

WED 29 | 11.00-12.30

KUA HUA TE MARAMA - CIRCULAR SYSTEMS



Circularising Organics Project

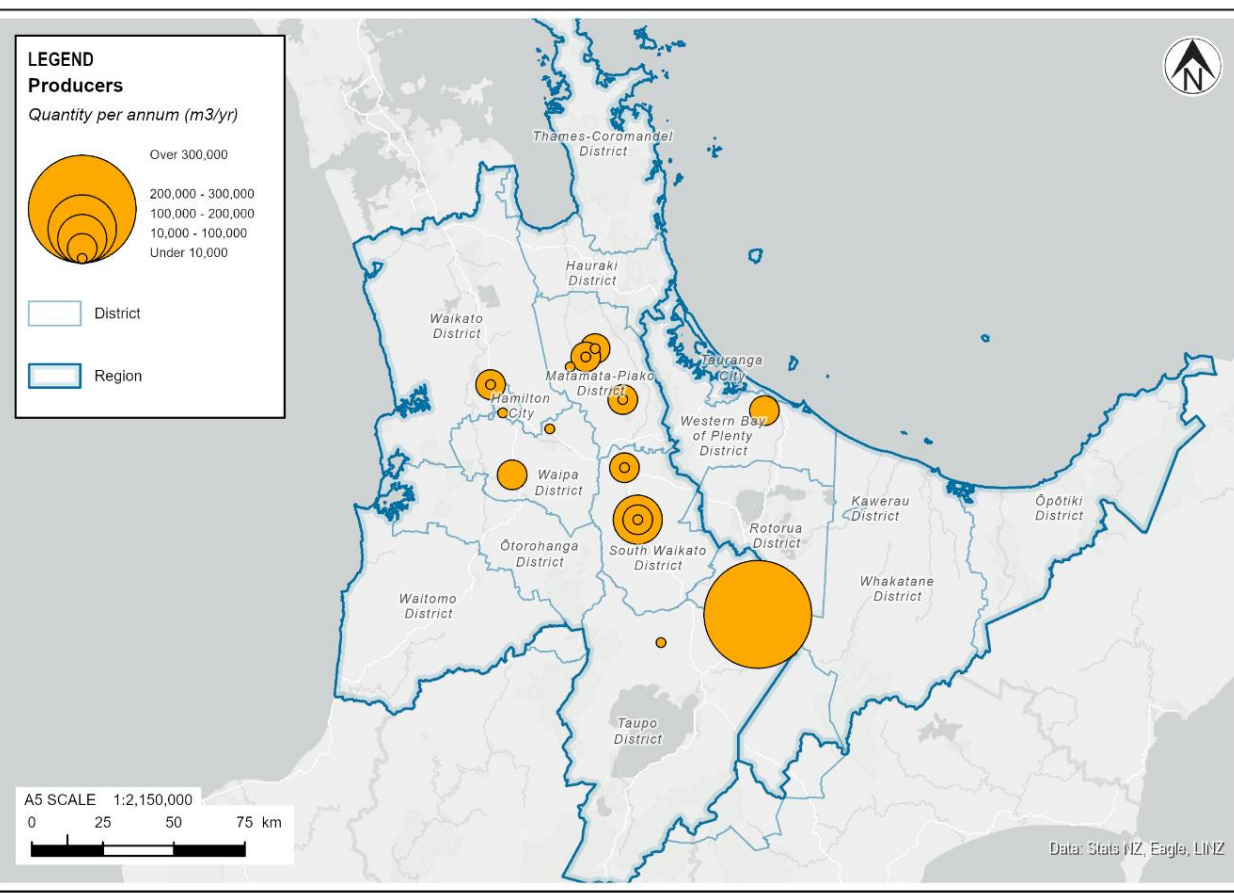
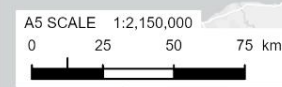
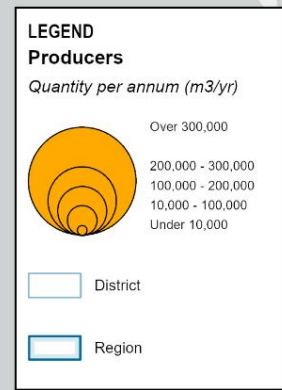
