design guidelines are implemented in practice
- Digital tools provide useful 'tools in the toolbox', but should be considered as part of a suite of approaches
- Focus more on livelihood and livability by fostering public engagement and providing people centered solutions.

Acknowledgements

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