

Circularity

2023

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AUSTRALIAN
CIRCULAR
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PLANET ARK

20 NOV | 3:10 - 4:10 PM

Indigenous Knowledge & Perspective of Circularity: Philosophy, Practices, Solutions

Moderator



Racquel Kerr
GHD



Damien Melotte
Good Human



Paul Paton
Federation of Victorian
Traditional Owner Corporations



Hayden Heta
Wamarra



Liz Allen
Liz Allen Consulting

The Indigenous Doughnut

Country Centred Circular Economy Framework

Paul Paton and Damien Melotte.



Indigenous Doughnut implementation example

Hayden Heta.





VICTORIAN TRADITIONAL OWNER NATIVE FOOD AND BOTANICALS STRATEGY



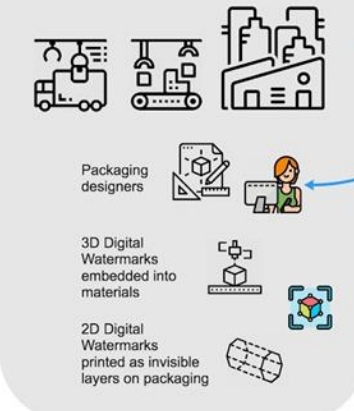
PREP FMCG Packaging Recycling Ecosystem

Integrated Holy Grail pilot learnings - 2D and 3D Digital Watermark technology.

KEY



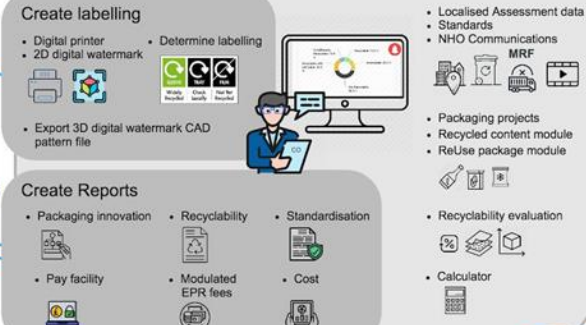
Packaging producers



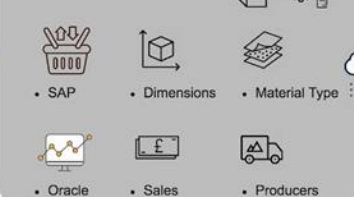
Big Brands / Producers



PREP Packaging Recycling Evaluation Portal



Packaging Data



Digital twins

Digital Watermarks provide accurate product usage and recovery analysis - thus scenario planning can be confidently exercised.

Customers



Materials Digital Marketplace



NHO National Host Organisation



Materials Recycling



MRF Materials Recovery Facility



WEEE

3D Digital Watermarks could be molded into the surface of Electronic and Whitegoods products enabling easy post use management.