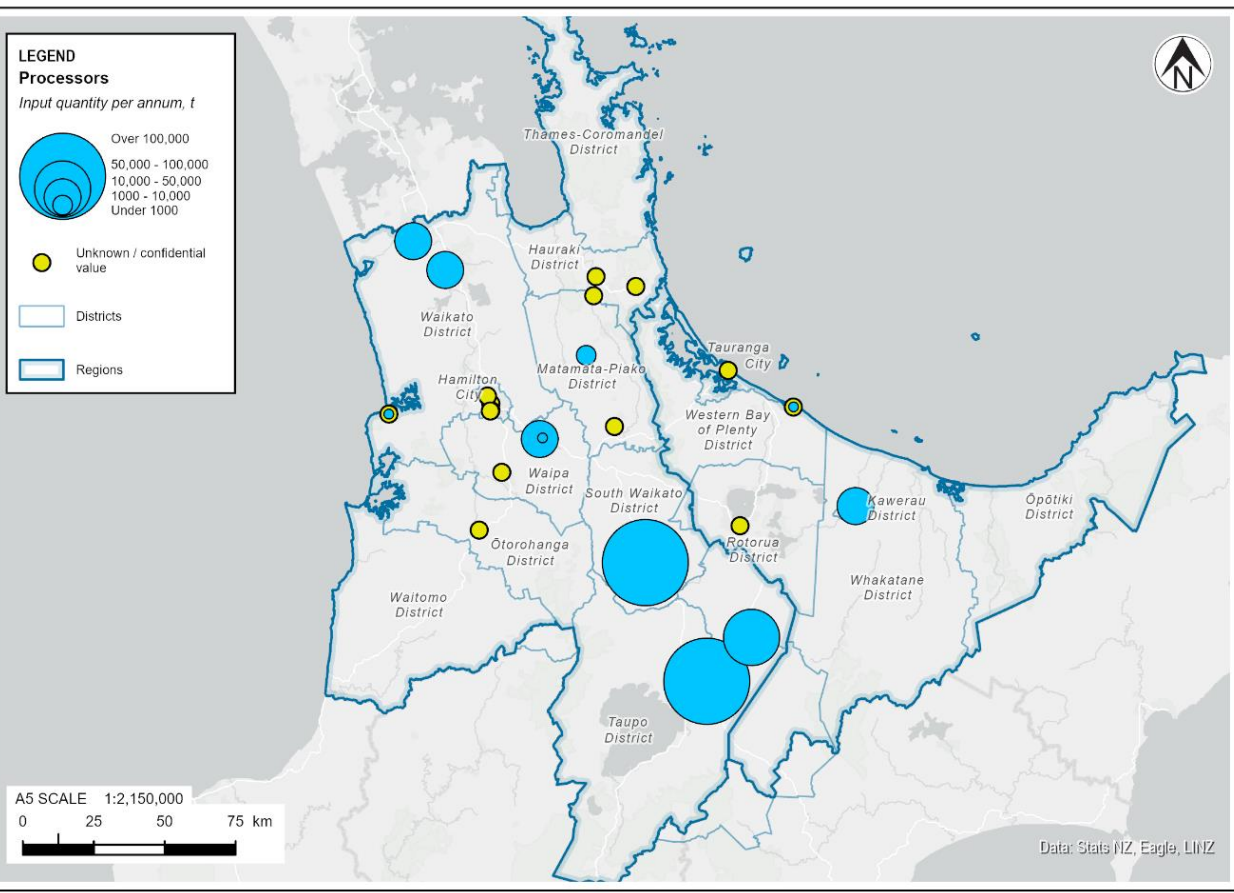
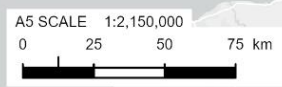
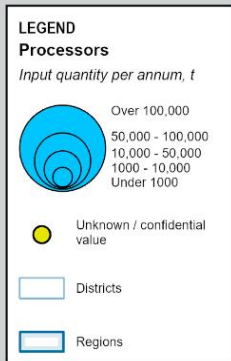
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Situation overview & Decision making support







