
Sustainable Pathways (SP2)



Update to National Advisory Group, 19 August 2011

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Sustainable Pathways 2 (2009 – 2015)

To date:

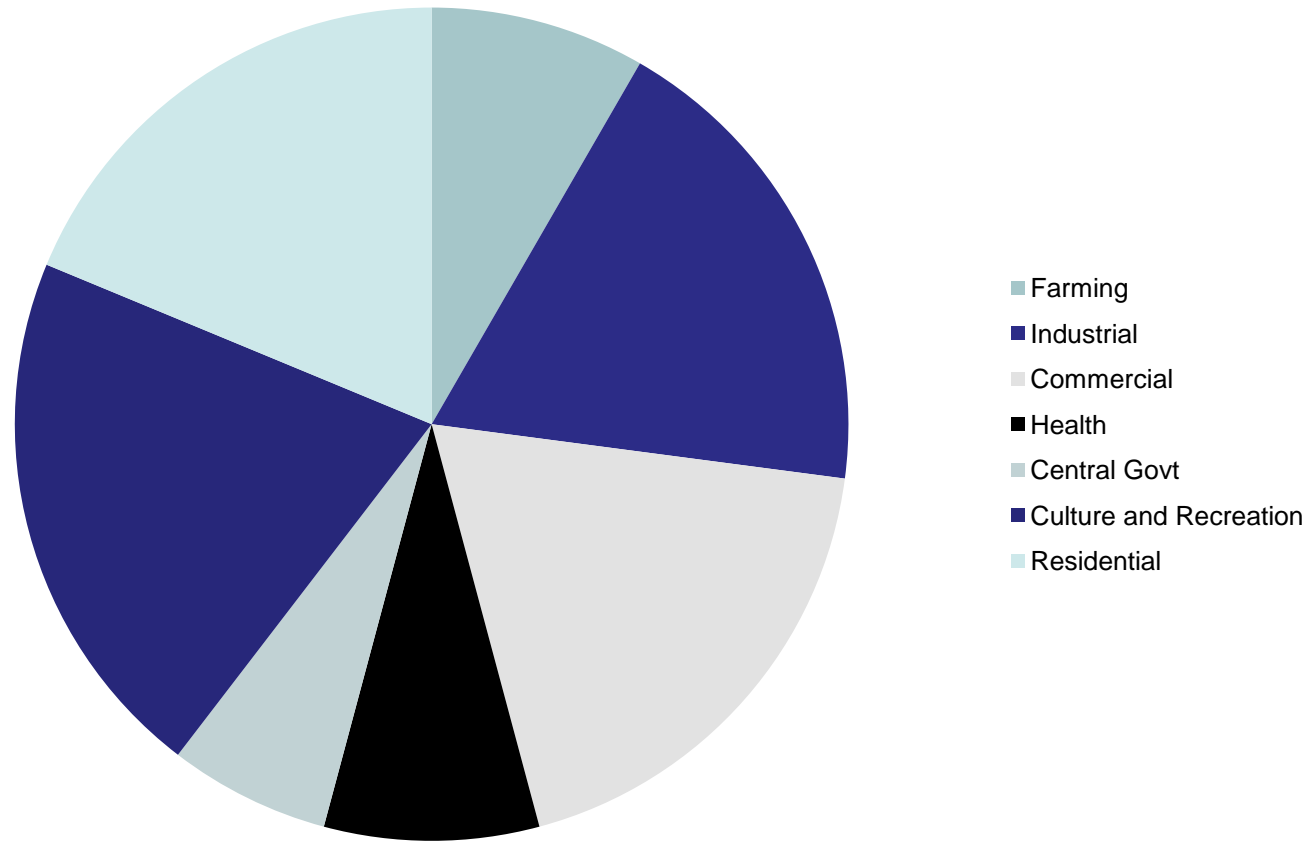
- **Objective 1** Mediated Modelling in Wellington and Auckland ongoing.
- **Objective 2** Spatially explicit pilot models for Wellington and Auckland available.
- **Objective 3** Positioning modelling tools within Councils to support decision making of Spatial Planning; identifying criteria, data and develop capacity / stakeholders.

SP2 (2011 – 2012)

