

Integrated Assessment Round 2

TLG presentation to Community Stakeholder Group

Healthy Rivers CSG 17

1st October 2015



Healthy Rivers
PLAN FOR CHANGE

Wai Ora
HE RAUTAKI WHAKAPAIPAI

Maniapoto Maori Trust Board
Raukawa Charitable Trust
Te Arawa River Iwi Trust

Tūwharetoa Māori Trust Board
Waikato Raupatu River Trust
Waikato Regional Council

Scenario assessment

- Constrained land use; each attribute improves by 10%, 25%, and 50% of the difference in concentration between current state and Scenario 1
- Steps delay large negative impacts



Economic

Au Putea reflected below

Value Add

- Overall regional impact percentage is low at 10, 25% but absolute numbers are proportionally higher
- Largest effect on dairy farming and processing at 10% and 25% at 50% Horticulture kicks in

International Exports

- Gradual loss in exports coming from dairy product manufacturing at all the steps with Horticulture kicking in at 50%. Increases occur with wood, paper and meat and wool products

Employment

- At 10 and 25% the bulk of the reduction sits in dairy farming and dairy product manufacturing with gains in forestry



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Environmental

REMS

- Increased set backs for dry stock and edge of field as the steps increase will have a positive impact on MCI and macroinvertebrates, reducing flow benefits MCI

Riparian

- Note that half of the dry stock fencing is completed within the first two steps
- Noted that without riparian planting there will be limited benefit for terrestrial biodiversity
- Pareparenga o te wai plays an important role in acceptability of a place to swim and pasture rather than a revegetated strip would enhance this indicator

Wetland

- Small gains, by 50% a 10% increase in existing area



Social

Vibrant and resilient communities

The steps have not had a major influence in reducing the impact.

- Gradual increase in job losses across the steps impacting in the upper FMU towns such as Tokoroa;
- Less impact on the Waipa FMU

Job Diversity

- Less impact in steps 10, 25%; growth in other innovative business not anticipated;
- Primarily Dairy and Horticulture job losses in upper Waikato little change in diversity

Infrastructure

- Minimal impact; flood protection slight improvement and cost to industrial discharge and municipal waste water

Recreation use No change



Clarity, flow, temperature

Waitemata (water clarity)

- Improvement except for upper, mid and lower Waikato

Te Rere (flow)

- Sufficient water and reduction of high and low flows is expected to remain static

Paemakariri (temperature)

- Afforestation and resultant shading will reduce temp for each step gradual minimal improvement expected



Food, pests, knowledge

He kai pai (edible food)

- minimal breaches of E coli through the steps

Te nui o nga kai te wai (abundance of fish species)

- As riparian management increases along with afforestation this will create enhanced habitat for koura

Nga tarukino me nga ika rawaho I te wai (pest weeds and fish)