Decision Making Tool

Supporting informed decision making for organic material processing



Introduction

This decision making tool has been developed as part of the Circularising Organics Project. This tool is designed to help council staff and decision makers navigate the decision making process on the appropriate management for organic materials. The logic contained in this tool complements the findings from the Circularising Organics project and should be used in conjunction with these reports to support individual decision making.

This decision making tool assumes that all measures to reduce organic materials at source have already been implemented and where suitable edible food rescue options have already been explored.

The Circularising Organics project was possible with funding from the Waste Minimisation Fund, which is administered by the Ministry for the Environment as well as funding from the Waikato Wellbeing Project. The Ministry for the Environment and the Waikato Wellbeing Project do not necessarily endorse or support the content of the publication in any way.

Instructions

1. Start at 1. Material Collection and fill in the dropdown options from top to bottom.
2. Continue onto 2. Processing approach and fill in the dropdown
3. Finally, go to 3. Processing markets. The dropdown selection will be pre-filled and the same as step 2.
4. For any other considerations see the relevant Considerations page

Note: If you want to clear all the options from a page, click the 'Clear all options' button

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1. Material Collection



Step 1: What are the materials you are considering to collect?

Food & Green Materials

Complementary material streams

Timber (bark and sawdust)

Clear all options

Step 2: What is the source of materials?

Households

Considerations for material source

There is an opportunity for households and smaller commercial facilities to consider the use of local drop off locations, hub style facilities and/ or milk run based collections (small scale commercial for example offices). Note these are likely to be limited in the volume of organic materials which can be accepted and may be part of a wider network of drop off facilities, hubs and/or milk run based collections for the bringing together of organic materials close to their source.

Step 3: Are there any complementary material streams available for collection?

Timber (bark and sawdust)

Considerations for material source

Depending on the source of organic materials, it may be that other organic materials are required to be introduced by processors to support efficient processing. It is important for the right mix of organic materials and it may be that other complementary materials are required and/ or a bulking agent for example may be required. This is usually a consideration for the processor, however it is still an important consideration at this stage, given that you may also be/ know of complementary materials which are suitable.

Additional streams that may improve anaerobic digestion performance, efficiency or gas yield, where anaerobic digestion is proposed.

Additional streams that may improve product (compost, vermicompost) characteristics e.g. nutrient content/mix.

