

mauri
ora
urban
wellbeing
research

transition to an
ecologically
regenerative,
zero-carbon
connected &
circular city.

BUILDING BETTER
HOMES, TOWNS
AND CITIES

hanga hiri kōwhiri hiri
whakamāhira hiri

transition tools can help communities effect positive change

MAI ORA HOIUNG DEVELOPMENT WELLBEING COMPASS

TRANSITION TOWARDS
REGENERATIVE ECOSYSTEMS &
CIRCULAR ECONOMY
COMMUNITY WELLBEING

WAKAPA HOIUSTIC WELLBEING CIRCLES

KINGA ORA REGENERATIVE BUILDINGS & HOUSING CIRCLES

- Localised renewable energy generation & storage, home &/or neighbourhood systems
- Living for less or carbon-neutral lifestyle with low embodied carbon materials
- More windows & less building green & blue to allow natural light and ventilation
- Energy efficiency
- Healthy indoor conditions & indoor moisture control
- Transparency & representation in design & decision making
- Community engagement
- Health & design
- More local & regional food connections, urban forests
- Cultural landscape markers & signage
- Development practitioners & organisations

WAIORA WAIORA GEN-COLLECTIVE CIRCLES

- More windows & less walling, high quality clad and water, cultural landscape materials
- Highly green & community infrastructure
- Ecological regeneration - windows & walls
- Greenhouse & ventilation systems
- Highly local & regional food connection, urban forests
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PAPA ORA ACRES OF CIRCULARITY CIRCLES

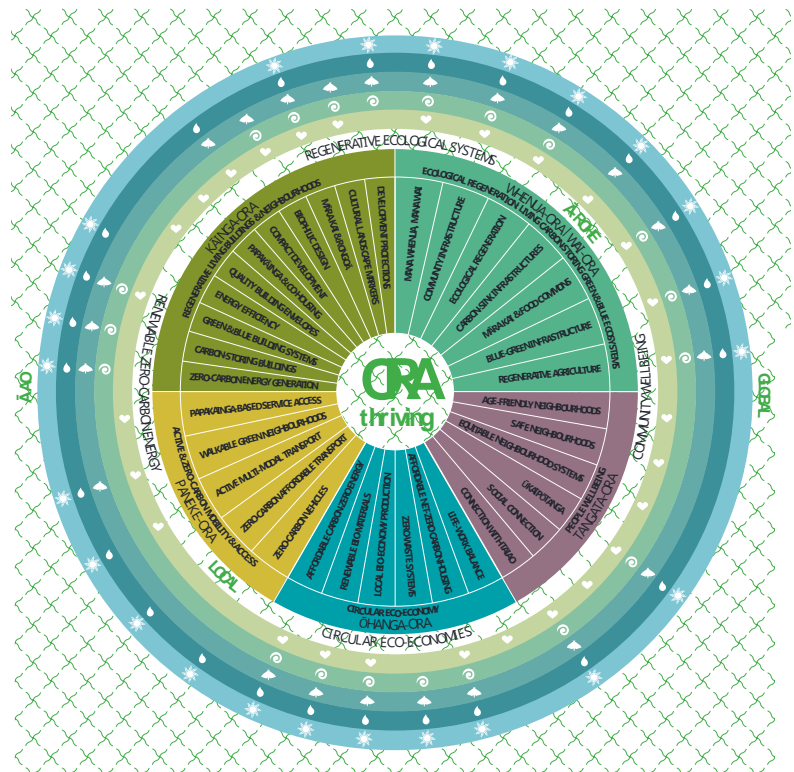
- Access to green spaces and outdoor activities
- Walkable green neighbourhoods
- Active multi-modal transport
- Low-carbon shared and public transport
- Low-carbon mobility

OHANGA ORA CIRCULAR ECONOMY CIRCLES

- Renewable generation energy
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TANGA ORA PEOPLE WELLBEING CIRCLES

- Health & connection with nature
- Social connection (spending more time in community settings)
- Knowledge & skills in the building ecosystem
- Highly local & regional food connection, urban forests
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nauri, whakapapa, whanaungatanga, nanaakitanga
MAI ORA PLANETARY WELLBEING

- WAIORA | BALANCED TEMPERATURE**
Climate resilience and adaptation strategies that reduce the impact of extreme weather events and ensure the health and well-being of communities and ecosystems.
- WAIORA | BALANCED WATER CYCLE**
Protecting and restoring natural water systems and ensuring the health and well-being of communities and ecosystems.
- PAPA ORA | CIRCULARITY**
Reducing waste and increasing the use of recycled materials to create a sustainable and resilient economy.
- MAI ORA | COMMUNITY WELLBEING**
Supporting and strengthening the health and well-being of communities and ecosystems.
- PAPA ORA | COMMUNITY WELLBEING**
Supporting and strengthening the health and well-being of communities and ecosystems.



what is
at stake?

