



Can we model futures scenarios for catchment management?





Can we model futures scenarios for catchment management? -IDEAS?

IDEAS

- Integrated
- Dynamic
- Environmental
- Assessment
- System

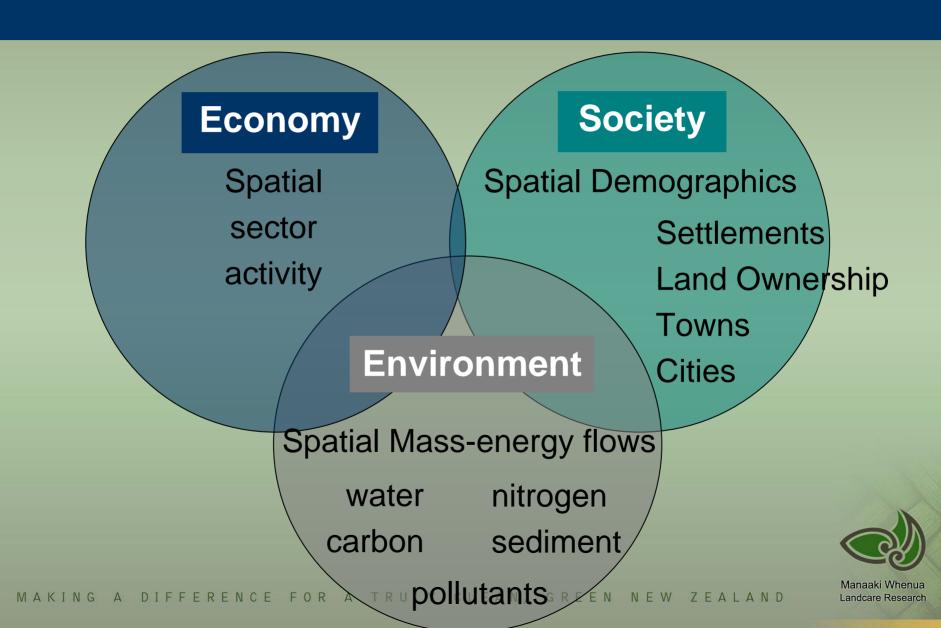


Required attributes

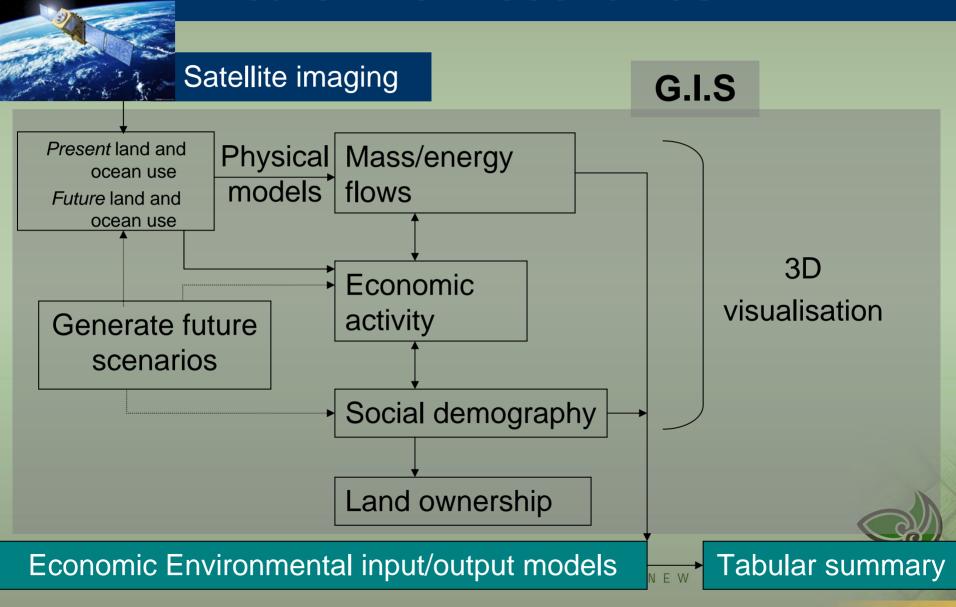
- Triple bottom-line approach
- Collaborative learning process
- Assessment of future catchment scenarios
- Dynamic

