# WISE

# - Waikato Integrated Scenario Explorer

FutureProof, WRTM, WISE - 28 February 2014

## **Purpose of today**

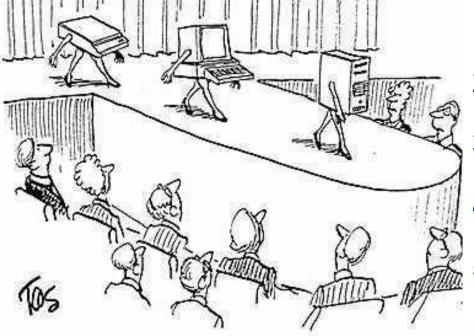
- 1. WISE 101 overview and live demo
- 2. Can WISE meet the needs of FP and WRTM?



Healthy environment Strong economy Vibrant communities



# What we will cover today



- 1. Overview What is WISE
- 2. <u>Why</u> did we develop WISE
- 3. <u>How</u> does it work <u>live demo</u>
- 4. What can it do?
- 5. How can the **FP & WRTM** information needs be met



Healthy environment

Strong economy

# What is WISE?

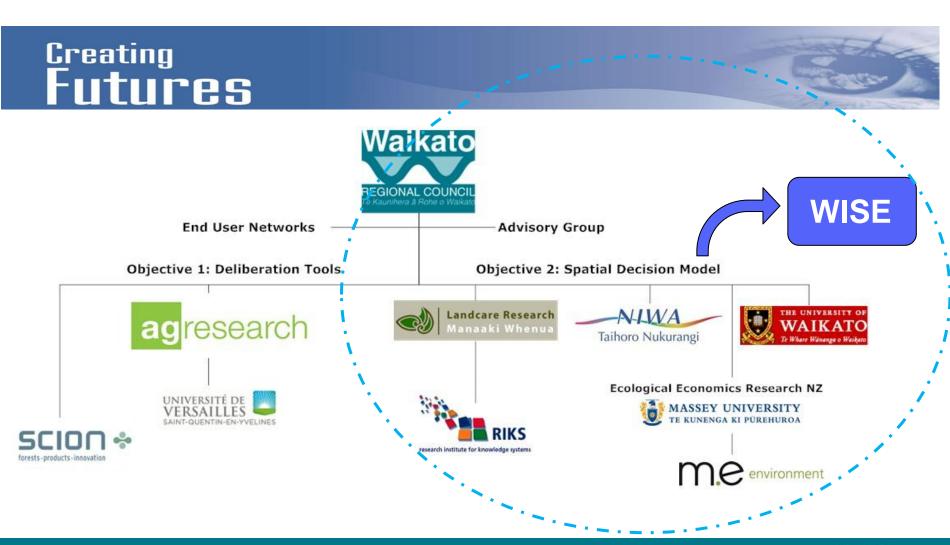
- An 'Integrated Scenario Explorer'
- A spatial dynamic simulation model, linking aspects of economy, environment, and society
- Stand-alone software application
- A tool to **<u>support</u>** policy and spatial planning
  - by assessing the effects and trade-offs of alternative future