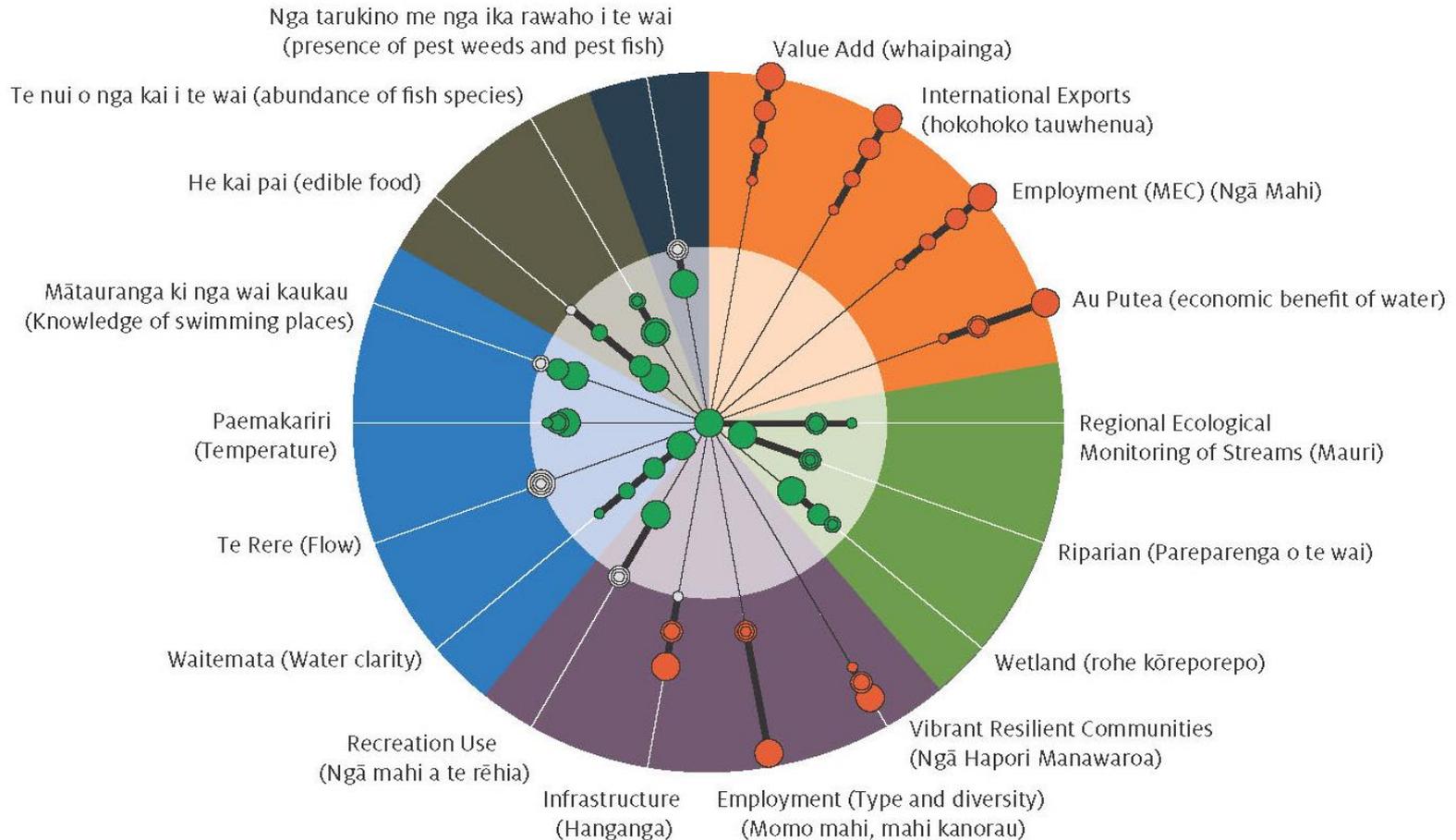
- No expected change

Mautauranga ki nga wai kaukau