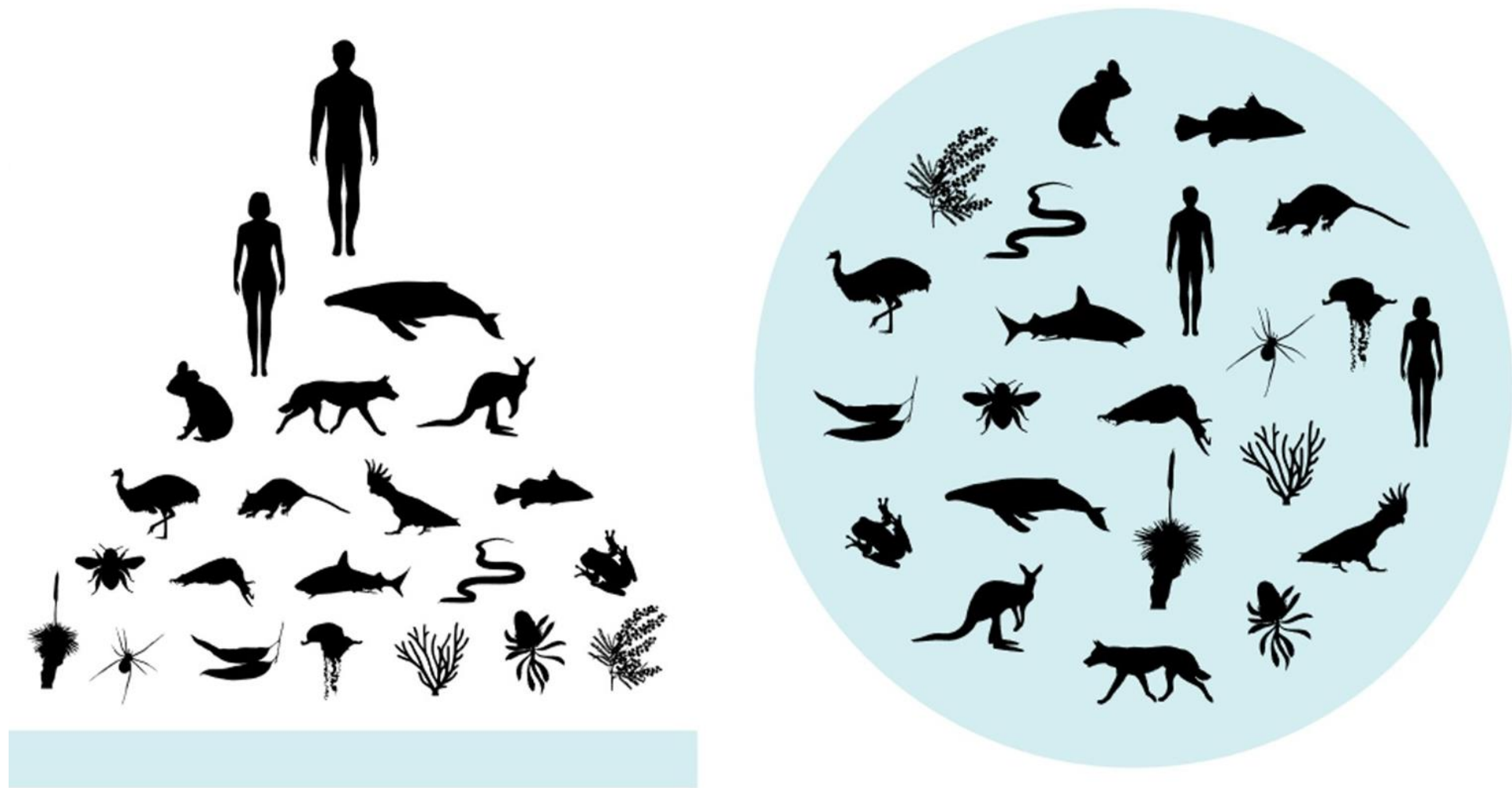


Other Products Recycled



Recycling and Collection

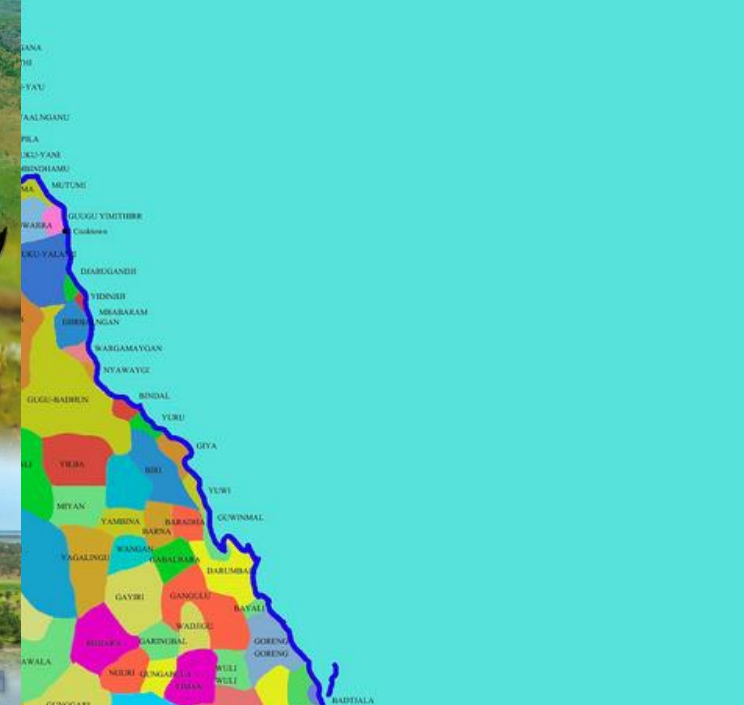




Moving from
Human-centred

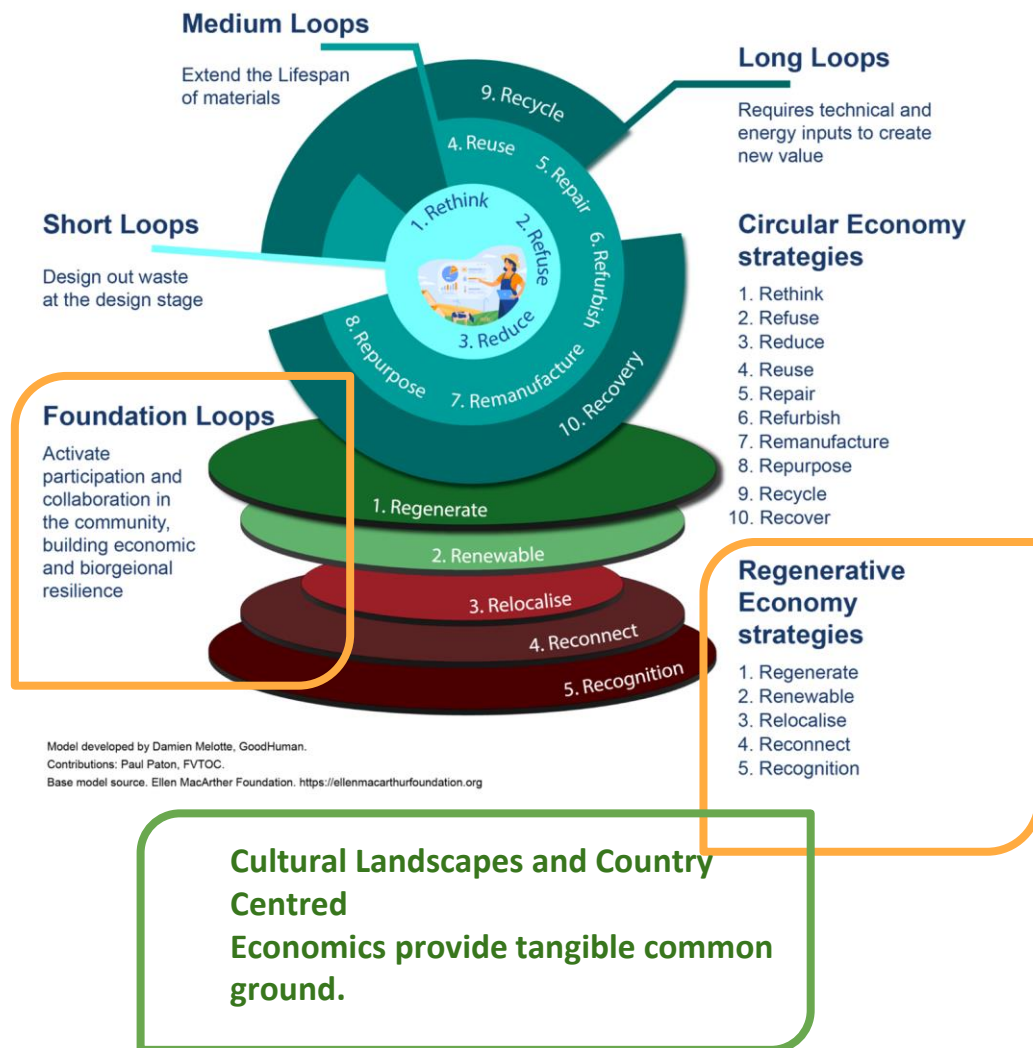


to
Country-centred
approach



First Nations Circular Economy Leadership potential

Activating the Circular Economy in Regional Victoria



Cultural Landscapes hold values associated with our unique history and knowledge. They reflect our network of relationship between human and non-human animals, plants, ancestors, song lines, physical structures, trade routes and other significant cultural connections to Country.

A living Bio-Cultural Landscape is Country Centred Circular and Regenerative Economics.



What is an Indigenous Doughnut? Our intent.

The Indigenous Doughnut is a Country Centred Circular Economy (CC-CE) model. The indigenous doughnut draws on millenia of learnings of managing, living and thriving on Country.

“It has been created to enable a better understanding that our relationship with Country over generations gives us knowledge and authority to give guidance about incorporating the connection and care of Country principles into circular and regenerative economy practice.” Paul Paton July 2023

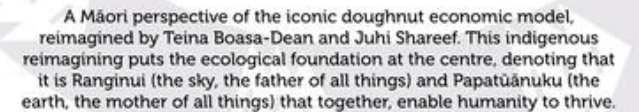
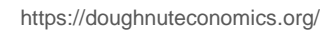
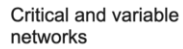
We invite wider Australia to ‘Walk together’, to care for Country and to build a thriving, restorative and resilient economy that can benefit all.

The Indigenous Doughnut is a CC-CE model that can be:

1. Adapted, translated and utilised by local Traditional Owners, to suit their Country, Culture, Language, Community and Economic priorities.
2. Utilised by all Australian Businesses, Government Agencies and Partners to ‘Walk together’.