IPCC climate change
report:

”a
liveable
... future
for all”

we
can't
do
BAU

things
need to
CHANGE

BUILDING BETTER
HOMES, TOWNS
AND CITIES

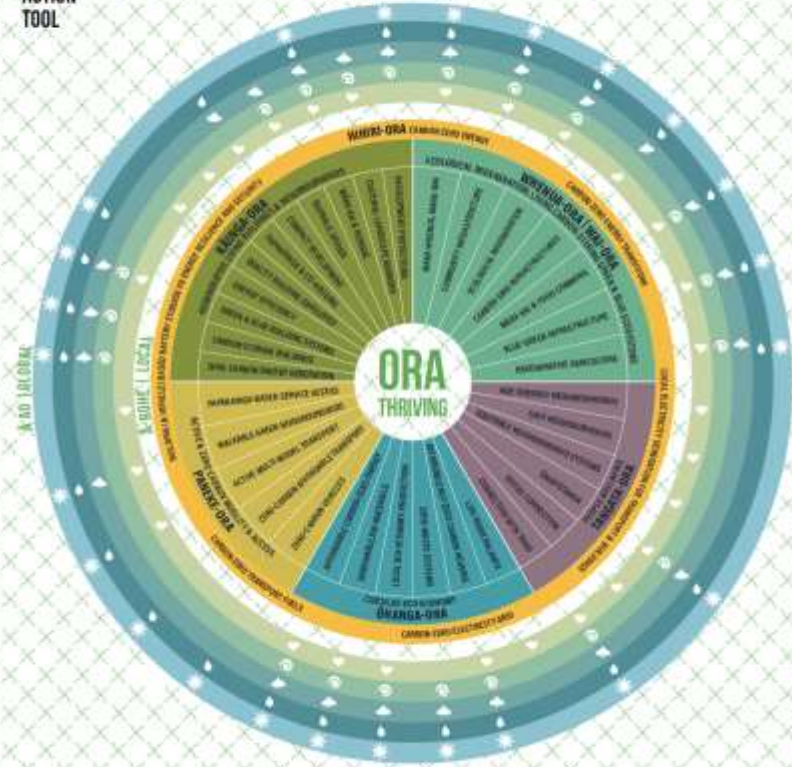
hōngā wā kōwhiri hiri
whakamāhoratanga

compass is a
circular
to-do
list for
change

NGA TOHU
MAURI ORA
COMPASS FOR
URBAN
WELLBEING

A TRANSFORMATIVE
ACTION
TOOL

- TRANSITIONS IN:
- 🟡 CARBON-ZERO LOCAL ENERGY
 - 🟢 CIRCULAR ECO-ECONOMIES
 - 🟢 ECOSYSTEM REGENERATION
 - 🟡 REGENERATIVE BUILDINGS
 - 🟠 CONNECTED COMMUNITIES