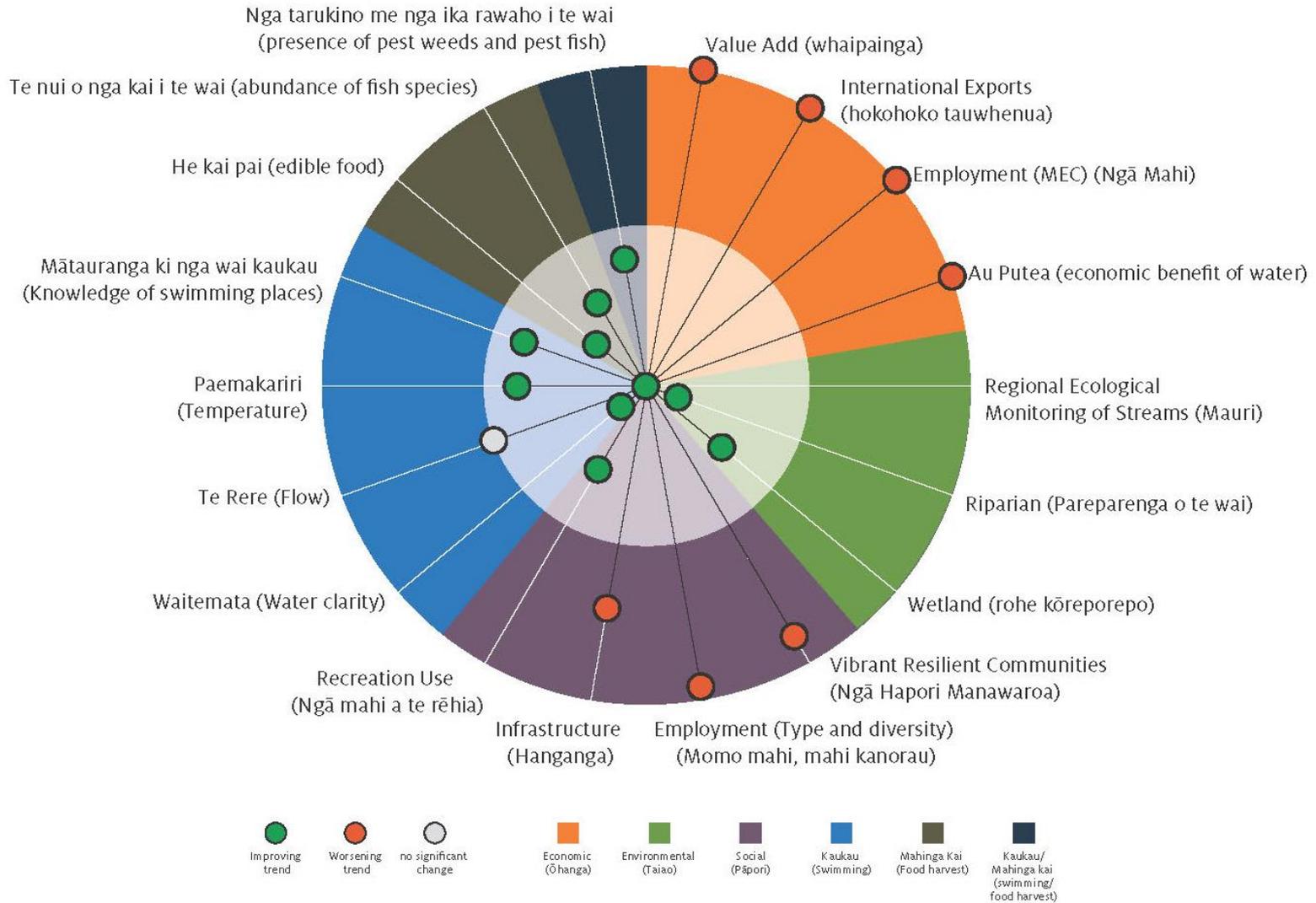
- Improvement in the swimming experience will enhance this indicator



