A wide-angle landscape photograph showing rolling green hills in the foreground and middle ground. A thick layer of white fog or mist fills the valleys between the hills. In the distance, a coastal town and the ocean are visible under a clear blue sky. A bright sun is positioned in the upper right corner, creating a lens flare effect.

**A Circular Economy:  
The Future is Now, Let's Shape It**





# EARTH OVERSHOOT DAY



# Linear vs Circular Economy

## Linear Economy



Technical & biological materials mixed up

Energy from finite resources

Cradle to *Grave*

*Waste* to Landfill

*Single* use - Disposable

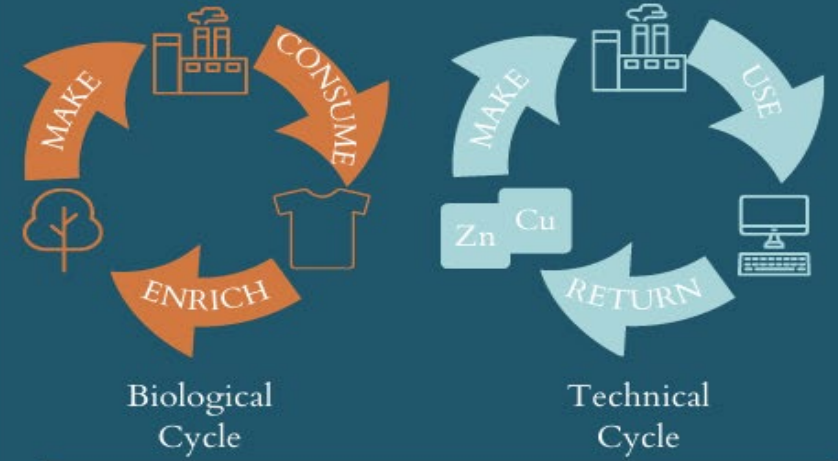
Thinking in *silos* - eg: GDP, \$\$

Short term *efficiency*

Powered by *fossil fuel*

Revenue = Volume + *Consumption*

## Circular Economy



Energy from renewable sources

Cradle to *Cradle*

*Design* out waste

Cascade - multiple *cycles*

Thinking in *systems* - eg: SDG, IR

Long term *Resiliency*

Powered by *Renewables*

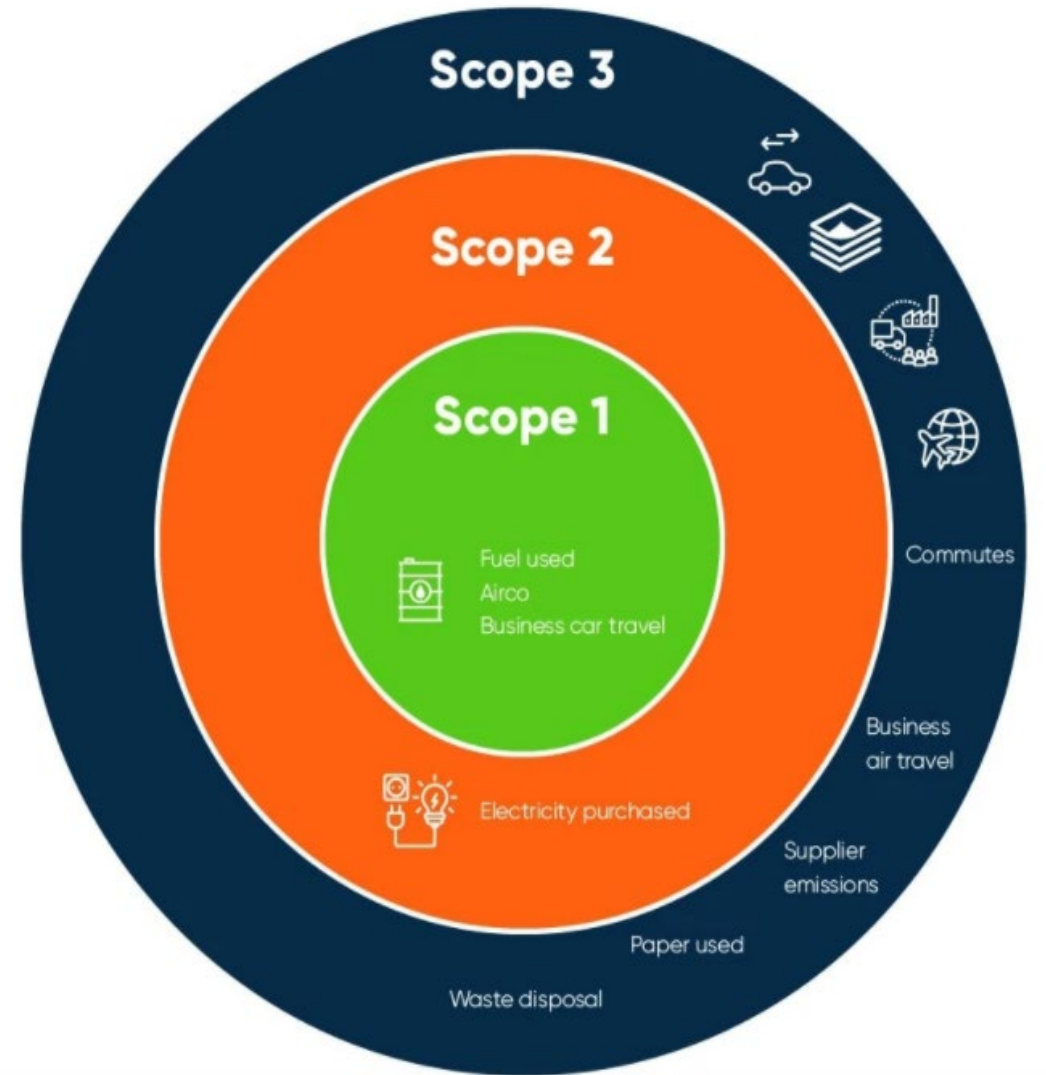
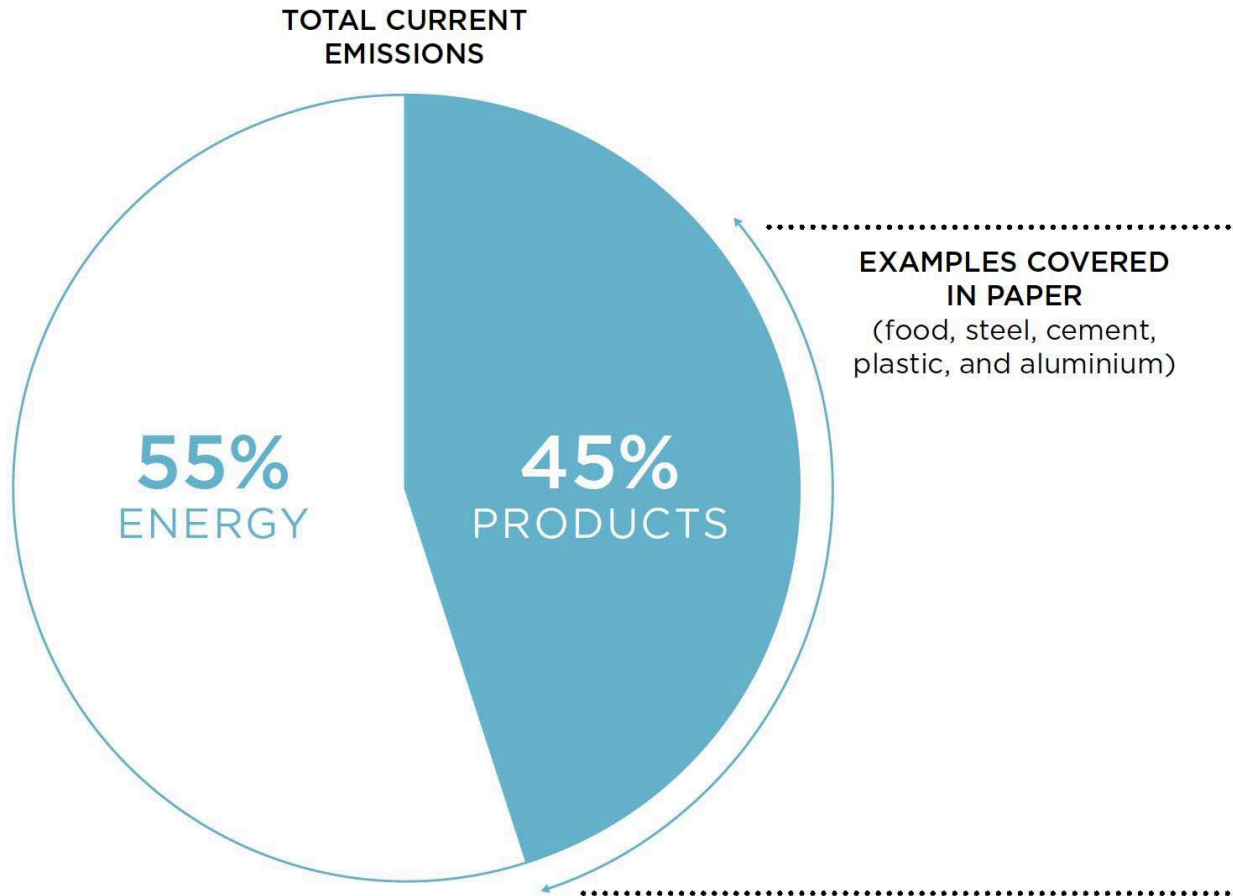
Revenue = Value + *Performance*