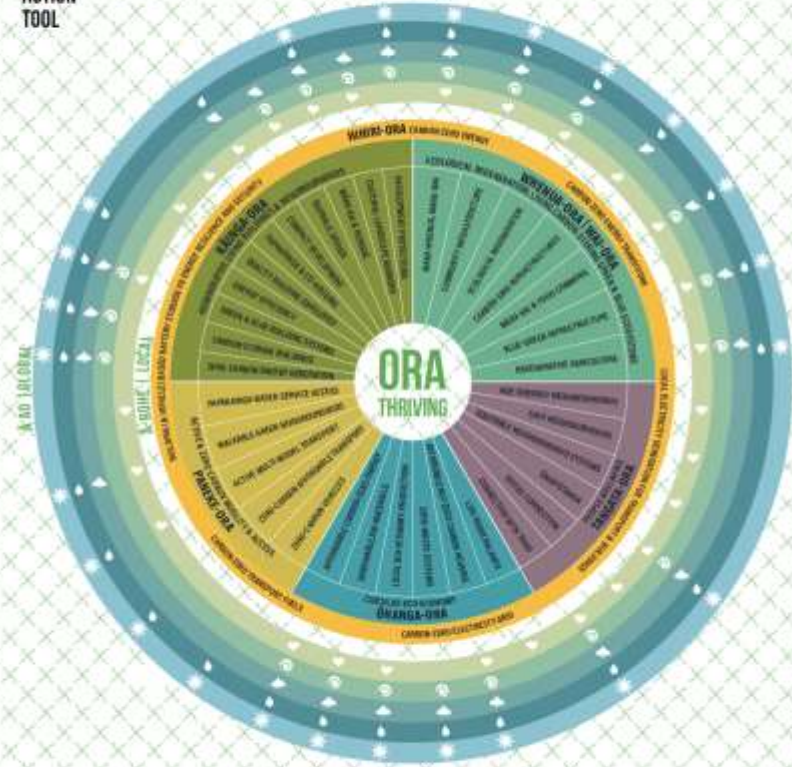
MAURI, WHAKAPAPA, WHANAUNGATANGA, MANAAKITANGA

planetary wellbeing [outer circles] as a key frame for urban policy & action

NGĀ TOHU
MAURI ORA
COMPASS FOR
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- TRANSITIONS IN:
- 🟡 CARBON-ZERO LOCAL ENERGY
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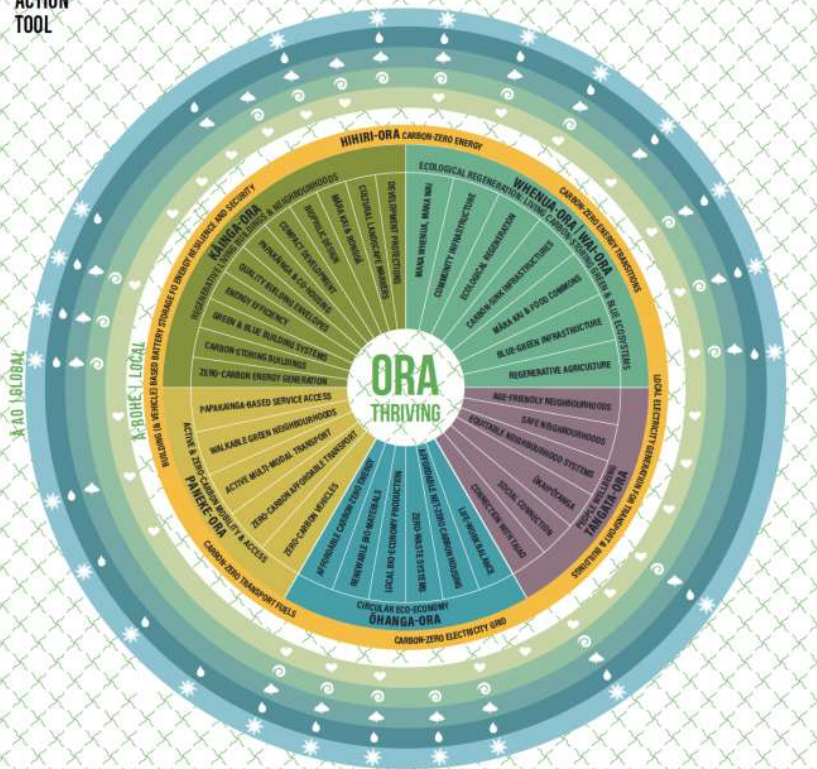


MAURI, WHAKAPAPA, WHANAUNGATANGA, MANAAKITANGA

NGĀ TOHU
MAURI ORA
COMPASS FOR
URBAN
WELLBEING

A TRANSFORMATIVE
ACTION
TOOL

- TRANSITIONS IN:**
- **CARBON-ZERO LOCAL ENERGY**
 - **CIRCULAR ECO-ECONOMIES**
 - **ECOSYSTEM REGENERATION**
 - **REGENERATIVE BUILDINGS**
 - **CONNECTED COMMUNITIES**



MAURI, WHAKAPAPA, WHANAUNGATANGA, MANAAKITANGA

TE TĀTĀU O TE ARAWA

PARTNER LOGO HERE

PARTNER LOGO HERE

CHECKLIST

WHAKA-ORA: HOLISTIC WELLBEING ACTIONS

- WHIRI-ORA: CARBON ZERO ENERGY**
- **CARBON-ZERO ENERGY TRANSITIONS**
 - **LOCAL ELECTRICITY GENERATION** for transport & buildings
 - Carbon zero electricity grid
 - Carbon zero transport fuels
 - Local potential, diverse, building based electrical generation
 - Building & vehicle based battery storage to energy systems and security