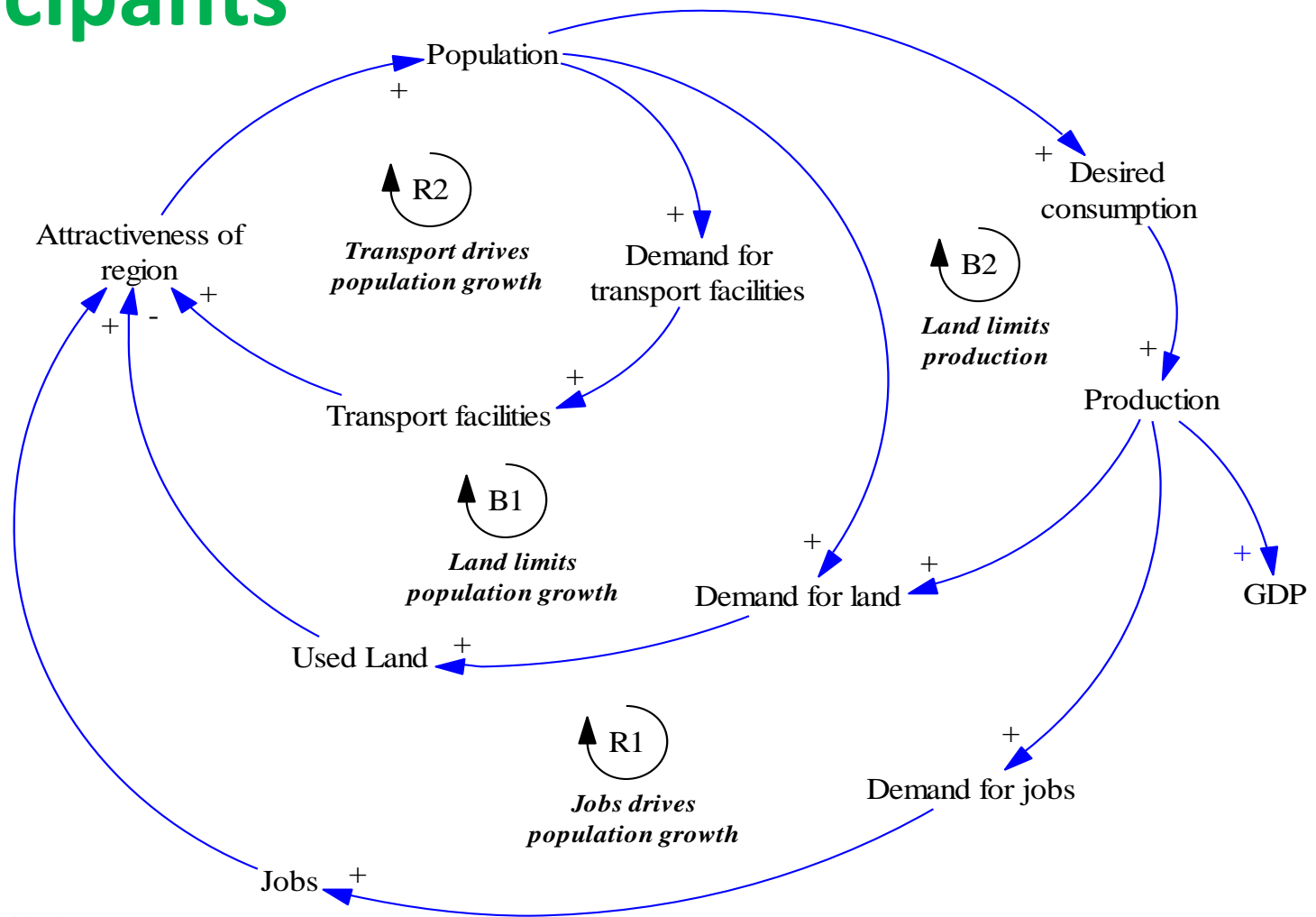
- Mediated Modelling Wellington: 2 workshops completed, 1 workshop planned for 18 October 2011. Option for 7 more workshops.
- Mediated Modelling in Auckland: 3 workshops planned (8 Sept, 24 Nov, 15 March 2011). Option for 7 more.
- Disseminating and testing pilot SDSS models for Wellington and Auckland.
- Inter-linkages workshops comparing results from MM with SDSS pilot models.
- Councils to develop both criteria for and inventory of capacity / skills required to use tools.

Wellington MM participants

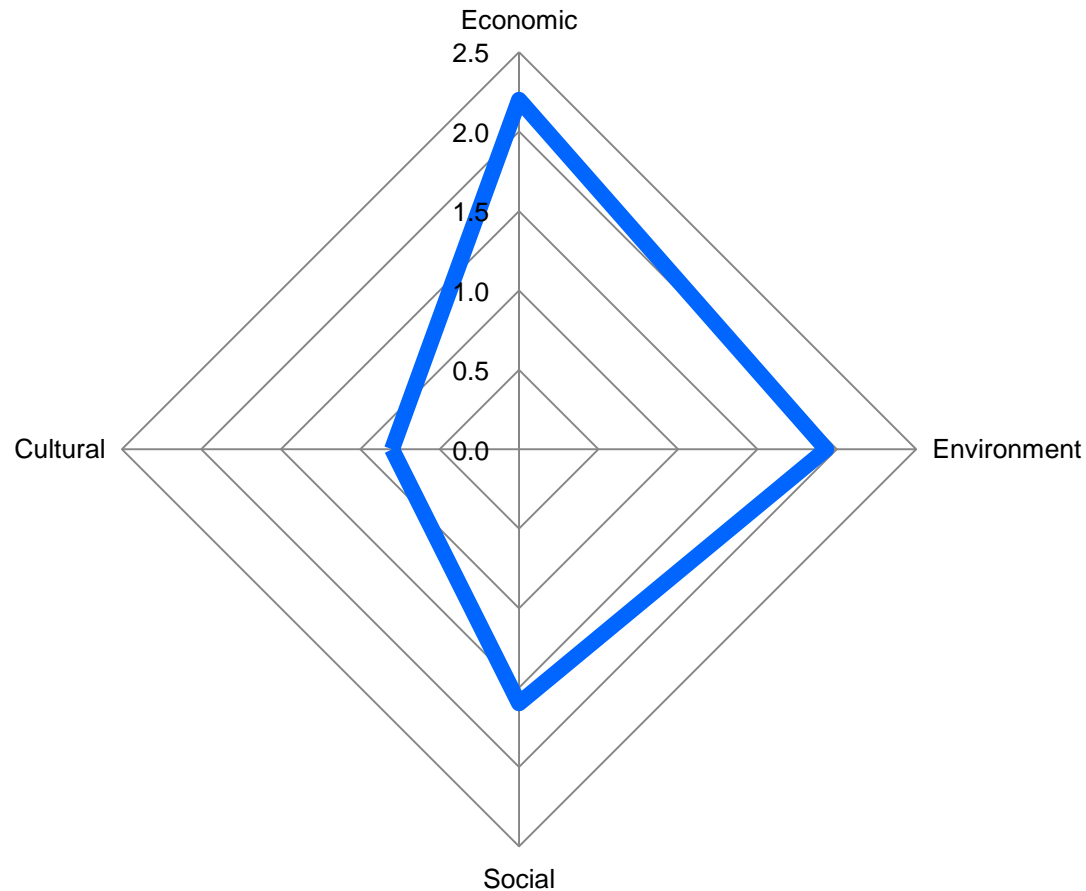
by sector informed by cluster analysis (Market Economics)