development scenarios or the consequences of policy options



Healthy environment Strong economy Vibrant communities

# Created through a research partnership

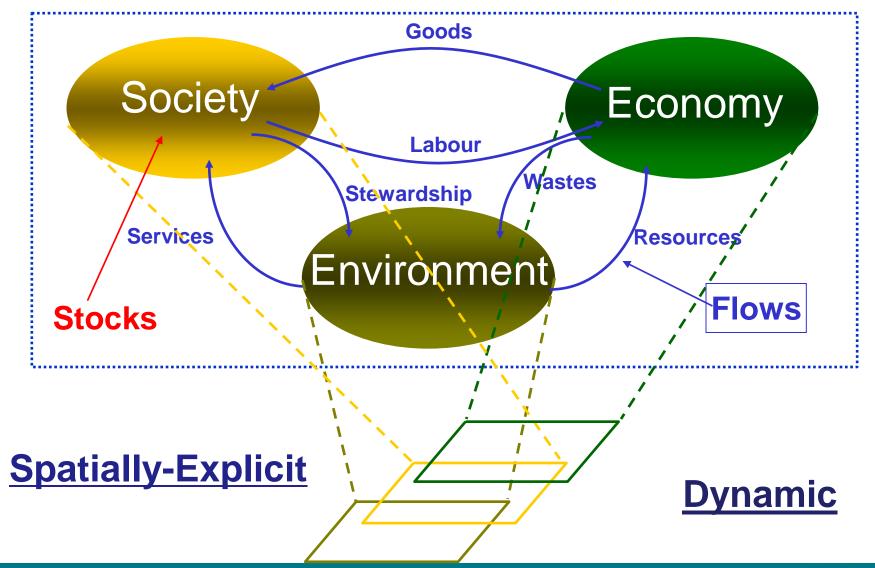




Healthy environment

Strong economy

## WISE uses a systems approach

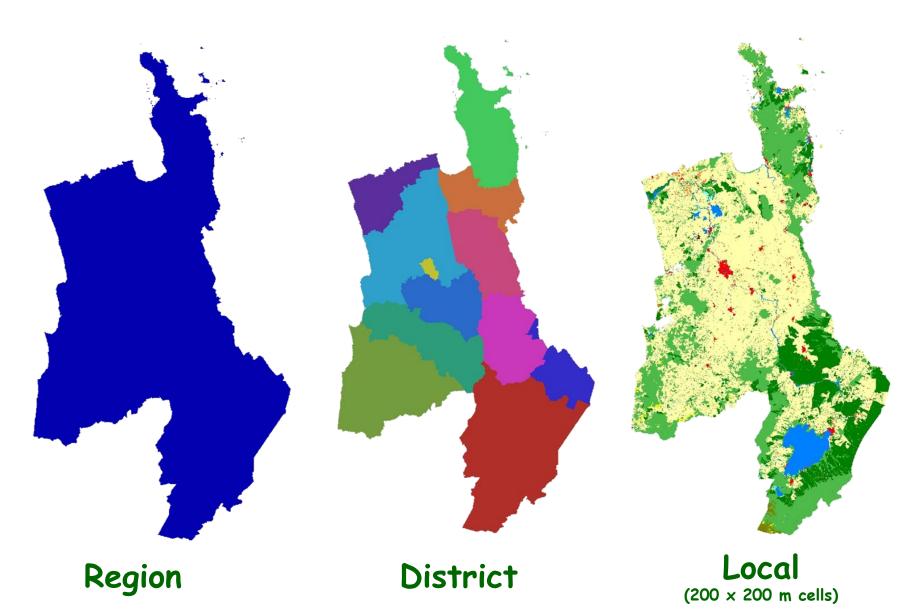


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Strong economy

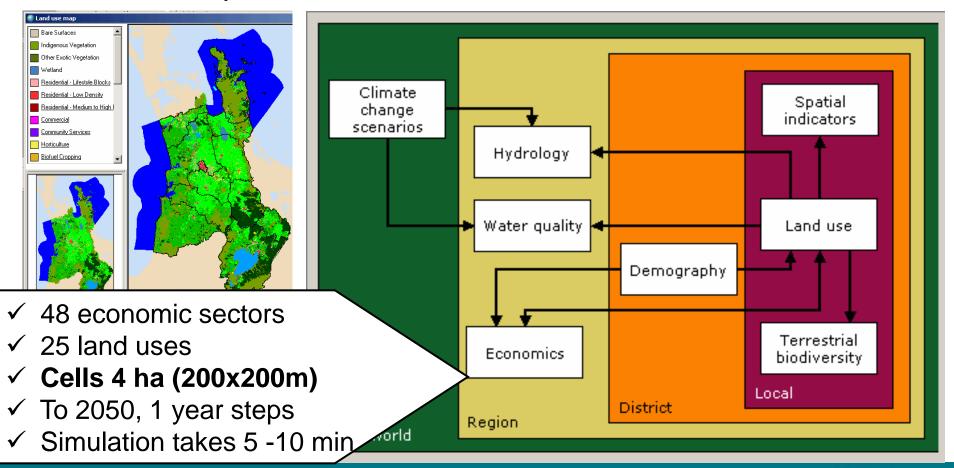


# WISE is multi-scale



# How WISE works

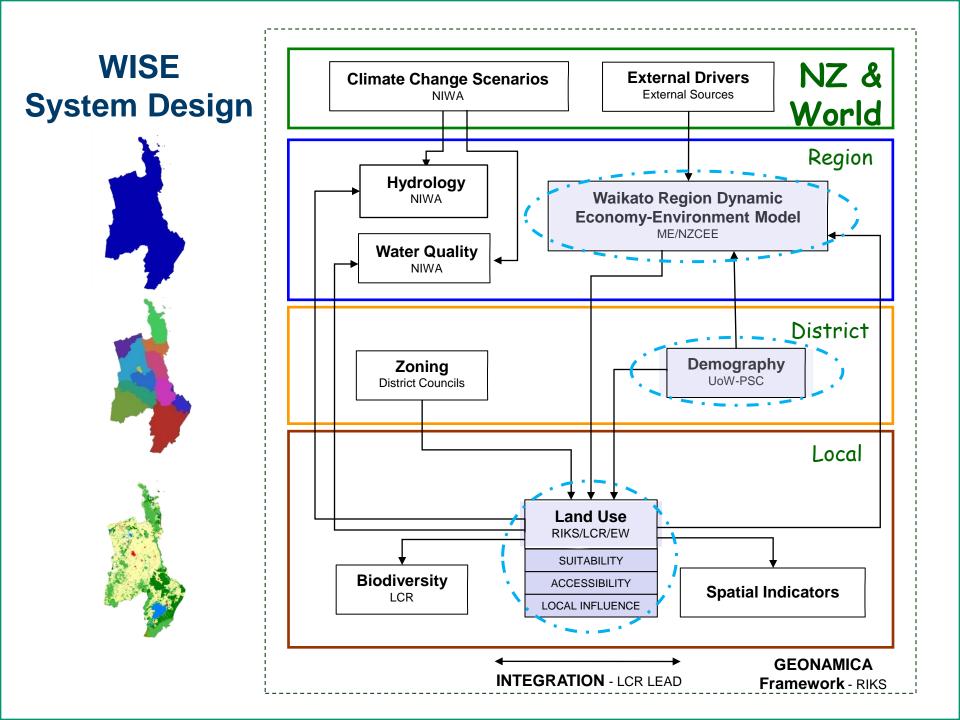
# WISE consists of an integrated set of models that operate across four spatial scales:



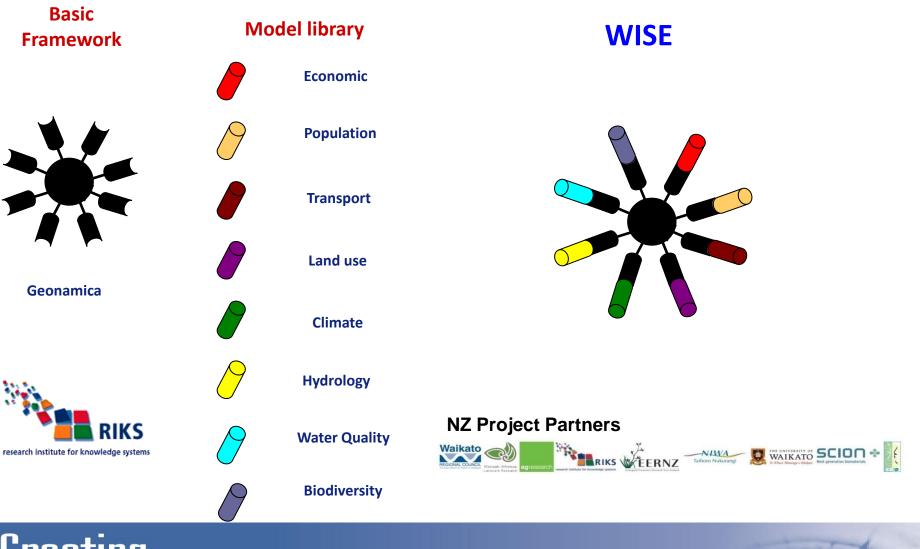
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# How WISE was built



Creating Futures

## **RIKS – Research Institute for Knowledge Systems**

Policy support

Models

Extensions

Services

Pricing

## Announcements

 New introductory training course planned for November 2011. Read more...

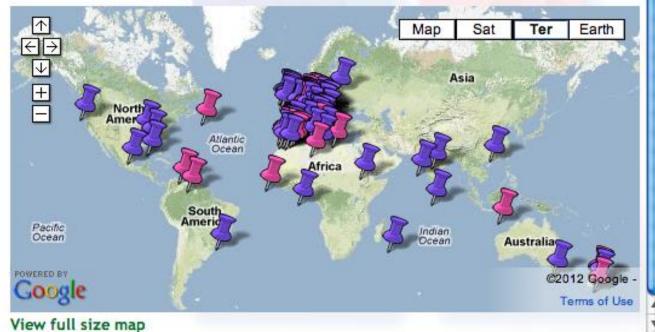
Metronamica version 4.2 now available. Read more...

You can use Metronamica to interactively simulate the impact of a variety of external influences and policy measures on the regional development of a city, region, country or even continent. With the integrated scenario support you can conduct what-if analyses that help you evaluate alternative plans or communicate the future problems that need to be addressed today. Since the models of social, economic, physical and environmental processes mutually affect each other, Metronamica presents a possibility for truly integrated analysis of real-world problems and solutions.

Download the Metronamica brochure (PDF).

### Worldwide users

Metronamica has been applied to a large number of cities, regions and countries worldwide. It is in use by various governmental and research organisations.