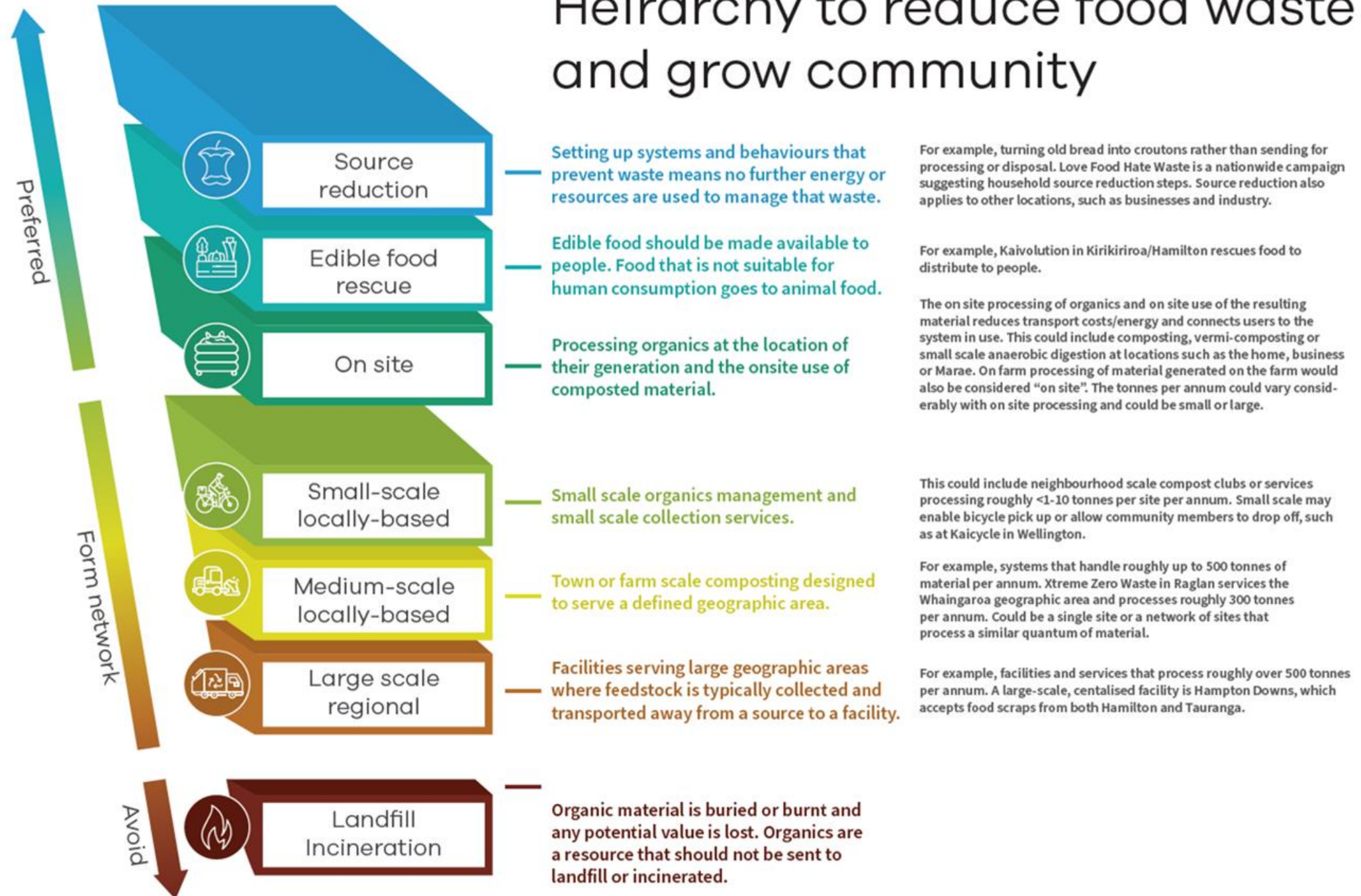
Reflections

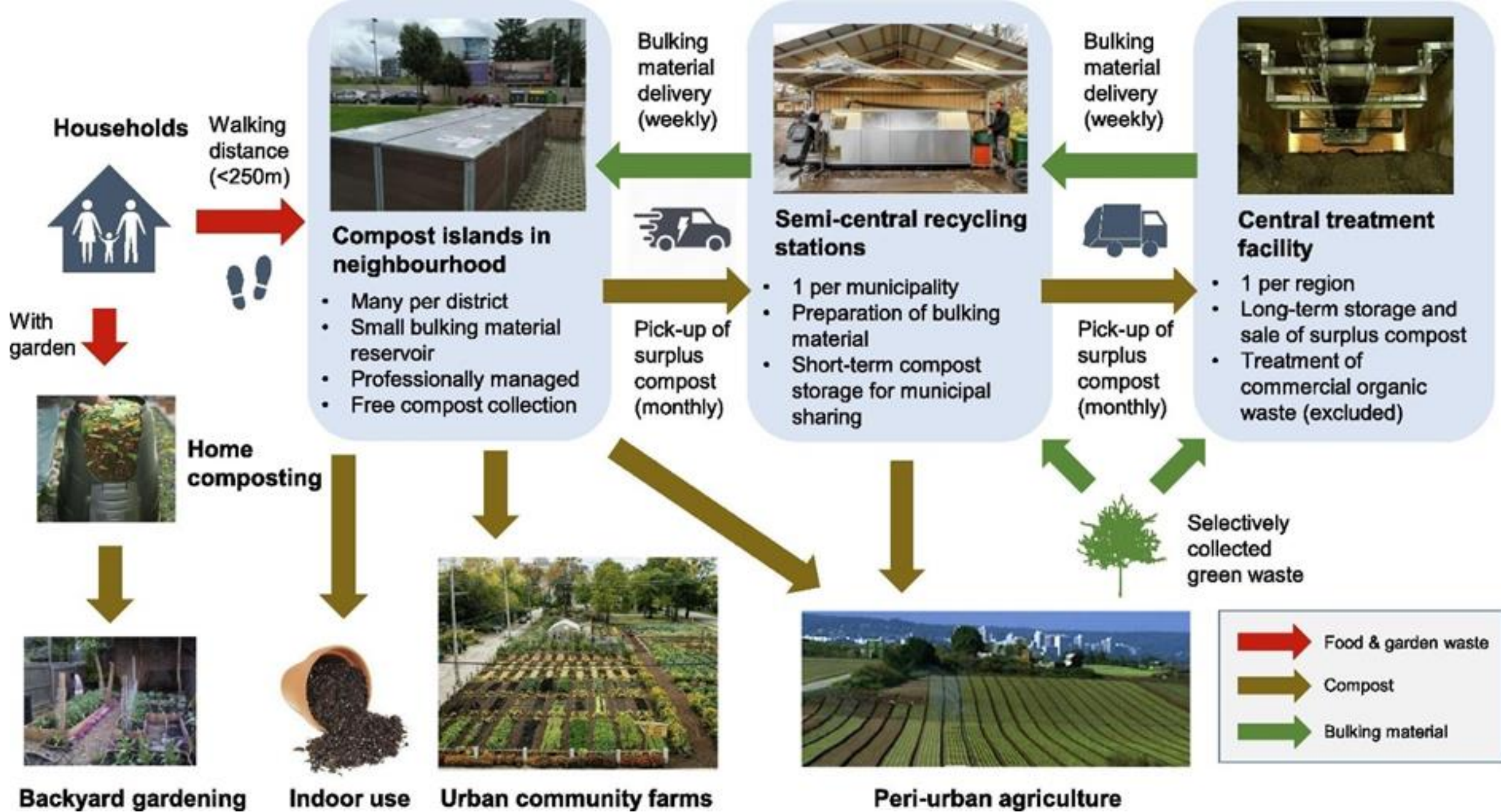
- Take a broad perspective - consider the system, don't take a singular or narrow view.
- Chase value not diversion.
- Anticipate changing the way you approach issues/possibilities as you work with others.