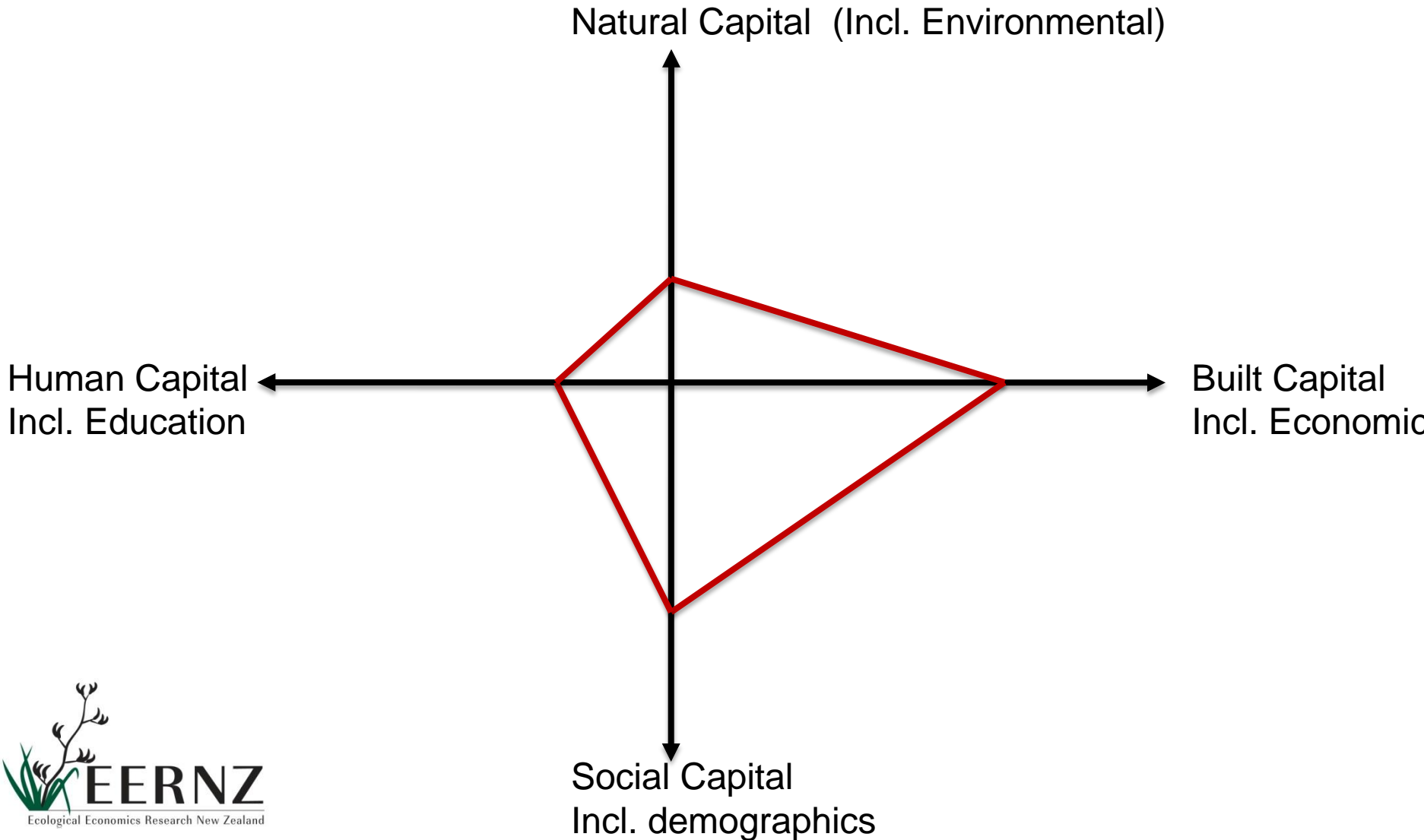
Causal diagram based on pre-interviews with Wellington MM participants