Get a free demo version Subscribe to mailing list



# Why WISE? INTEGRATION LONG-TERM SPATIAL

Land use map

Bare Surfaces

Indigenous Vegetation

Other Exotic Vegetation

Wetland

Residential - Livestve Blocks

Residential - Low Density

Residential - Medum to High

Commential

Community Services

Hoticulture

Biotuel Crooping



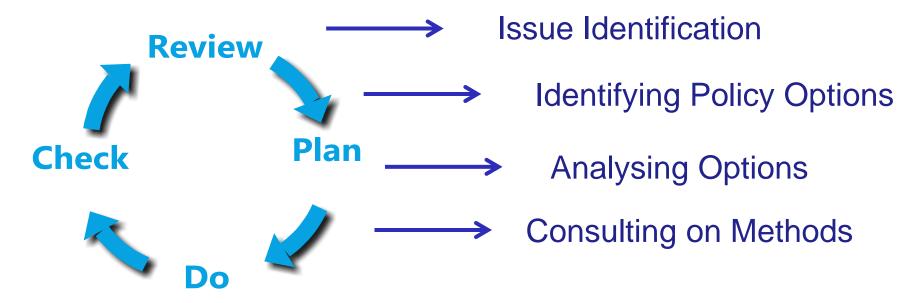
Environment

Society

**Economy** 

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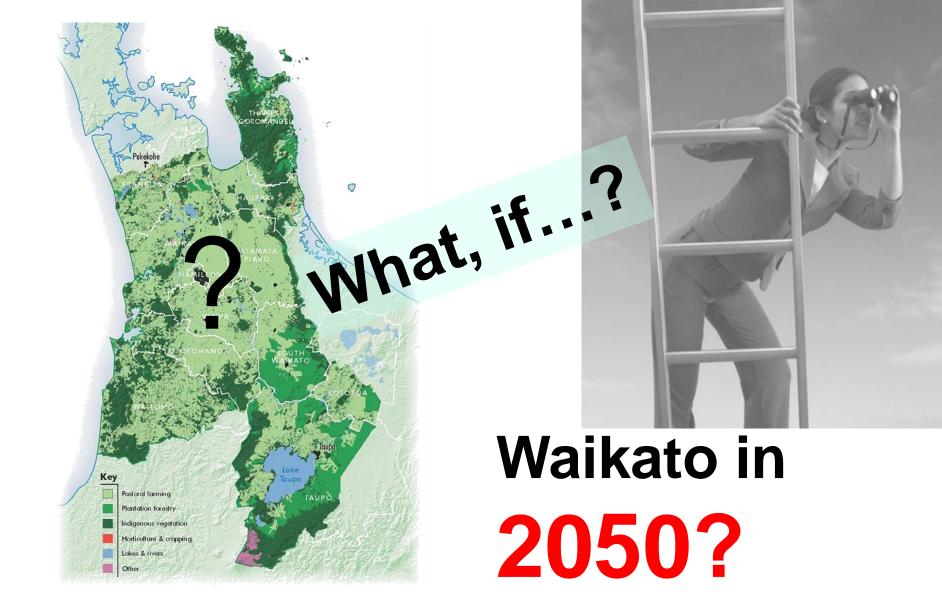
# How can WISE help you?





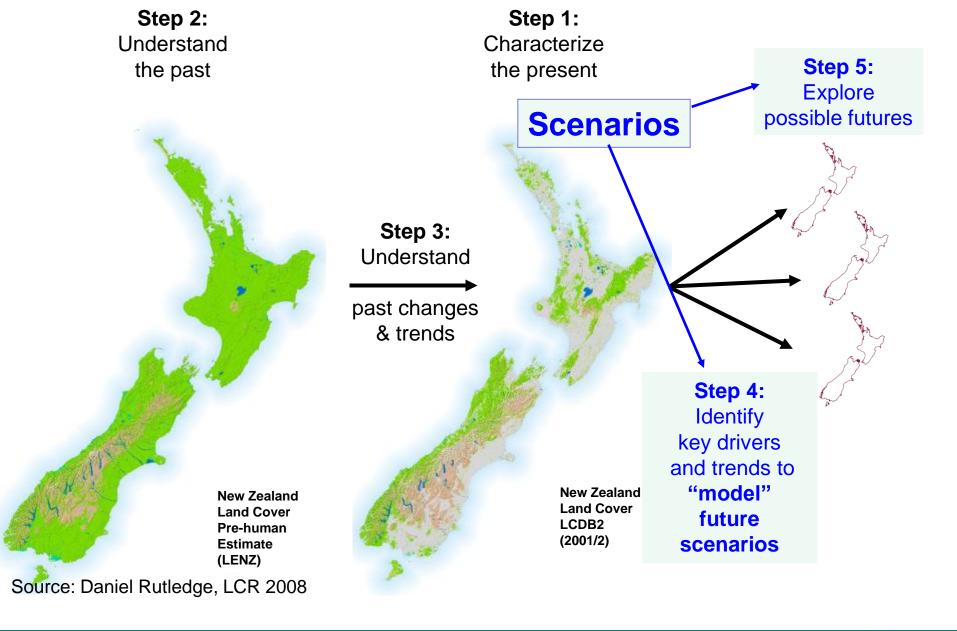
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