# Come back stronger by adopting circular economy principles

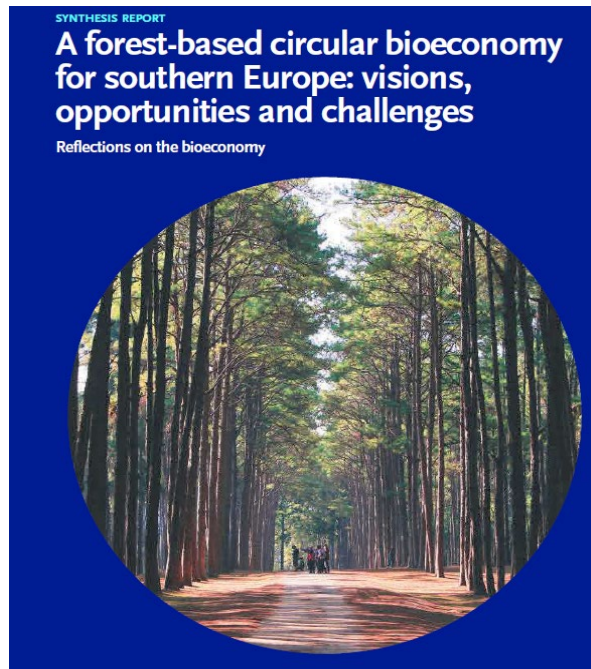




## COMPLETING THE PICTURE: TACKLING THE OVERLOOKED EMISSIONS









earthscan  
from Routledge

# Circular Cities

A Revolution in Urban Sustainability

Jo Williams

Routledge Studies in Sustainability

## THE TRANSITION TO CIRCULAR CITIES



# Circular Economy Guidebook for Cities



## Malaysia's Circular Cities Blueprint

A vision and action plan to inspire transformation

## Adaptive Circular Cities

Design principles for health-supporting green infrastructure



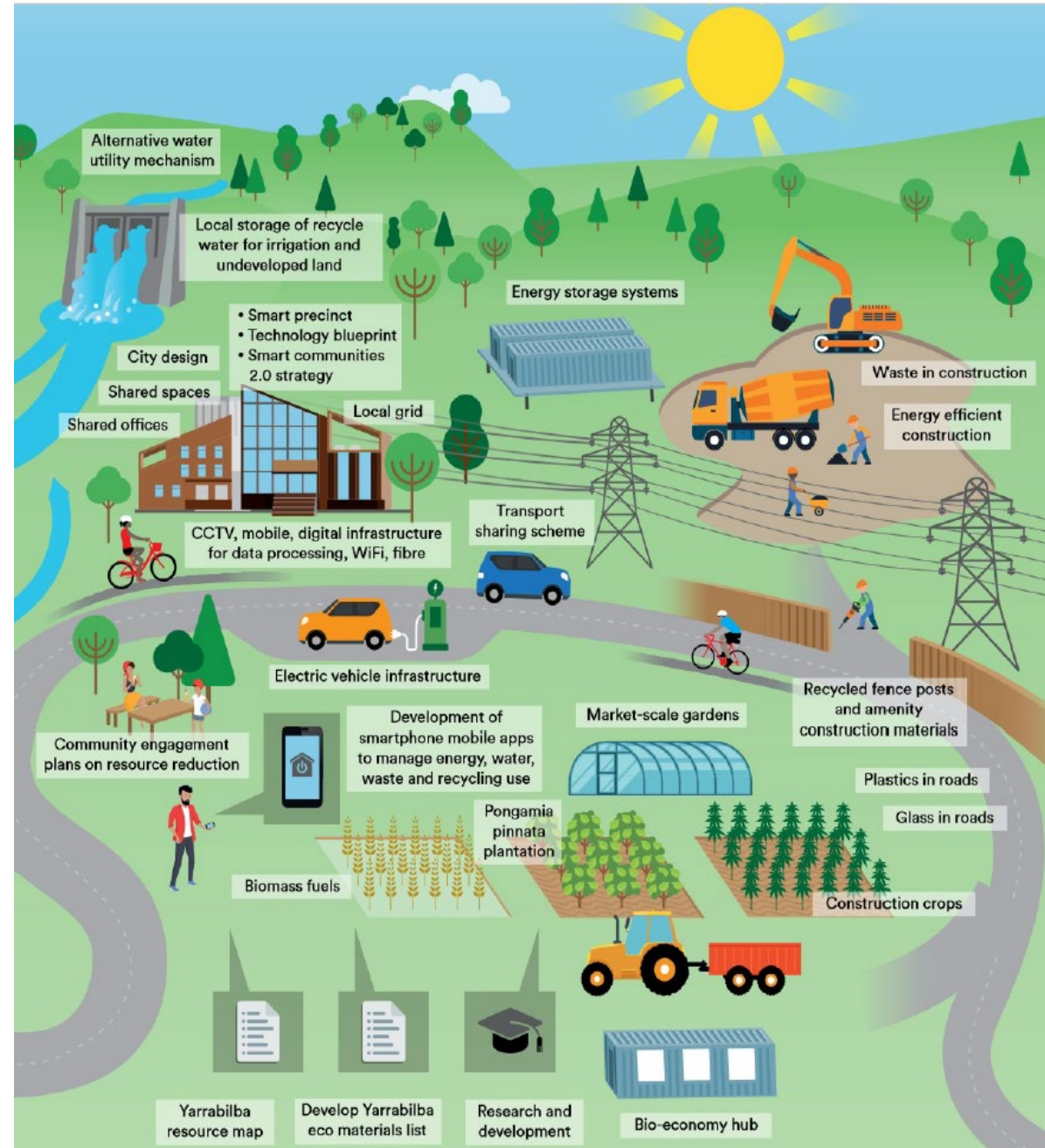




“

Yarrabilba will be Australia’s first circular economy community that integrates social, economic and environmental values to provide a dynamic and empowered community that fosters sharing, access, connection, diversity and control.

”





# Meet the world's first 'minister for future generations'

The Welsh government has given Sophie Howe statutory powers to represent people who haven't yet been born