Relationalist Ethos

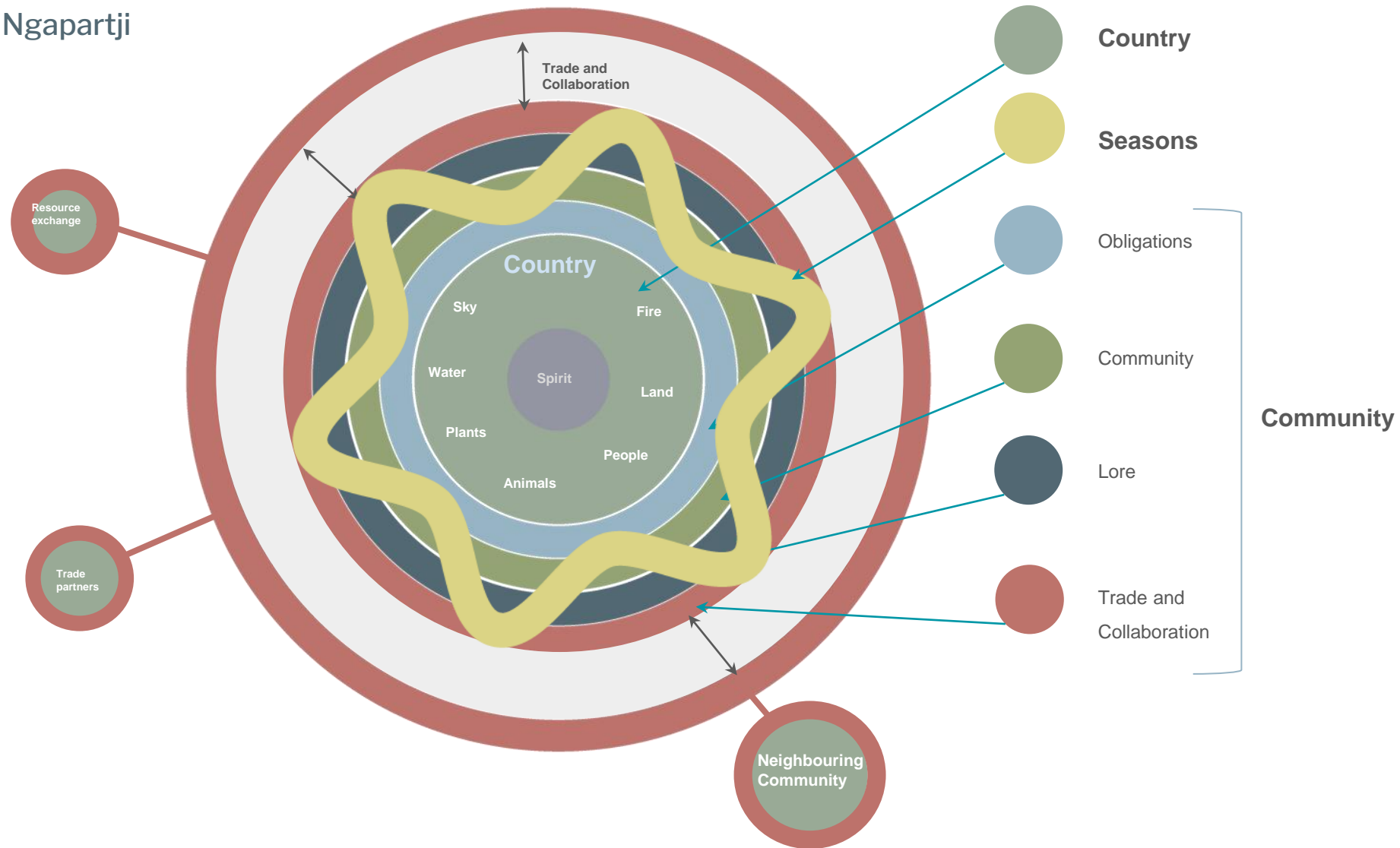


www.projectmoonshot.city

The Indigenous Doughnut. Country Centred Circular Economy, CC-CE.

Care for Country and it will care for you.

Ngapartji Ngapartji



The Country Centred Circular Economy 'S' Strategies.

Care for Country and it will Care for you.

Participate
caring for
Country

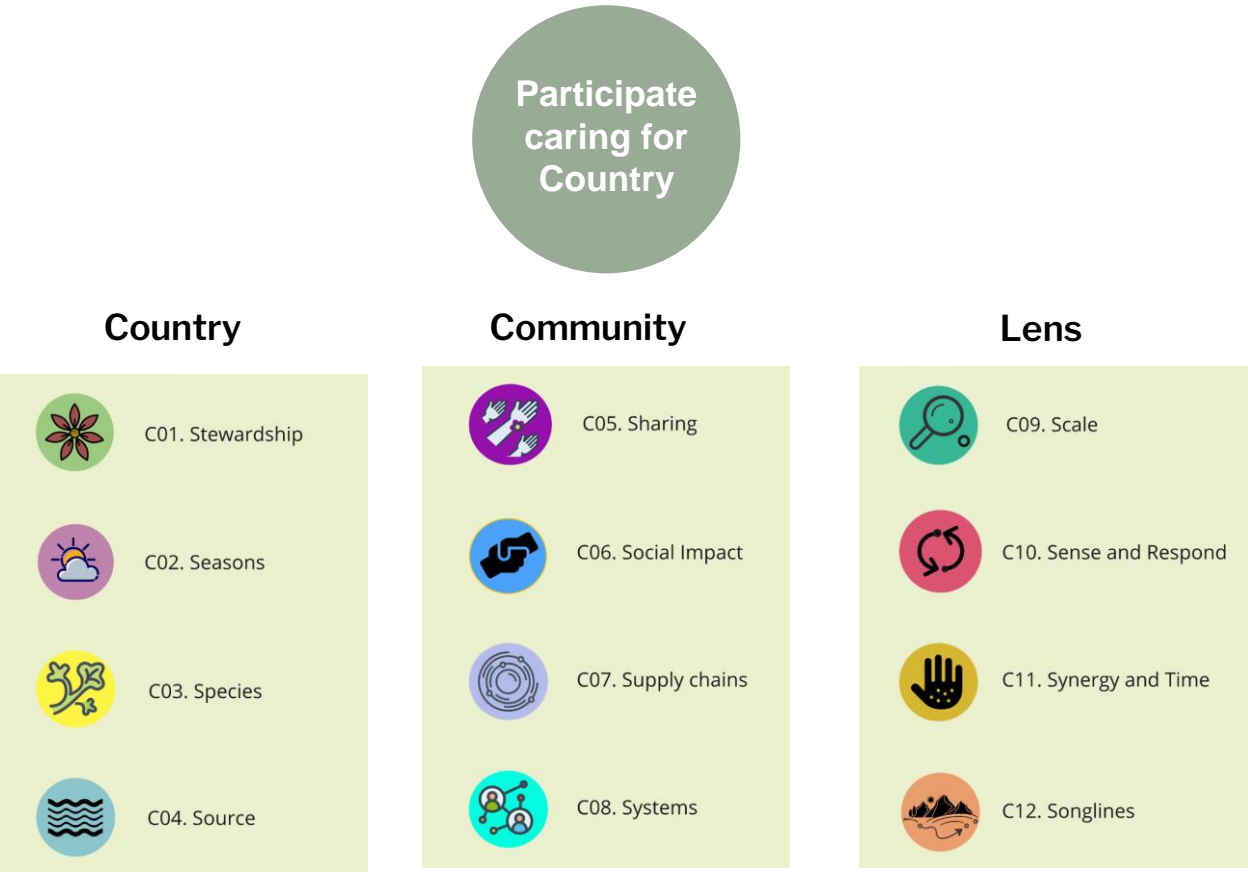
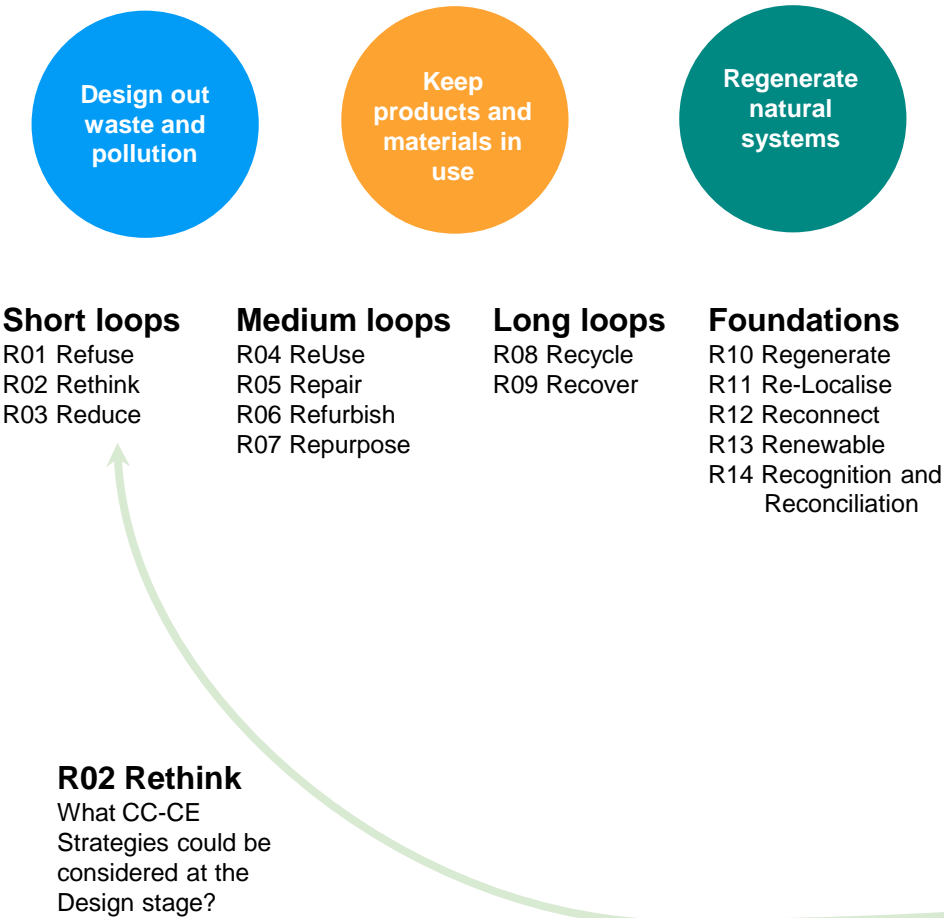
- C01. Stewardship** - An obligation to care for Country. Not to be cruel. Moderate use of resources.
- C02. Seasons** - Understand Seasonal indicators and considerations.
- C03. Species** - Know local Species and ecosystem relationships. Local species as Participants.
- C04. Source** - Identify indigenous sustainable Sources. E.g. Original water tables.
- C05. Sharing** - Sharing and Reciprocity. E.g. Share abundant seasonal crops with neighbours.
- C06. Social Impact** - Actions that contribute to societal well-being.
- C07. Supply chains** - Sustainable, regenerative, fair and transparent supply chains.
- C08. Systems** - Systems not Silos. Develop collaborative business systems.
- C09. Scale** - How does it operate on Country at different scales? Macro, Meso and Micro.
- C10. Sense and Respond** - Feedback Loops. Capture and respond to real needs.
- C11. Synergy and Time** - Take a broader and longer view of time. Yesterday, Today & Tomorrow.
- C12. Songlines and Stories** - Respect Cultural knowledge and Lore. Seek publicly available information.