- WHIANGĀ-ORA | WHI-ORA: GREEN & BLUE ECOSYSTEMS**
- **Blue-green infrastructure** - enhancing the spacing of land and water, cultural, ecological restoration
 - **Regulate, green & community infrastructure** (open spaces, services)
 - **LOCAL ECOSYSTEM REGENERATION** (see ECOSYSTEM ORA - restore & live)
 - **Urban green infrastructure** (trees, green roofs)
 - **Carbon sink & methane capture** (see regenerative agriculture)
 - **Water risk & tropical, flood resilient green spaces**
 - **Blue-green infrastructure** (see regenerative agriculture)
 - **Regenerative agriculture**

- OHANGĀ-ORA: CIRCULAR BIO-ECONOMY**
- **Minimise zero carbon energy**
 - **Maximise the potential** (see food & low carbon materials)
 - **Local bio-economy production**
 - **Zero-waste systems** (see zero-waste design, resource recovery, energy recovery)
 - **Optimise** (see zero-carbon regenerative housing, energy health food)
 - **Energy loop & bio-waste** (bio-based zero-waste production)

- PANGĀ-ORA: ACTIVE & ZERO-CARBON MOBILITY**
- **Active living** (see wellbeing & community)
 - **Walkable, green neighbourhoods**
 - **Active multi-modal transport**
 - **Zero-carbon affordable public transport**
 - **Low-carbon vehicles**

- KANGA-ORA: RESILIENT LIVING BUILDINGS & NEIGHBOURHOODS**
- **Local zero-carbon energy generation & storage** (see local bio-economy)
 - **Energy not zero** or carbon storing buildings with low embodied carbon materials
 - **Maximise the potential** (see food & low carbon materials)
 - **Energy efficiency**
 - **Quality building systems & indoor environment control**
 - **Resilient, multi-generational living & co-housing**
 - **Climate adaptation**
 - **Resilient design**
 - **Water risk & tropical, flood resilient, urban wetlands**
 - **Cultural landscape markers & signage**
 - **Cultural landscape markers & signage**

- TANGĀ-ORA: PEOPLE WELLBEING**
- **Equitable & inclusive with care**
 - **Local connection** (see wellbeing & community)
 - **Resilient** - culture & cultural landscape connection
 - **Accessible, equitable neighbourhood systems** (health, education, justice)
 - **Neighbourhoods designed for safety**
 - **Child centred & age friendly neighbourhoods**

MAURI-ORA: PLANETARY WELLBEING

- MANGĀ-ORA | BALANCED TEMPERATURE**
- **Local connection** (see wellbeing & community)
 - **Resilient** - culture & cultural landscape connection
 - **Accessible, equitable neighbourhood systems** (health, education, justice)
 - **Neighbourhoods designed for safety**
 - **Child centred & age friendly neighbourhoods**

- WHI-ORA | BALANCED WATER CYCLE**
- **Local connection** (see wellbeing & community)
 - **Resilient** - culture & cultural landscape connection
 - **Accessible, equitable neighbourhood systems** (health, education, justice)
 - **Neighbourhoods designed for safety**
 - **Child centred & age friendly neighbourhoods**

- PAPA-ORA | ECO-DIVERSITY**
- **Local connection** (see wellbeing & community)
 - **Resilient** - culture & cultural landscape connection
 - **Accessible, equitable neighbourhood systems** (health, education, justice)
 - **Neighbourhoods designed for safety**
 - **Child centred & age friendly neighbourhoods**

- MARA-ORA | ECO-INTERTY**
- **Local connection** (see wellbeing & community)
 - **Resilient** - culture & cultural landscape connection
 - **Accessible, equitable neighbourhood systems** (health, education, justice)
 - **Neighbourhoods designed for safety**
 - **Child centred & age friendly neighbourhoods**

- HAPĀ-ORA (COMMUNITY WELLBEING)**
- **Local connection** (see wellbeing & community)
 - **Resilient** - culture & cultural landscape connection
 - **Accessible, equitable neighbourhood systems** (health, education, justice)
 - **Neighbourhoods designed for safety**
 - **Child centred & age friendly neighbourhoods**

- TE TĀTĀU O TE ARAWA**

- THE PINK ORA | REGENERATIVE ACTION LAB**

COLLABORATION OPPORTUNITY:

2. Rotorua urban wellbeing compass

- what are we seeking?
- guidance from Council
- agreement to
- collaborate on an urban wellbeing compass
- and a process for co-creation and operationalizing [co-creation workshops, guidelines etc]