# National Drivers

## OUR GOALS

Aotearoa has a circular economy with a thriving bioeconomy by 2050.

## Te hau mārohi ki anamata

Towards a productive, sustainable and inclusive economy

AOTEAROA NEW ZEALAND'S  
FIRST EMISSIONS REDUCTION PLAN



# Te rautaki para Waste strategy

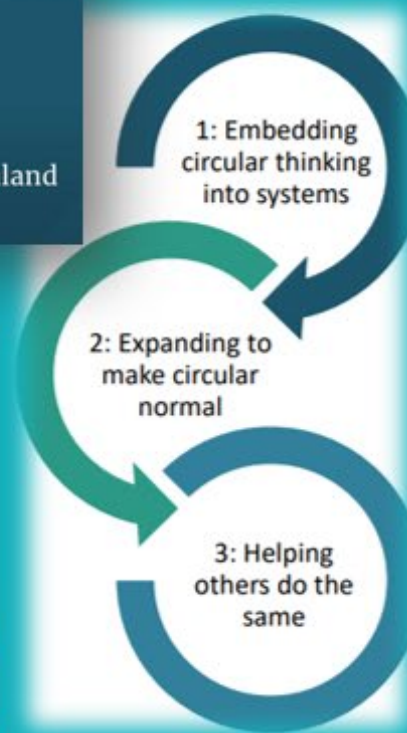
Getting rid of waste for a circular Aotearoa New Zealand

## Advanced Manufacturing Industry Transformation Plan

Consultation Draft – Thematic Workshop

Priority 5: Creating a leading sustainable circular net-zero emissions sector

# Circular economy and bioeconomy Strategy



NEW ZEALAND  
INFRASTRUCTURE  
COMMISSION  
Te Waihanga

# Rautaki Hanganga o Aotearoa

New Zealand  
Infrastructure Strategy

Moving to a Circular Economy is one of 5 key focus areas – including strengthening partnerships with Māori

Significant MBIE RFP underway looking at 4 key workstreams:

1. Emissions impacts of transitioning to CE
2. barriers and incentives to catalyse change
3. international policy/reg instruments
4. digital tools including twins.