Averaged ranking of 4 aspects of well-being by Wellington MM participants



Relative data availability in Wellington from Ecological Economics perspective



Data analysis - Statistics New Zealand

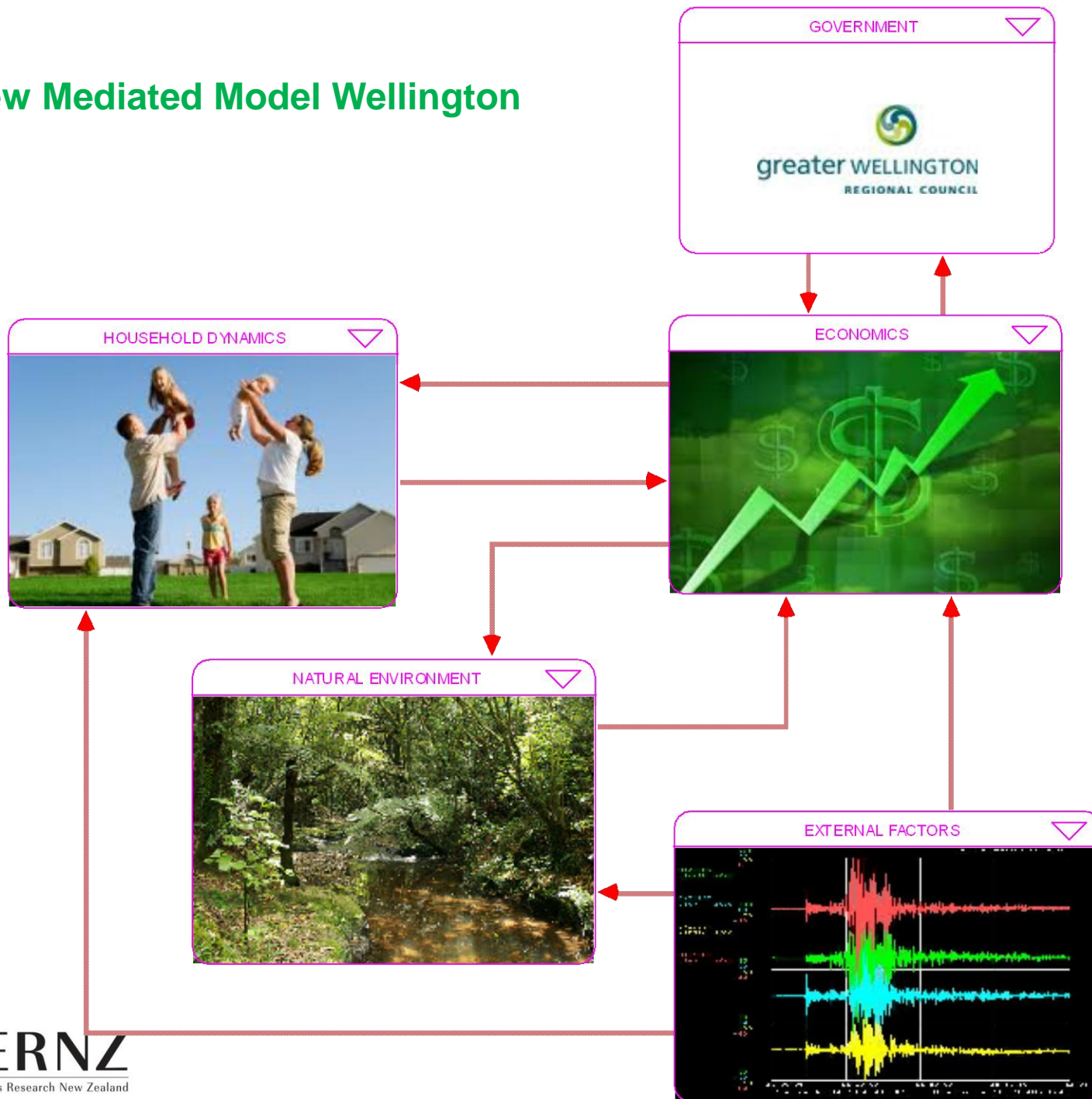
Number of people employed on Macro Economic Stats:

130

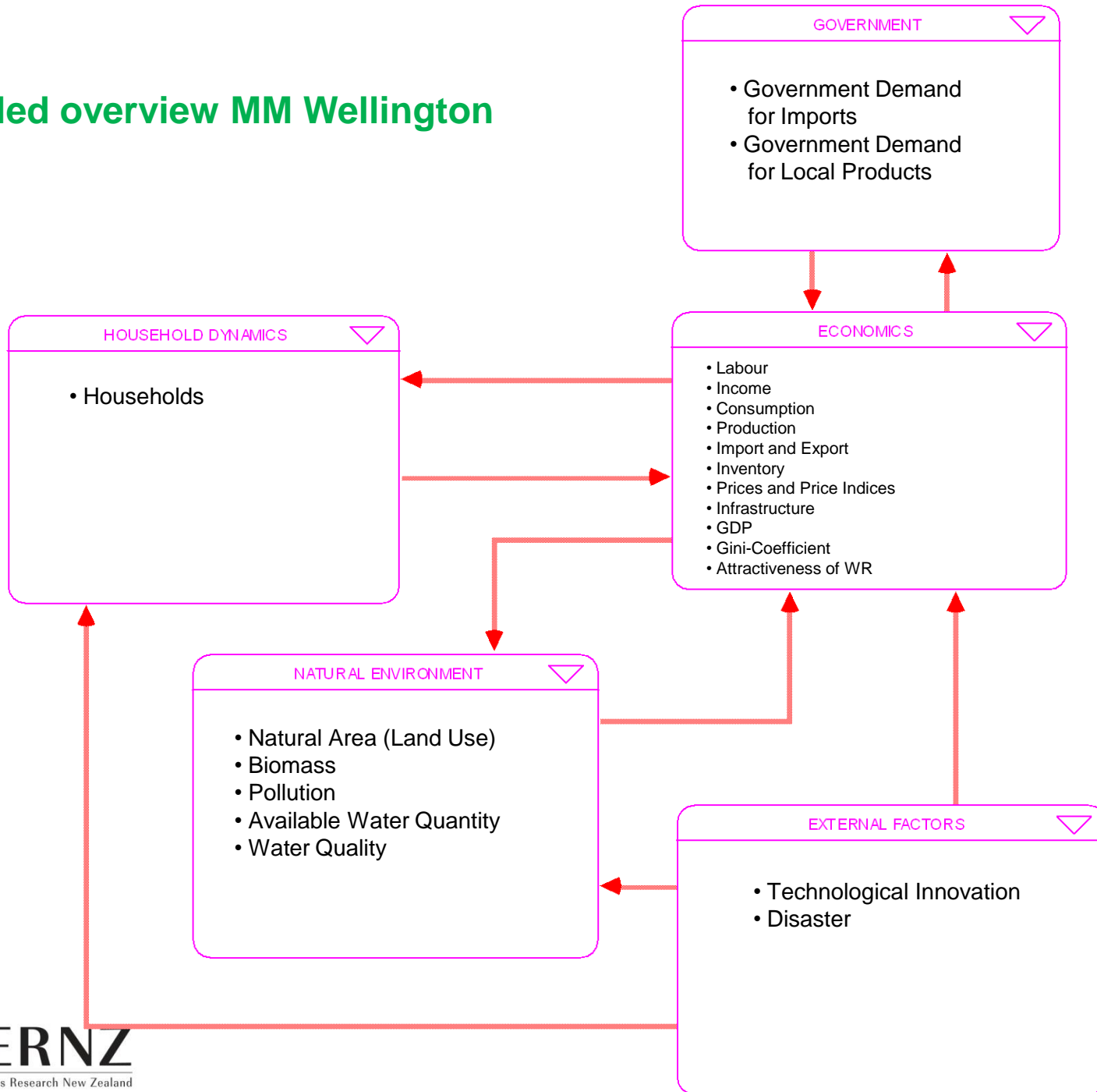
Number of people employed on Environmental Stats:

3

Overview Mediated Model Wellington



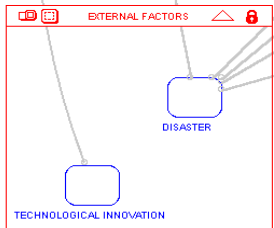
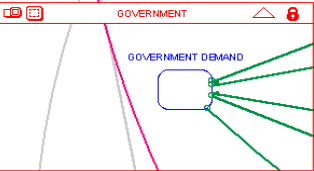
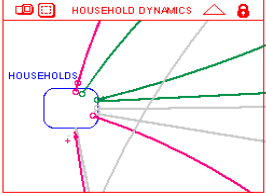
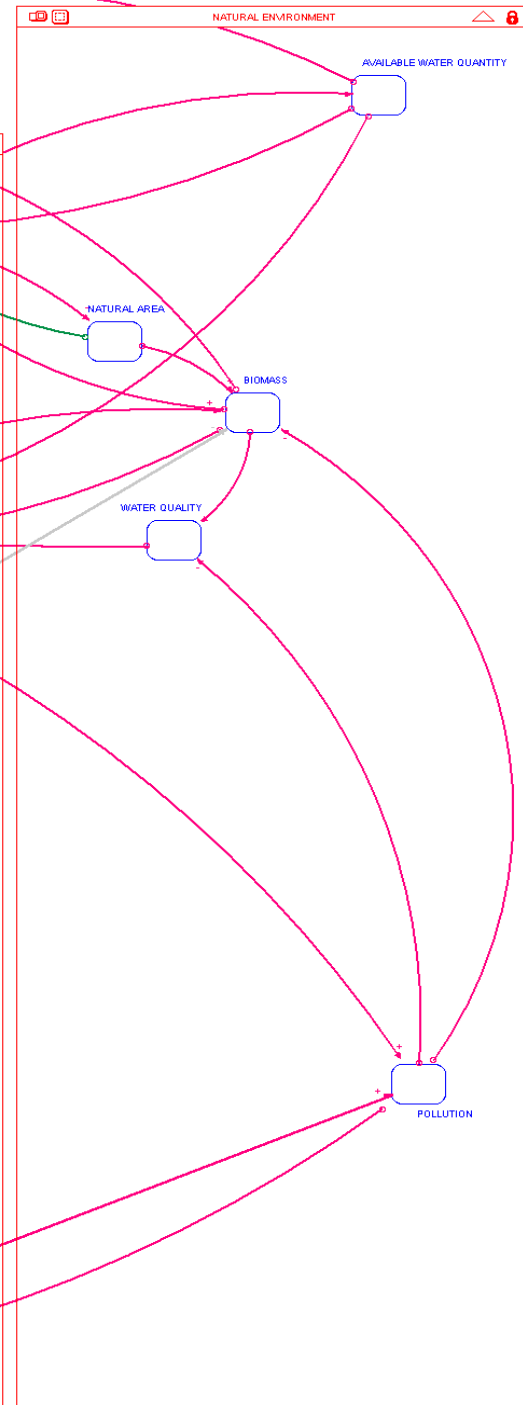
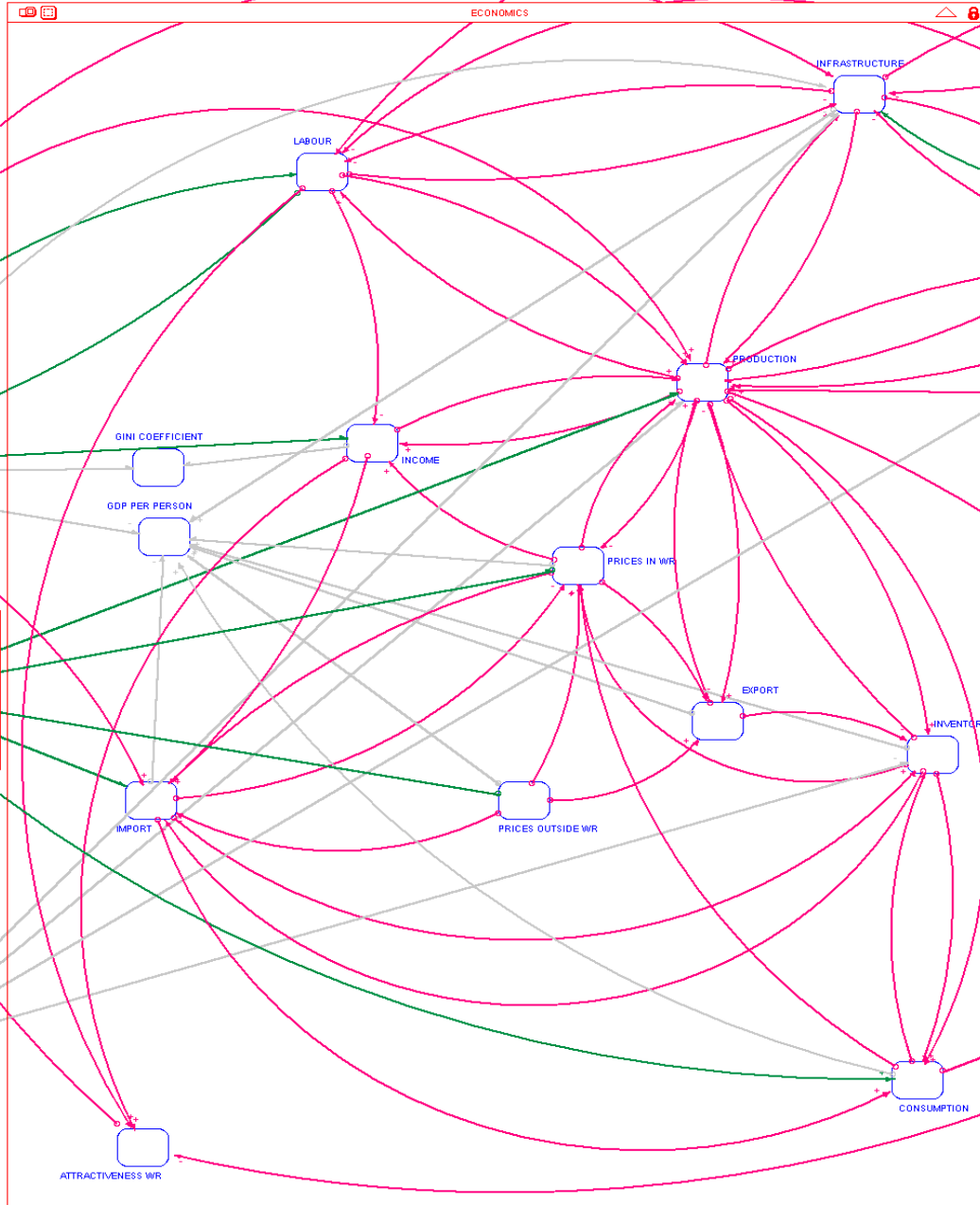
Detailed overview MM Wellington