Literature Review on contamination

Centralised vs Localised process

Hierarchy to reduce food waste and grow community

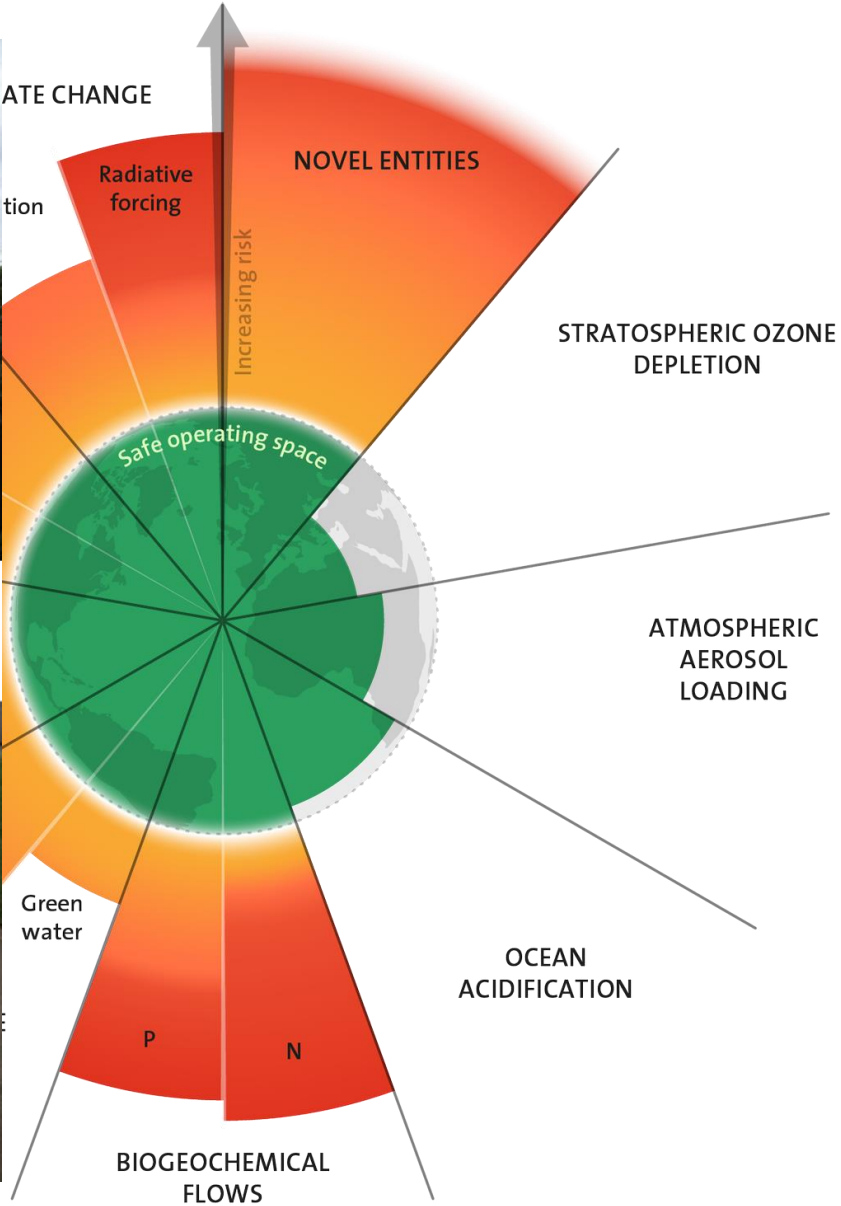






FOOD AND GARDEN ORGANICS
Best Practice Collection Manual

Prepared for the Department of Sustainability,
Environment, Water, Population and Communities