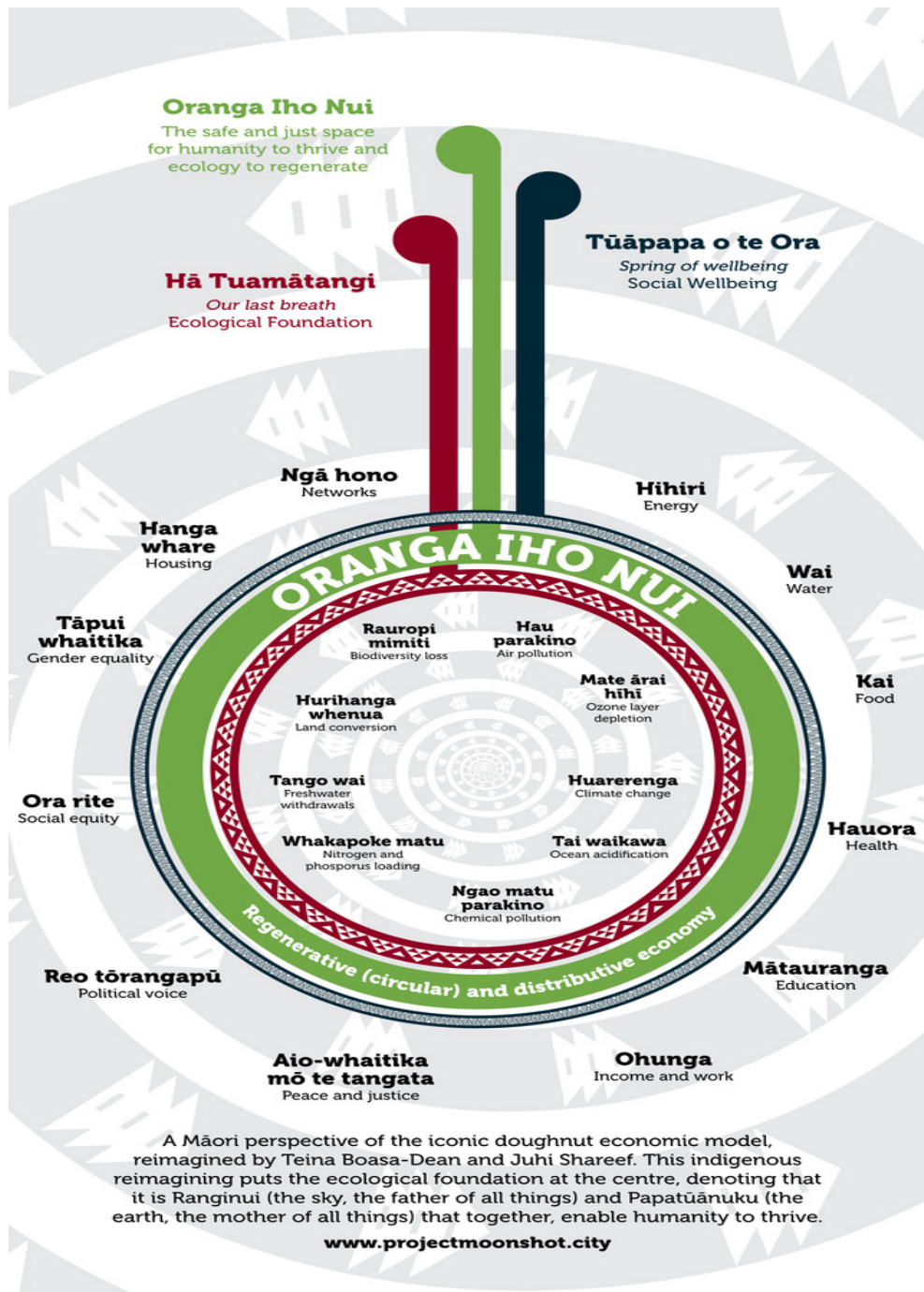


## Our Goals

Aotearoa has a circular economy with a thriving bioeconomy by 2050

**Circular - 106 mentions in the ERP document**

Commence	Commence a circular economy and bioeconomy strategy
Move	Move to a more circular public sector
Enable	Enable Māori to shape & benefit from transition to a circular economy and thriving bioeconomy
Integrate	Integrate circular practices across government, communities and businesses
Support	Support businesses moving to circular economy models
Investigate	Investigate a circular economy hub
Accelerate	Accelerate sustainable and secure supply and uptake of bioenergy in Aotearoa
Co-create	Co create “circular missions” or climate innovation platforms that use mission-led innovation



# Ōhanga āmiomio Circular economy



Ministry for the Environment  
Manatū Mō Te Taiao



A circular economy for the wellbeing of Aotearoa New Zealand