Enhancing Circular Strategies with CC-CE

The Country centred circular economy strategies have been developed as a complementary strategic layer that can be utilised to enhance the 14R's

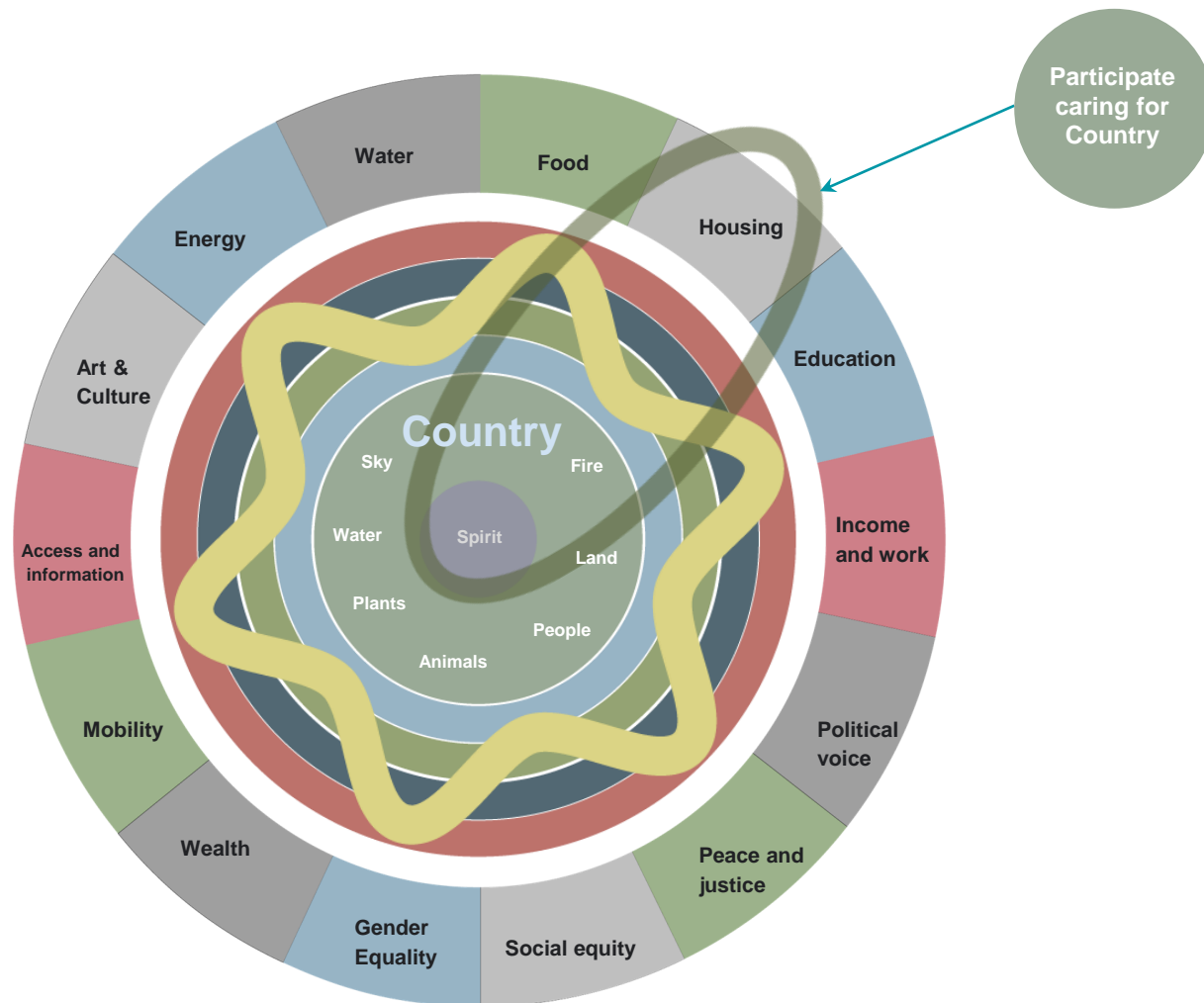
Circular and regenerative strategies - the 14R's

Country centred circular economy strategies - the 12S's



Participation in caring for Country - *Walking together*

Participating in the Care of Country is at the heart of *the Indigenous Doughnut* model. Building on Circular and Regenerative Economy strategies, the 12 CC-CE 'S strategies' can be used as guides to 'Walk together' and can be considered when designing, refining and redesigning partnerships, products and services.



The Participation Loop is a bridge that spans all the elements of a dynamic systems interplay on Country.

How might we develop better affordable Housing with Country centred circular economy considerations in Gippsland?

Country considerations:

C01. Stewardship. Restore biodiversity in construction. C02. Seasons. Pre Spring. Mid-July and August. Colder but drier, good for modular building installation. Good planting season to restore plants on construction site.