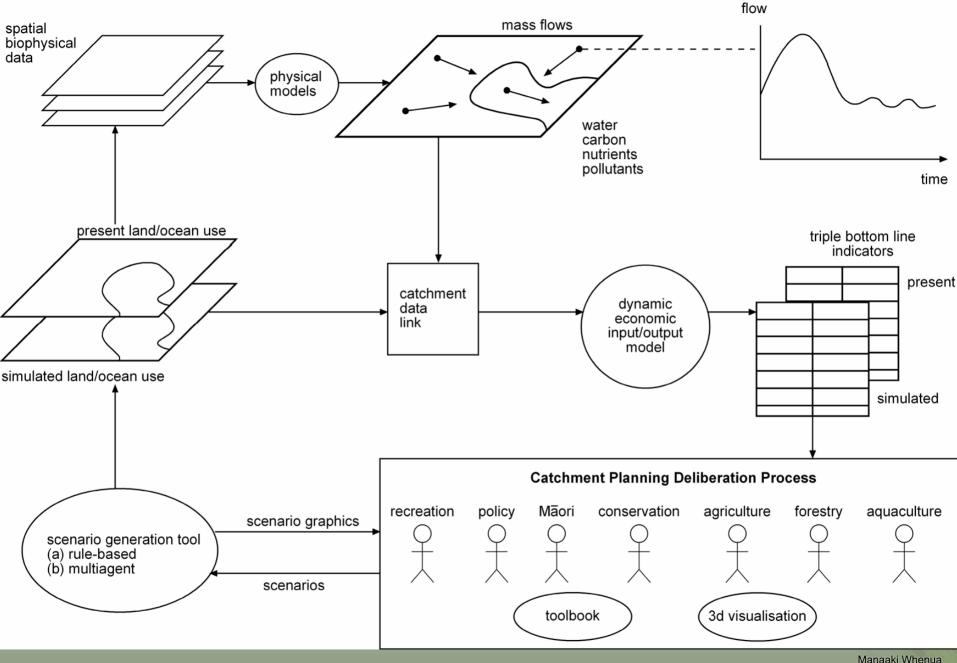


Triple bottom-line approach

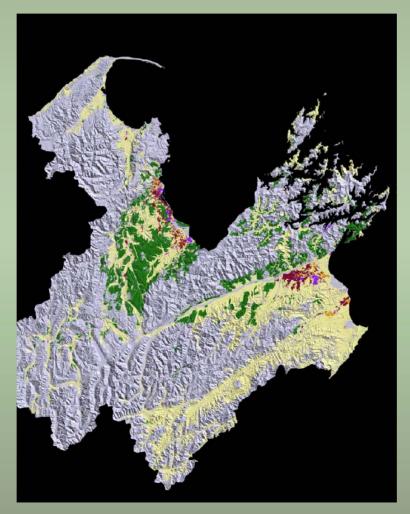


Dynamic assessment of catchment scenarios





Present land-based economic sectors from satellite





Physical model of erosion





Land-based economic sectors

	Tasman district	
Landuse	Average sediment yield (t/km2/yr)	Area (ha)
Built-up area	110	2126.8
Urban parkland	80	547.7
Surface mine	440	157.7
Dump	140	7.0
Transport infrastructure	280	476.1
Other	190	712655.0
Cropping	100	1313.1
Horticulture	90	9450.6
Pastoral agriculture	210	127259.0
Exotic forestry	180	104615.3



VIAKING A DIFFERENCE FOR A TRULY CLEAN, GREEN NEW ZEALAN