REFERENCE TRENDS



Too much information



Scenarios MM Wellington

Workshop 3 (18 October 2011)

- What if the **population changes by 10%** (up or down) by 2020 then what happens to “**access**” and **inequality**?
- What if the **relative income per person** in WR changes by 10%? How does this impact on the **relative attractiveness** of the WR?

- What if WR focussed on **innovative niches** (digital industries and comparative advantages) then what happens to **resilience**? What is resilience?

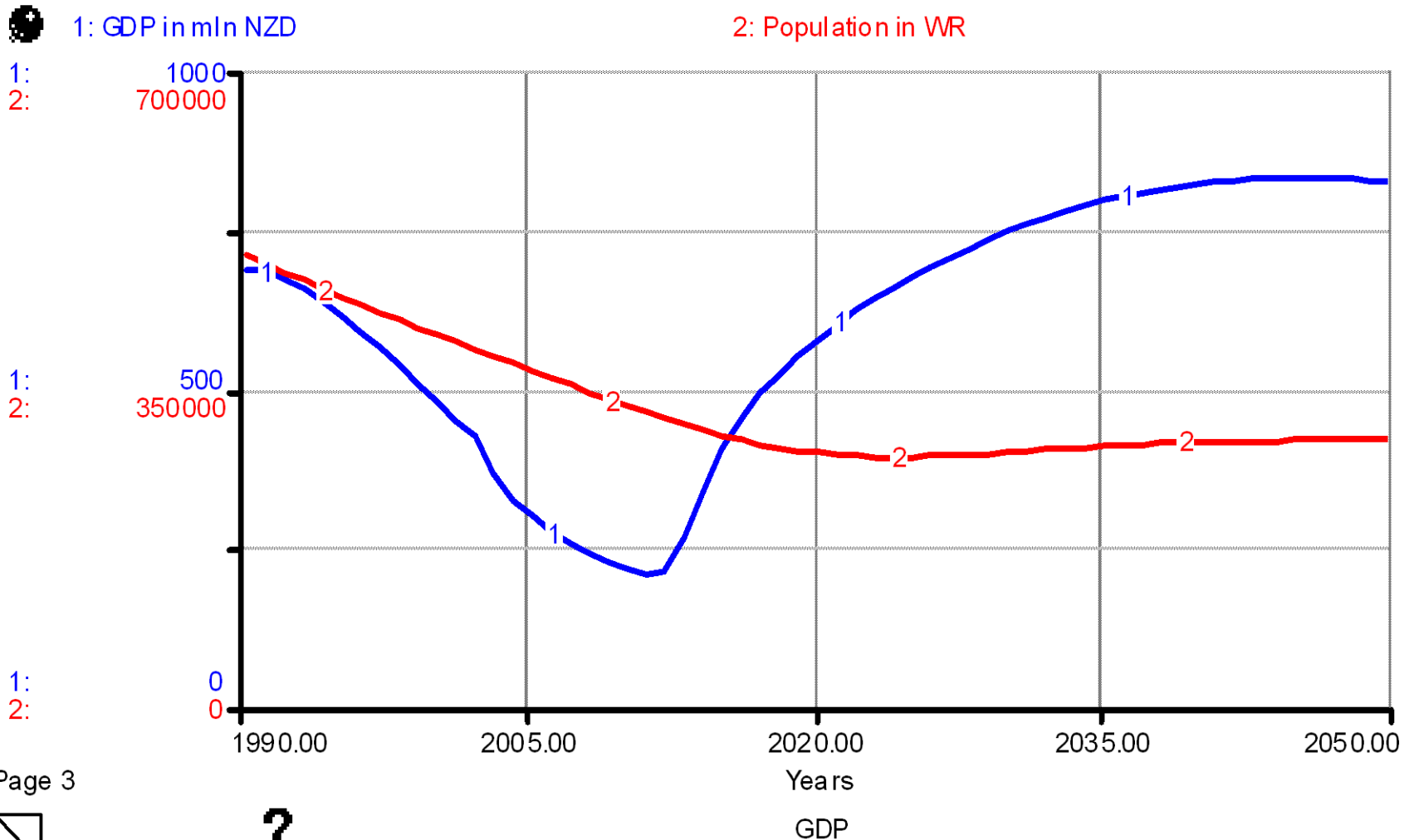
- What happens to WR **attractiveness** if **skilled labour does not stay long**?
- What if we change the **km travelled** good/people then what happens to **inequality** and **attractiveness**?