Community considerations:

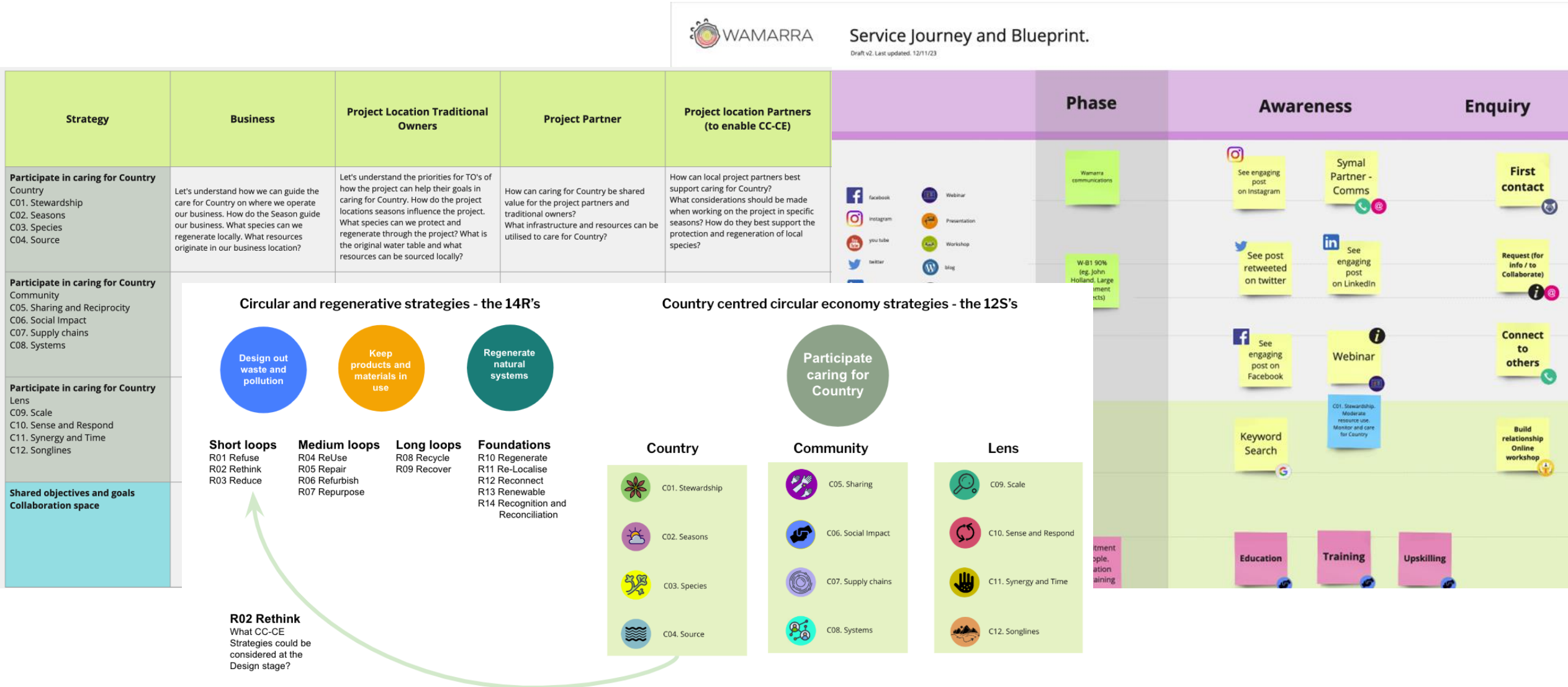
C05. Sharing. A central shared courtyard for 5 family groups to grow and share food. C06. Social impact. Secure green play space for children, shared care = more ability to work.

Community considerations:

C07. Supply Chains. Large amounts of rough sawn ironbark are in storage at the closed mill. How can we repurpose this for walkways and connecting infrastructure between the modular units?
C11. Synergy and time. Ironbark durability rating 1. 50+ years.

CC-CE Implementation - Walking together

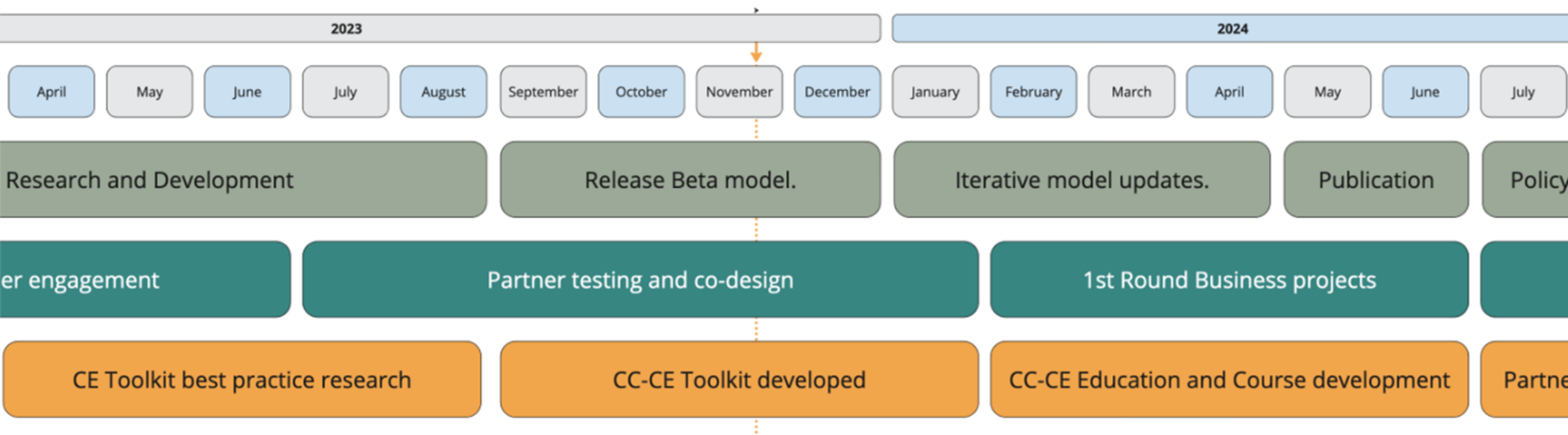
We have been developing tools and processes to bring the CC-CE model to life. Framework for Caring for country shared value and partner collaboration prioritisation. Continuous improvement of practice, tools and methodologies over time.



Implementation - Vision and Roadmap

The Indigenous doughnut CC-CE intends to improve life for all living on Country through shared participation in caring for Country. The CC-CE model, strategies and tools open up shared value pathways and opportunities to bring together the best of both worlds to build a thriving and resilient Australia.

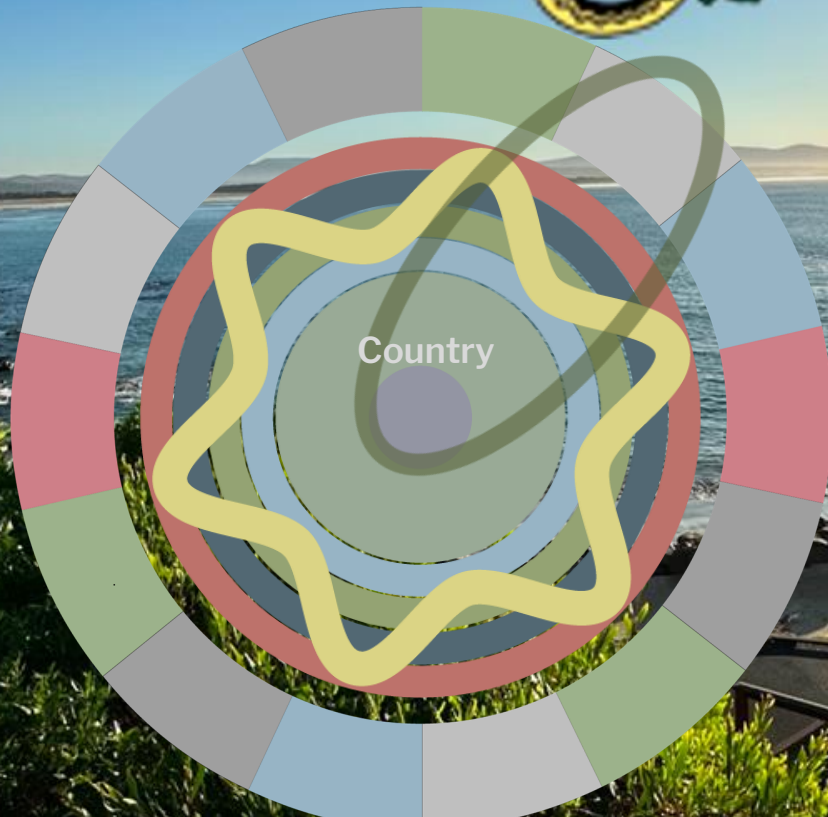
- 1. Support TOC and Businesses with Internal CE Transformation and CCCE Leadership initiatives.
- 1. CCCE Business and Partner Collaboration. Shared Value. How do we walk together?
- 1. Resource and Capability development. Business project implementation.