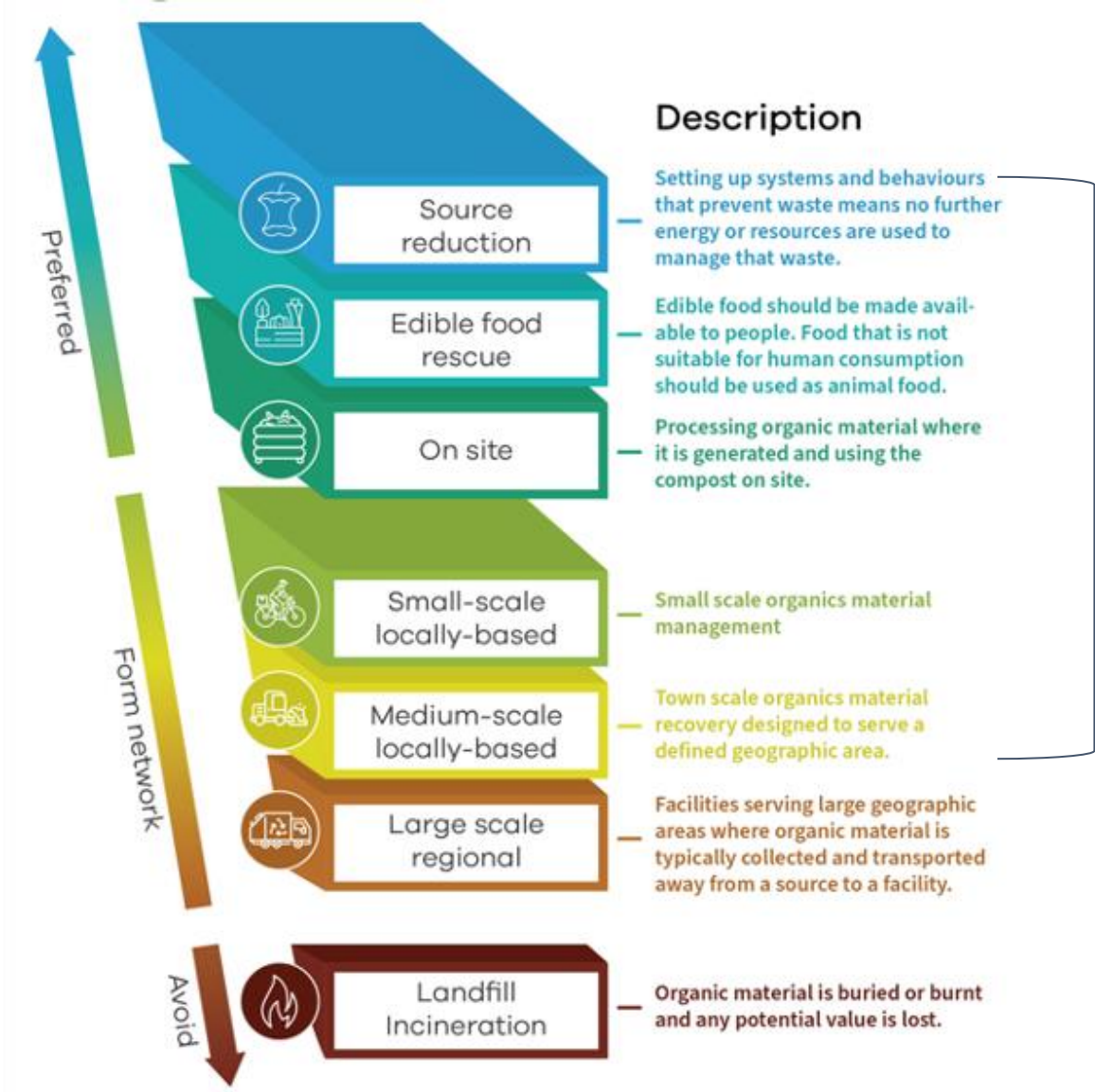
Understanding the role of community in the collection and processing of organic waste