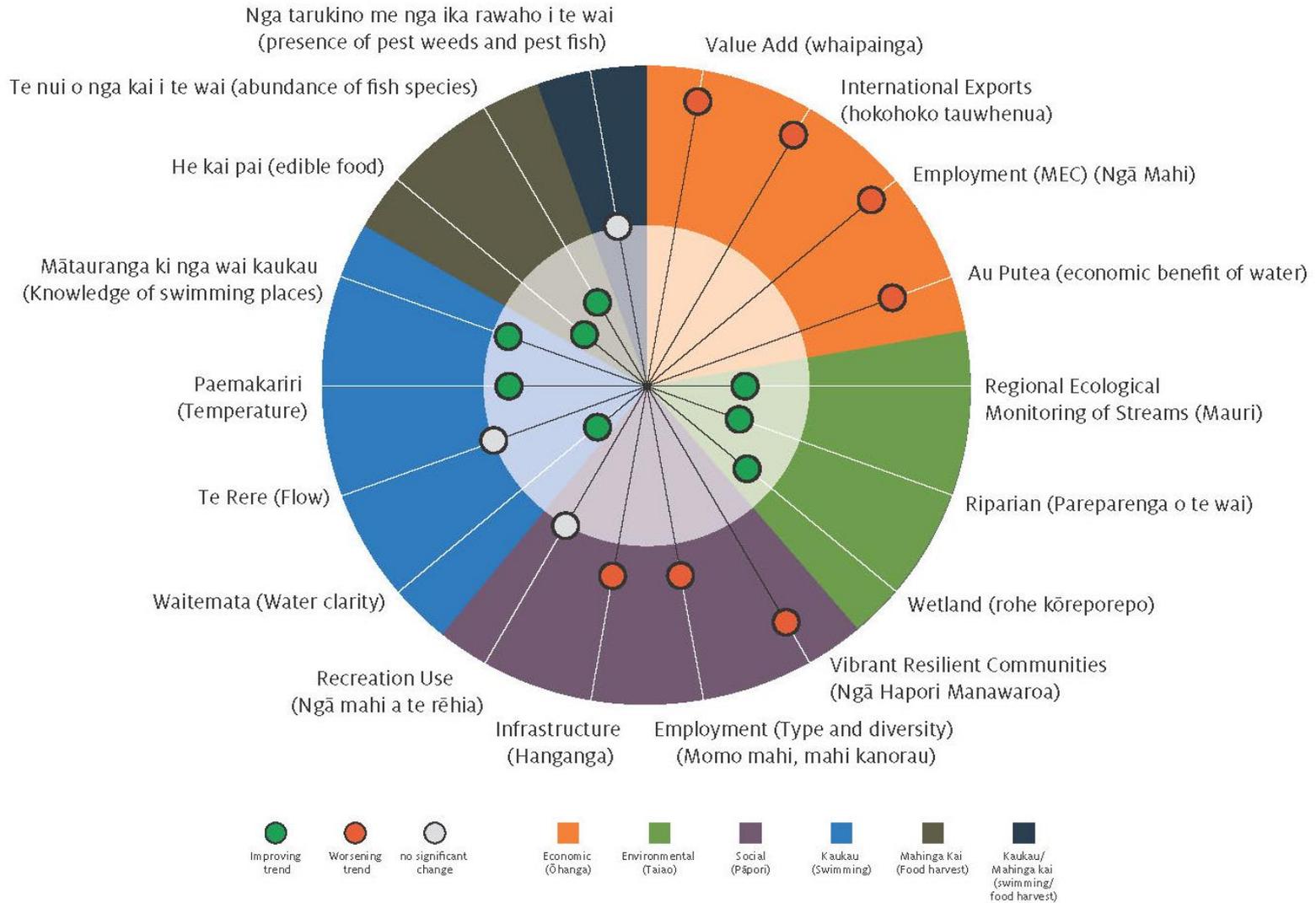
Combined



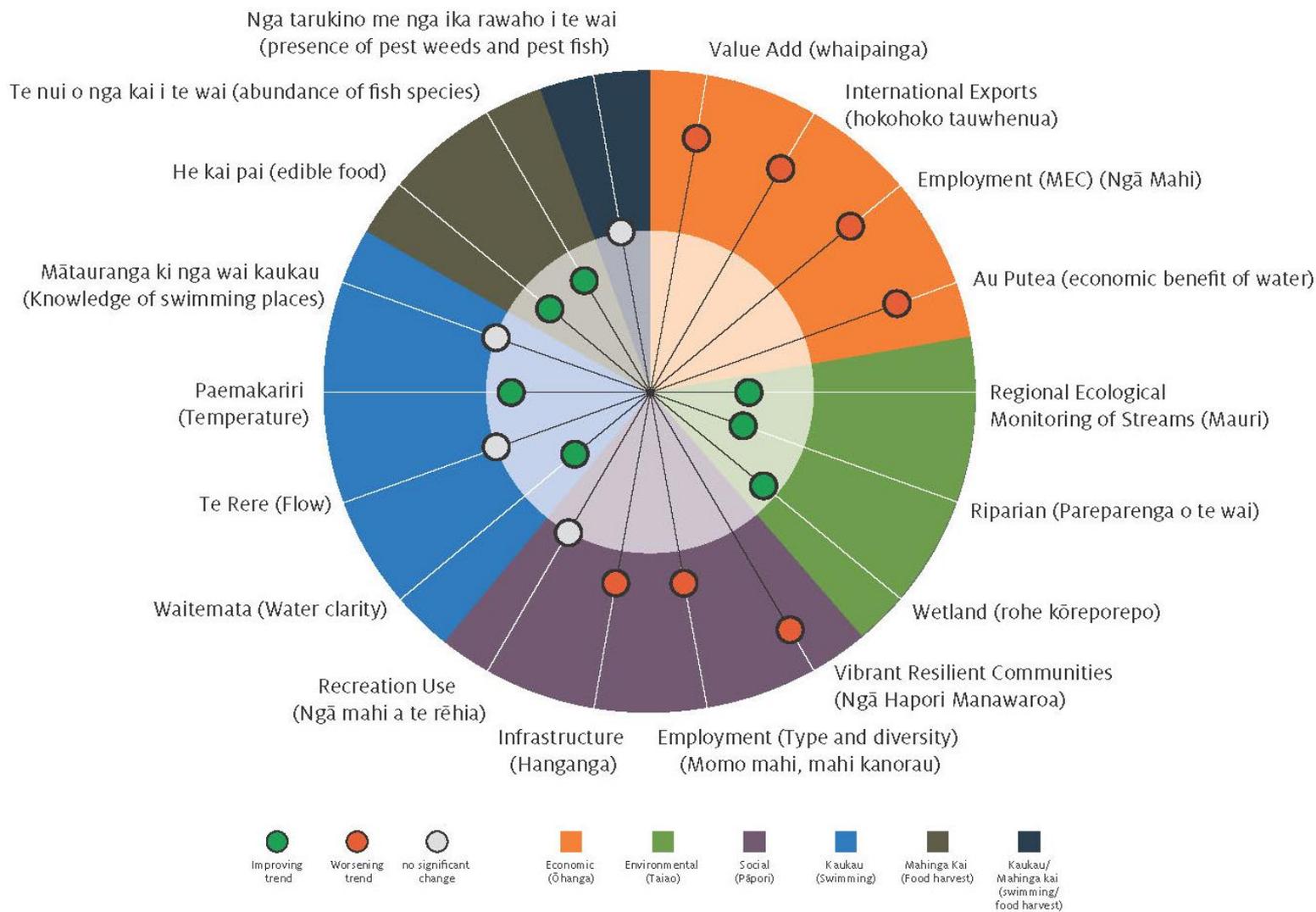
100 per cent



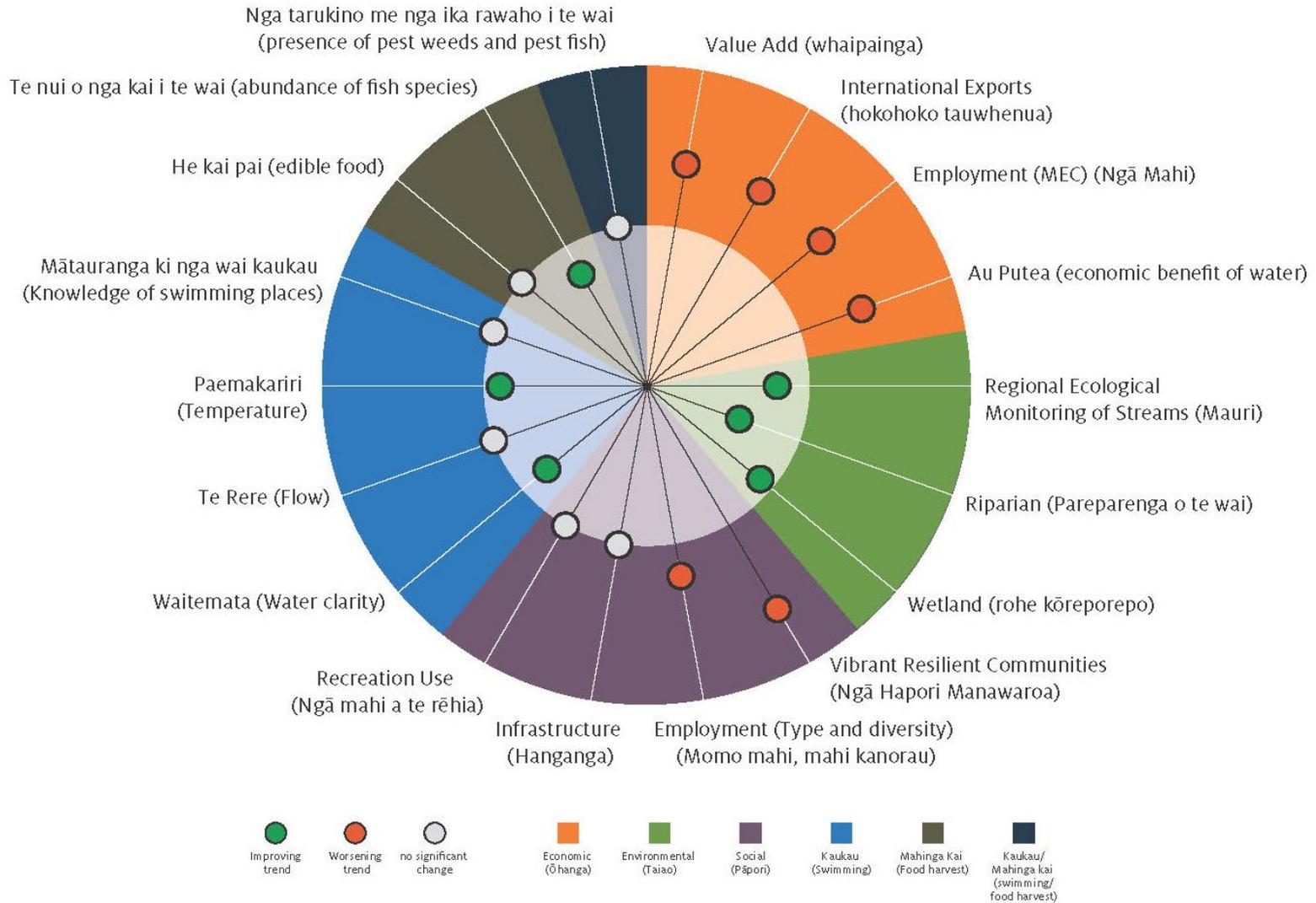
50 per cent



25 per cent



10 per cent





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TŪWHARETOA
MĀORI TRUST BOARD