Kanitba

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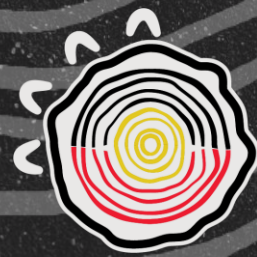
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Liz Allen Consulting



WAMARRA

Meet Hayden



Wiradjuri Nation
Albury Wodonga

Hayden Heta
Managing Director



Overview



Our purpose



Embedding our culture



What we do



Legacy

Who we are

- Aboriginal owned and operated
- Self performing contractor
- Civil and landscaping contractor.



Continuity of employment

Upskilling

Cultural safety

Our purpose

**Building meaningful
careers for
Aboriginal people.**



**To create
meaningful careers**



**Provide economic and
financial independence**



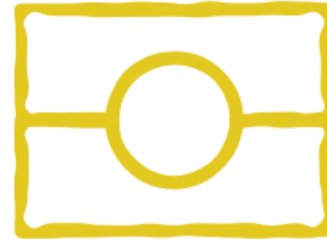
**Help individuals achieve
self determination**

Our team

Our team are skilled in a range of construction trades, from **operation of complex plant** and general **civil works** to specialist skills in **capentry, concreting** and more.



97 full time employees



**55 full time
Aboriginal employees**



**Strong engineering
and management**

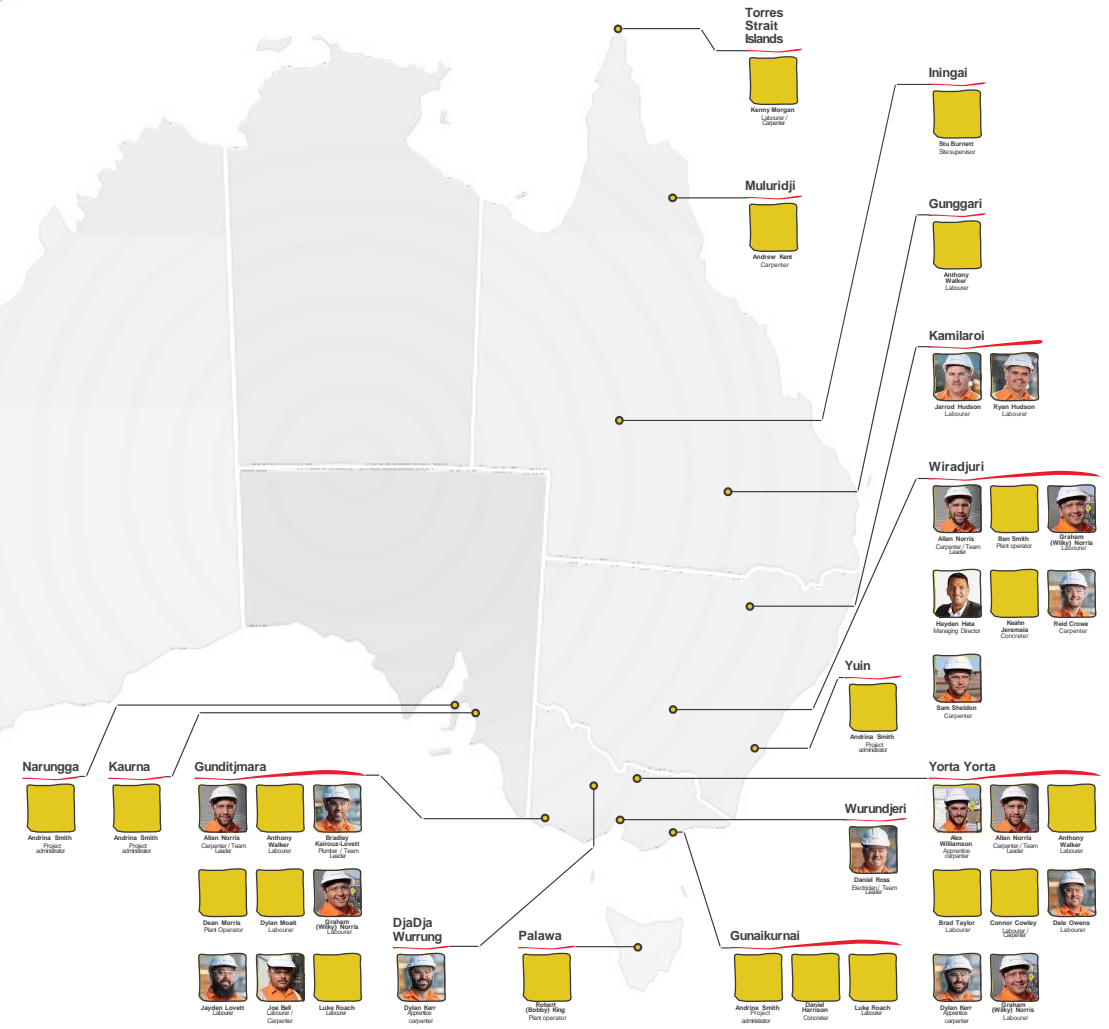
Our cultural identity

- Focus on training and development
- Our values reflect our people and the broader community
- Develop Aboriginal role models and mentors
- Support individual growth
- Consolidate leadership skills.



Our Nations map

Our Aboriginal Nations map illustrates the diverse Aboriginal heritage of our Wamarra employees and one that we're incredibly proud of.



Traditional Owners

Wamarra is deeply committed to engaging Traditional Owners of the land on which we work, providing employment, development and training.



**Chisholm Road
Prison Project**
Wadawurrung



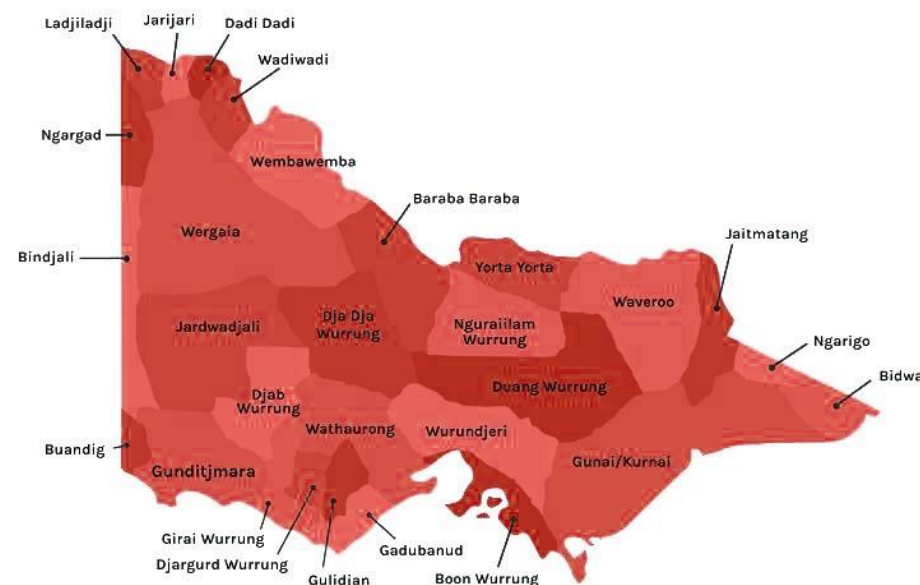
Beecroft Reserve
Yuin



**LXR Landscape
Initiative**
Wurundjeri
NARRAP team



**Griffith Three Ways
Roads to Homes**
Wiradjuri



Aboriginal Employment

We are dedicated to developing long term, mutual beneficial and meaningful partnerships within the civil construction industry, broader Aboriginal community and within our own workforce.