To Spatial Model

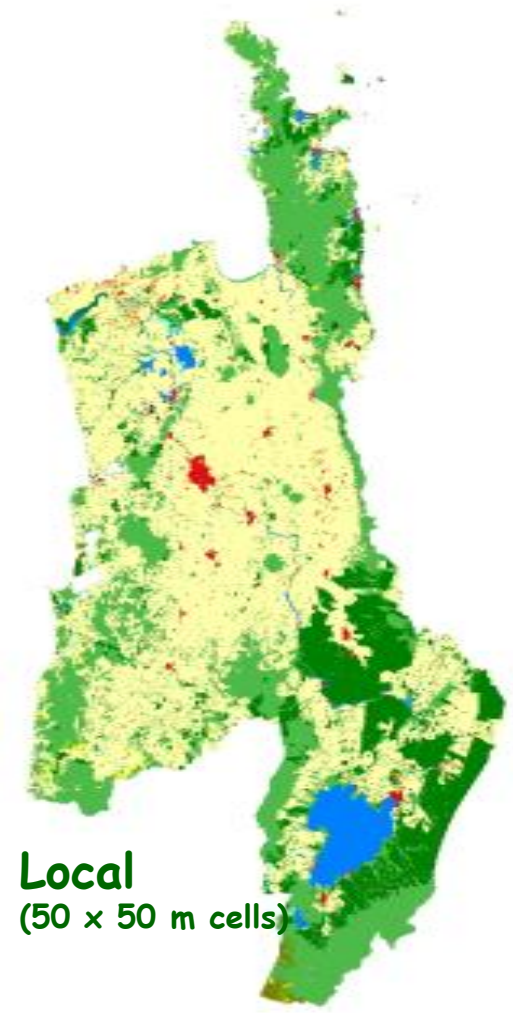
NOT in Workshop 3

What people want: simple graphs that explain fact-based changes over time and impact of possible solutions

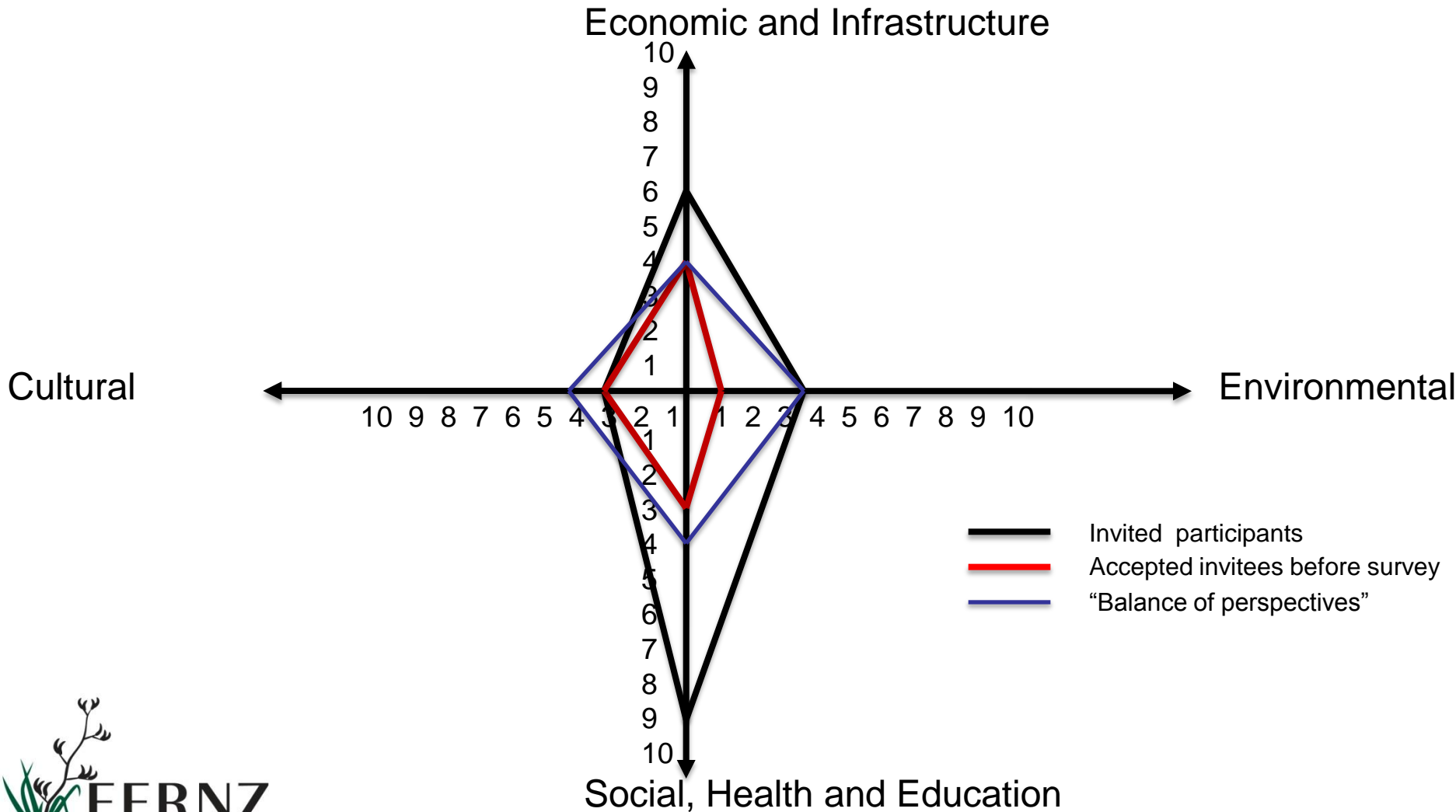
Wellington MM Scenario 1: Population and GDP



What people want: Place-based maps that explain changes over time at different scales under different scenarios