Methodology & Participants

20
Participants

Experienced
and
operating

Community
Enterprises
Businesses
Charities
Schools



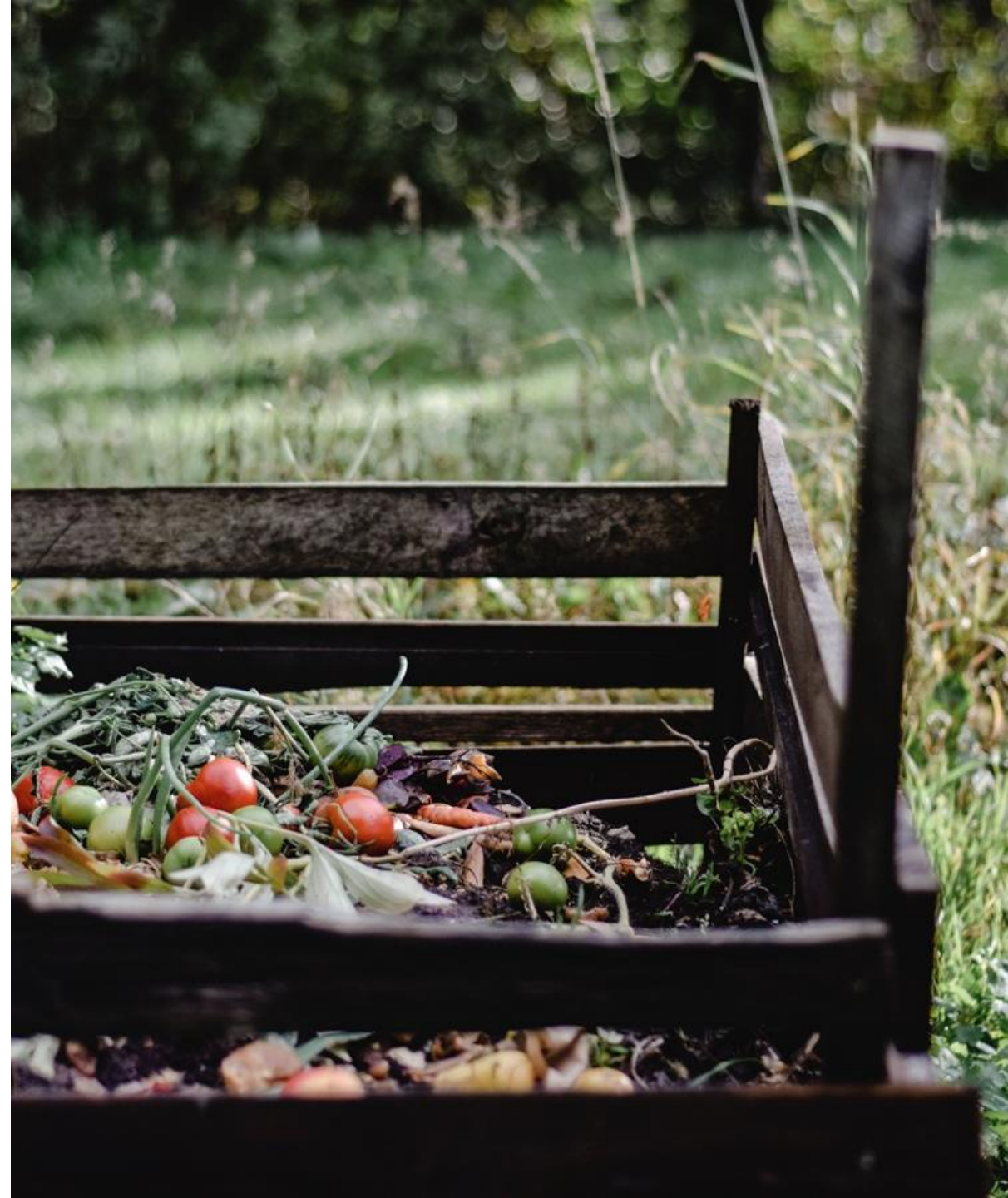
Majority OSMS

Prevention & behaviour change key driver for most

Figure 1: An organic material processing hierarchy

Key takeaways

- Active and passionate community
- Localised model critical for food security, sovereignty and regeneration
- Opportunity to scale out using existing networks – CRRCs, Schools, Community Centres
- Integrated with kerbside collection / larger scale facility
- Social, cultural, environmental and economic outcomes to underpin the model



Recommendations

- Engage with experienced organisations who have a vision for a regional circular economy
- Review, amend and introduce regulation / bylaws that encourage community participation
- Remove resource consenting / zoning constraints & make the process accessible
- Upskill existing council staff and recruit staff that have expertise
- Provide funding for operations
- Implement a social / sustainable procurement strategy



Thank you



Ministry for the

Environment

Manatū Mō Te Taiao

| **Waste Minimisation Fund**



**Waikato
wellbeing
project**

| Hinonga
toiora o
Waikato

Thank you for the financial support for this project, which has been received from the Waste Minimisation Fund, which is administered by the Ministry for the Environment. The Ministry for the Environment does not necessarily endorse or support the content of the publication in any way . Thank you also for the financial support received from the Waikato Wellbeing Project.

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