**Destination
for mob**



**Community
connection**



**Deep seeded
relationships**



**Aboriginal cultural
support programs**



**Industry
partnerships**



**Community
partnerships**

Our programs



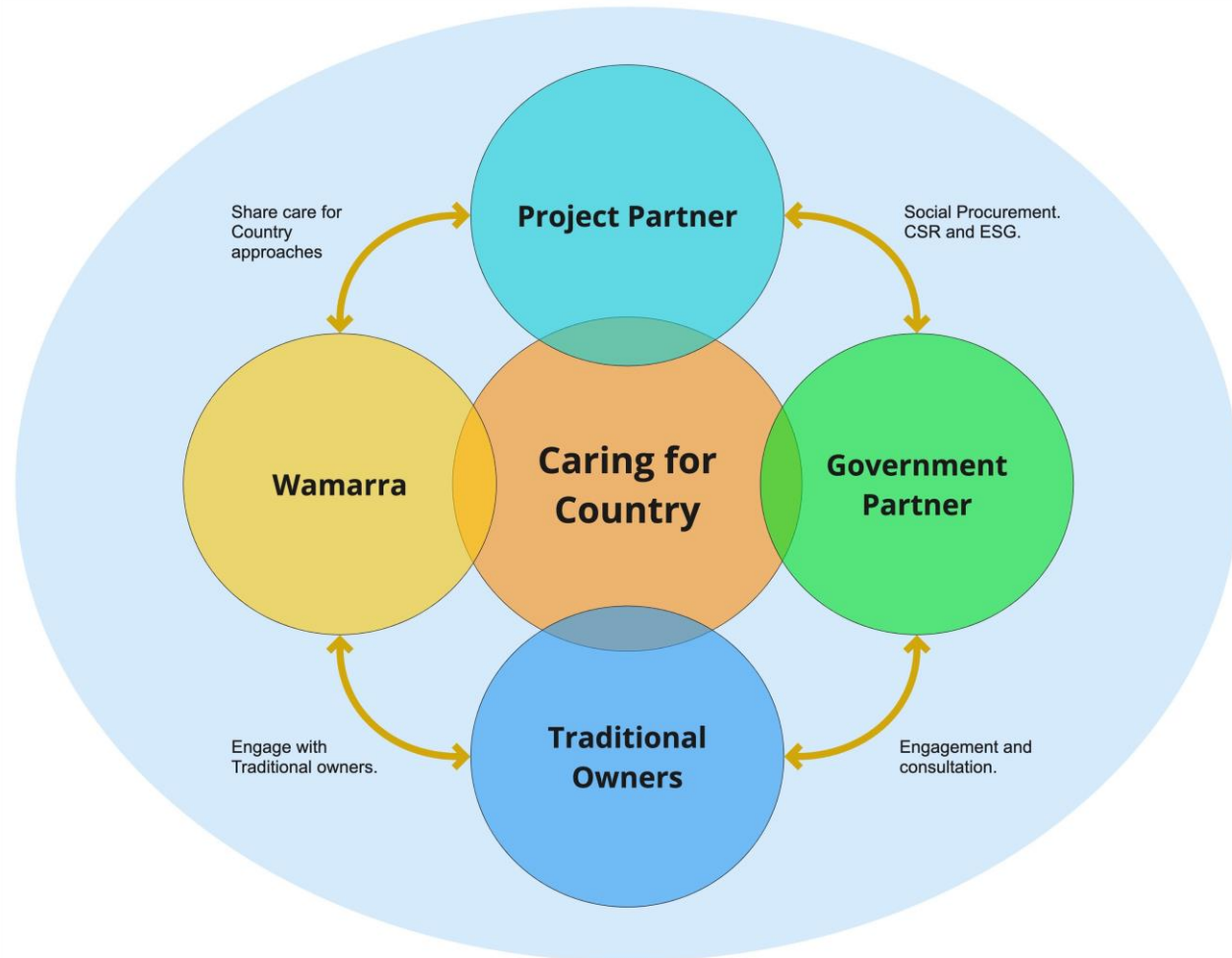
- Identifies and improves leadership styles
- Provides the tools required to promote better decision making
- Boosts team building skills
- Develops strong communication skills.



- Builds capability
- Identifies transferable skills
- Attracts those wanting a career change into construction.

Country Centred relationships

- Caring for Country is common ground for all project partners.
- First Nations people have a Circular Economy leadership opportunity.
- Leading in Circular Economy provides more role-models for Mob entering construction.



Country centred circular economy

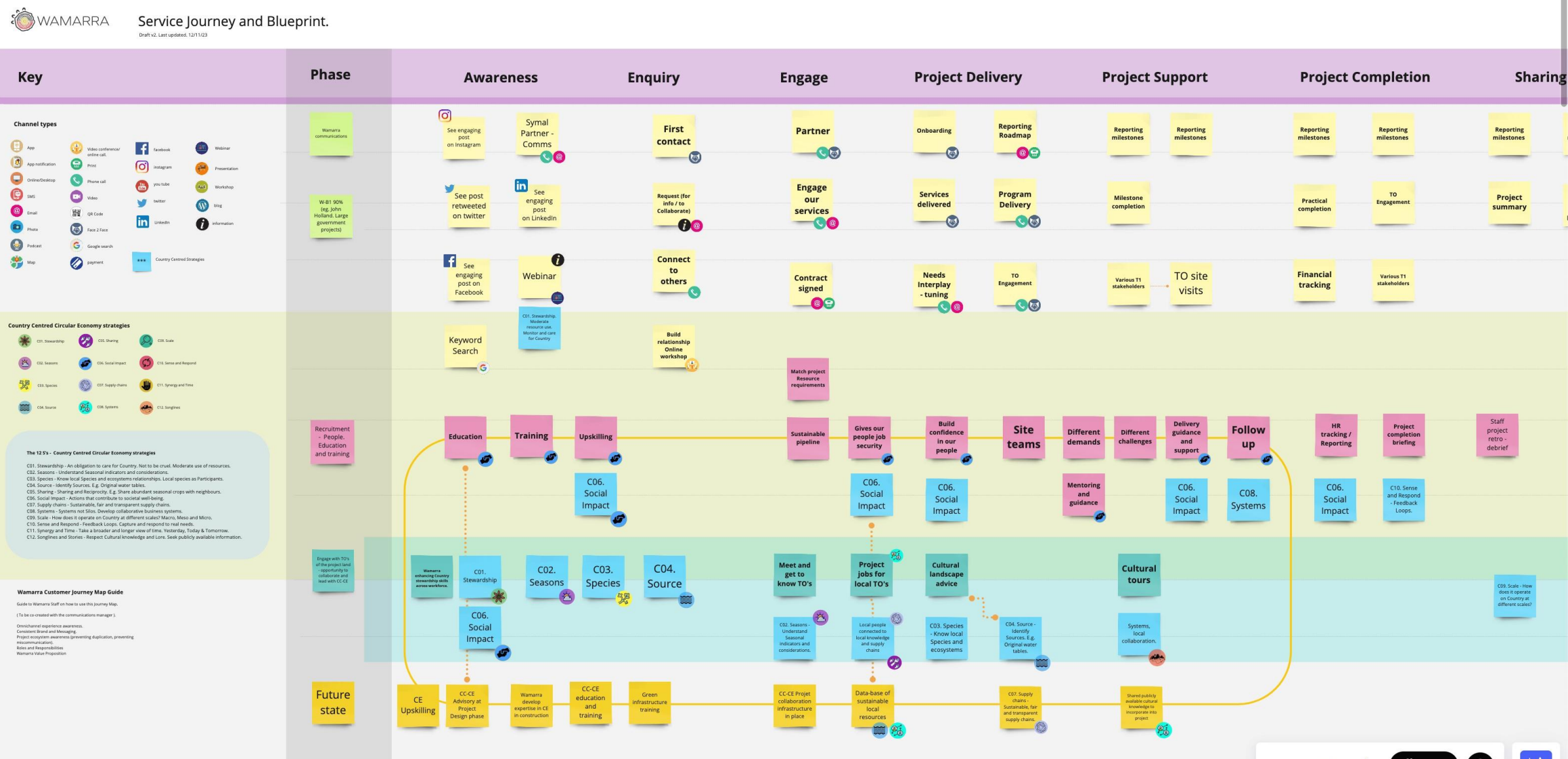
- Wamarra Country centred circular economy [project board link](#)



Service Journey and Blueprint.