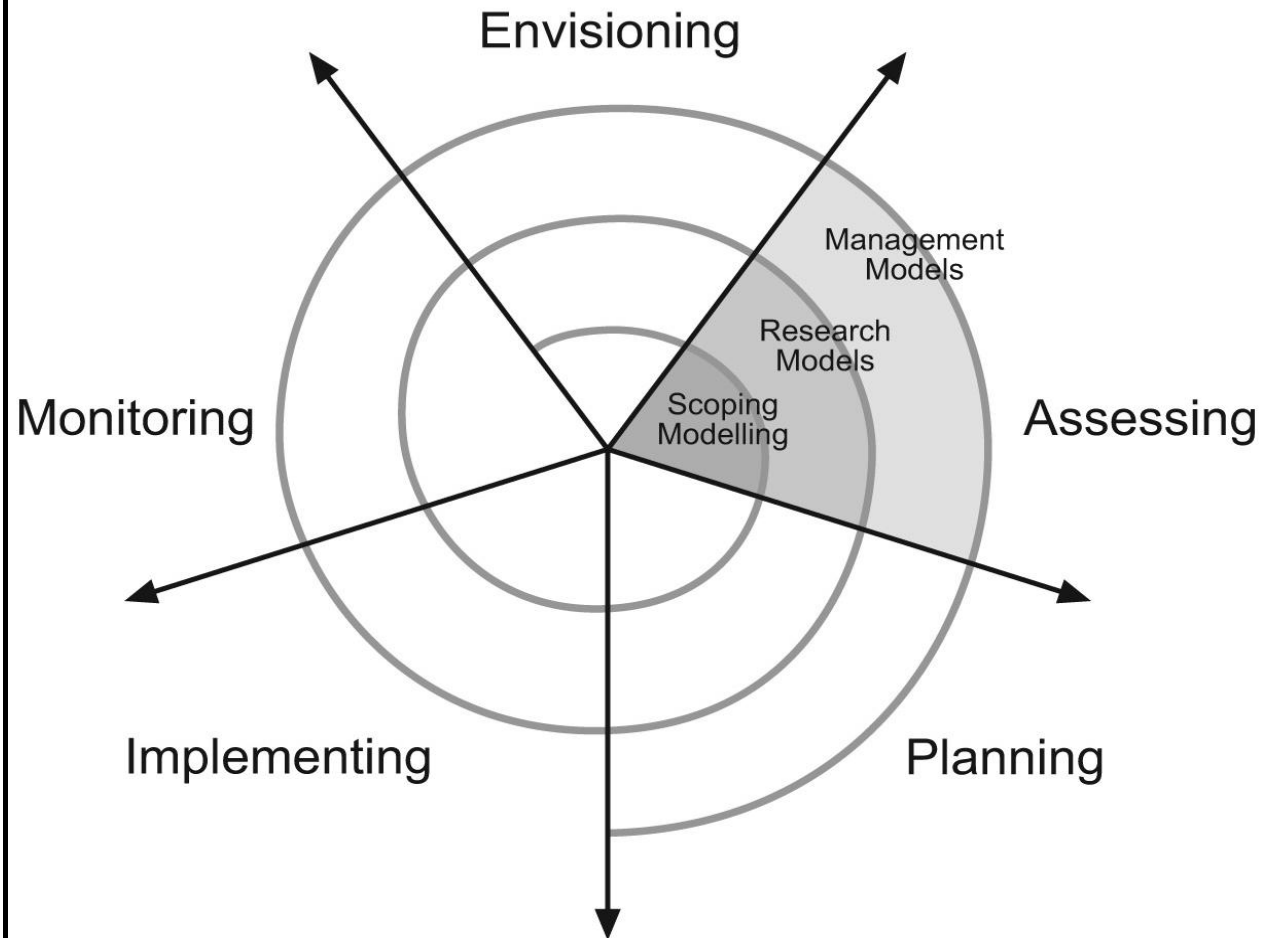


Preparing for MM in Auckland: balancing perspectives and finding “fit for purpose”



How do Modelling Tools support Planning and Adaptive Management?

Not a linear process



Outputs by 2015

- Blue print for using Mediated Modelling processes and Spatial Decision Support System in urban spatial planning.
- Examples for Wellington and Auckland on Mediated Modelling and Spatially Explicit Dynamic Models and how they work together.
- Foster in-house capacity in Councils and their stakeholders to use integrated modelling for adaptive management, including spatial planning.

SP2 and NAGIP

- Sub-group to review reports; part of action research to document progress (before and after) and solicit feedback from stakeholders not directly involved.
- Test drive models?
- Envirolink Directory for Integrated and Spatial Planning tools.

Envisioned outcomes for NZ

- Collaborative governance and partnerships between stakeholders for improved spatial decision making.
- Integrated planning that goes beyond land use planning to integrate the economic, environmental, social and cultural well-beings.
- Embedded tools to facilitate spatial planning decision support where central, regional and local government work together.
- Scenario development and transition pathways including adaptive capacity

www.sp2.org.nz


[home](#)[about the project](#)[project update](#)[mediated modelling workshops](#)[project outputs](#)[contacts](#)

Integrating state-of-the-art research with policy to enable better decisions in Spatial Planning.

members' login

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Password

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what's new – june 2011

The first two mediated modelling workshops have been held for the Greater Wellington region

[Read more...](#)

A meeting was held to form the National Advisory Group for Integrative Planning.

[Read more...](#)

Auckland Council Mediated Modelling Workshop Update

[Greater Wellington Mediated Modelling Workshop Update](#)

what is sustainable pathways 2 or sp2?

SP2 builds on the work done by in [sustainable pathways](#) to integrate state-of-the-art- research with policy to enable better decisions in Spatial Planning. There are two case study regions; Auckland and Wellington. SP2:

- Is a long term project until 2015
- Assists current policy processes to integrate the 4 well-beings
- Aims to help develop consensus on HOW to develop a spatial plan, especially long term direction and exploring tradeoffs
- Will develop tools for scenario development and transition pathways (30-50 years)

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