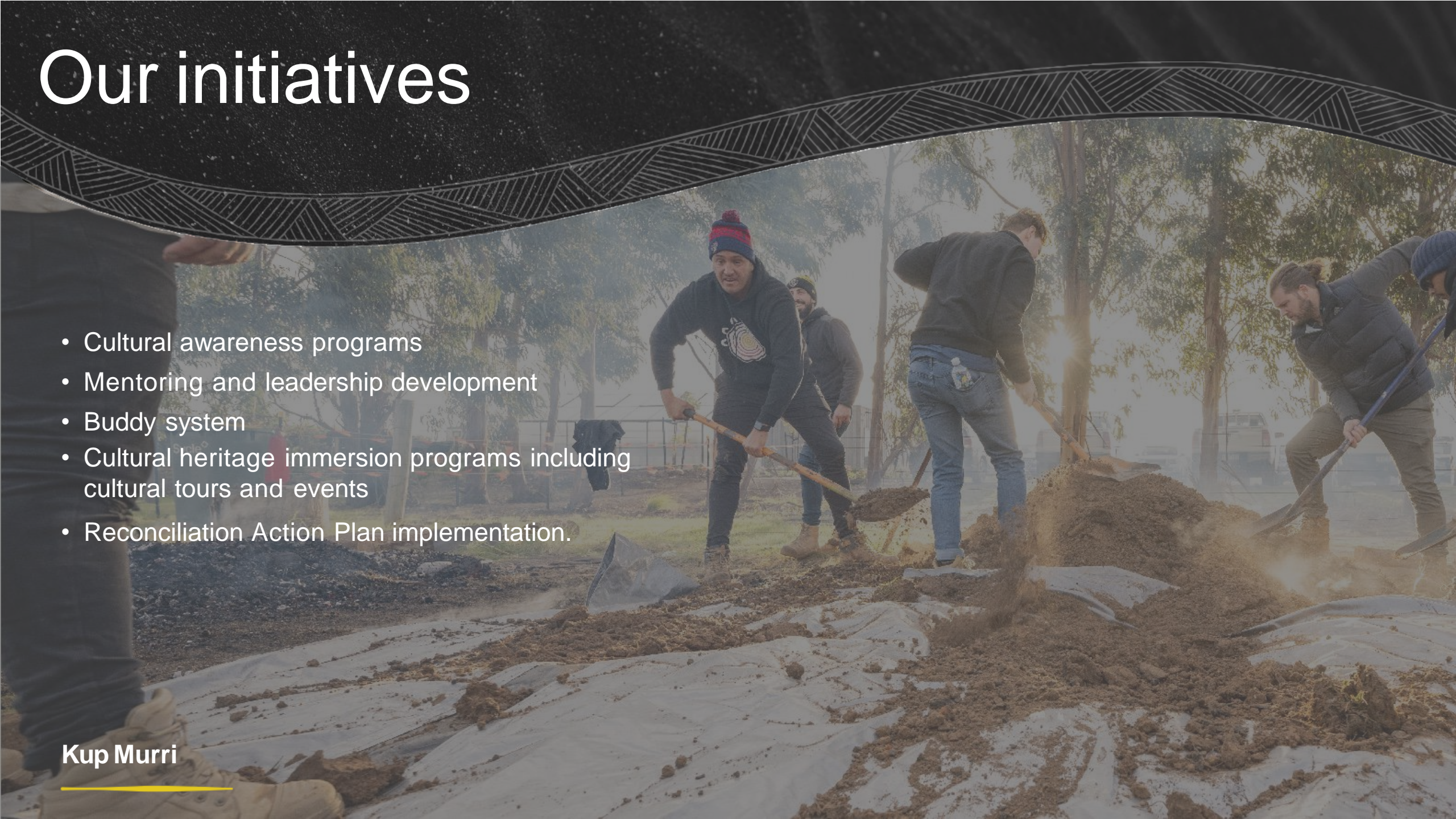
Draft v2. Last updated. 12/11/23





Our initiatives

- Cultural awareness programs
- Mentoring and leadership development
- Buddy system
- Cultural heritage immersion programs including cultural tours and events
- Reconciliation Action Plan implementation.



Cultural safety

How do we achieve cultural safety:

- Aboriginal mentors and leaders
- Comradery and teamwork
- Cultural support
- Support cultural connection and practices
- Genuine and authentic engagement and communication.

Project completion BBQ



Greenline

Greenline landscape project on the Yarra River will connect visitors and locals to a series of diverse landscape experiences that celebrate the river and the north bank's rich layers of history. **Old memories will be honoured, and new memories created through shared storytelling and custodianship.**

Client - City of Melbourne
Start date 2024

Bell to Preston

Wamarra delivered the hard are soft landscaping at Bell and Preston train stations as part of the Level Crossing Removal Project.

The use of native planting was used to create a story across the whole revitalised area, with planting that includes native grasses and flowering varieties as well as thousands of trees.

Client - John Holland (WPA)

July 2022 - March 2023

Legacy



Building careers



Community



**Enhance Traditional
Owner engagement**



Social outcomes

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Indigenous knowledge and the economy

Land governance

- ✓ Self governance
- ✓ Joint Management
- ✓ Co-existence (third parties)

? Question of an Equitable standing

Free, Prior and Informed Consent is considered

**ESG (Environmental,
Social, & Governance)**

**Cultural Heritage
Management Plans**

**Social procurement -
Victorian Government
approach**

For every dollar of revenue,
Indigenous businesses create \$4.41
of economic and social value

**Procurement policy generates \$5.3 billion in contracts for over
2,600 Indigenous businesses**

**REGISTERED
ABORIGINAL PARTY**
*Aboriginal Heritage Act
2006*

Registered Aboriginal
Parties (RAPs) are
responsible for
managing Aboriginal
cultural heritage within
their appointed areas.

**RECOGNITION
AND SETTLEMENT
AGREEMENT**
*Traditional Owner
Settlement Act 2010*

The Traditional Owner
Settlement Act provides
a framework for the
recognition of Traditional
Owner rights and
settlement of native title
claims in Victoria.

Reconciliation Action Plans

Relationships
Respect
Opportunities
Governance

**Reconciliation,
a \$24 billion investment
in Australia's future**

Indigenous Procurement Policy

Industry/Corporates

- ✓ Compliance due to social and legal licence
- ✓ Because competitors are doing it
- ✓ Greater commercial opportunities
- ✓ Want to make a difference
- ✓ Provide employment opportunities

Traditional Owners

- ✓ Vision to keep knowledge and culture alive and to be recognized
- ✓ Cultural obligation to care/look after country with strategies
- ✓ Support partnerships with organisations that share the same values and commit to mutual and/or shared benefits

Opportunities

- ✓ Industry collaboration
 - Tendering, strategy and engagement plans, (RAP's etc)
- ✓ Partnerships
 - Community benefits/programs
- ✓ Social Procurement/Supplier diversity
 - Indigenous businesses
- ✓ Training and Employment
 - Workforce development

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