



Pathways to meet the Challenge

Critical Change Projects

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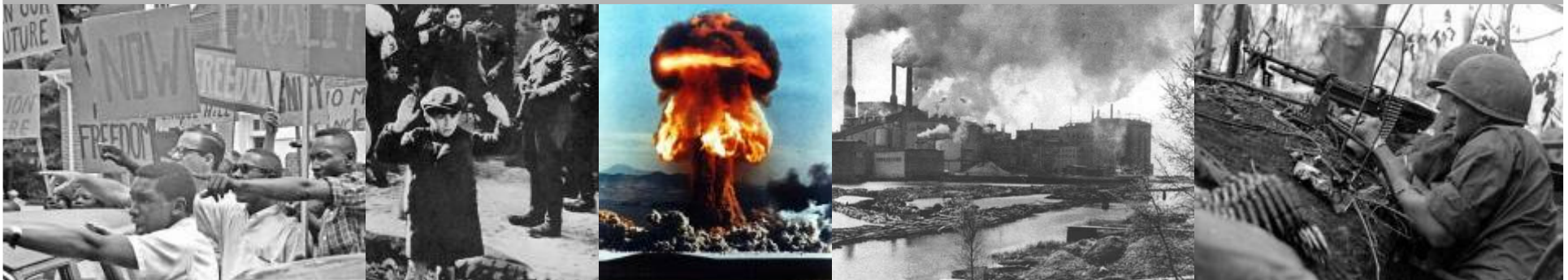


Pathways to Resilient Communities
7 March 2009
Te Papa Wellington

Every Generation

Changes what is not sustainable,
or they don't.

Choose Carefully



Pathway or Path Jump?

- Framework for the Pathway Projects
- Top priority projects



Finding the right path

*Un-sustainability is the problem,
Why are we still looking for solutions?*



Wasting Time for 20 years

- Electric Cars, Hydrogen Fuel Cells
- Carbon Footprint and Emissions Cutting
- Smart Meters, Distributed Generation
- Wind Energy, Marine Energy, Solar Energy
- Carbon Capture and Sequestration
- Reducing Pollution, Improving Efficiency

Eliminating Un-Sustainability?

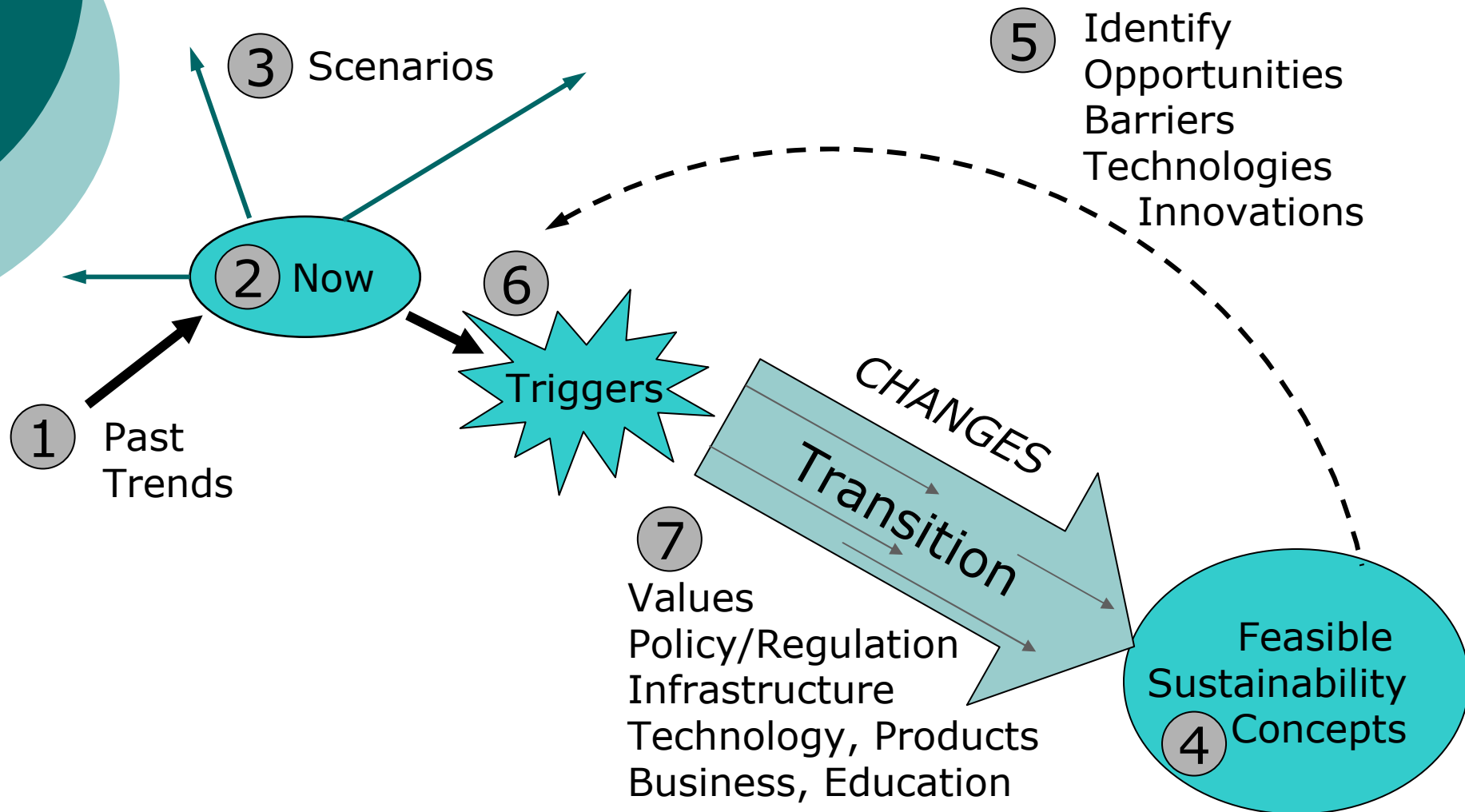


Maybe the parts are correct...



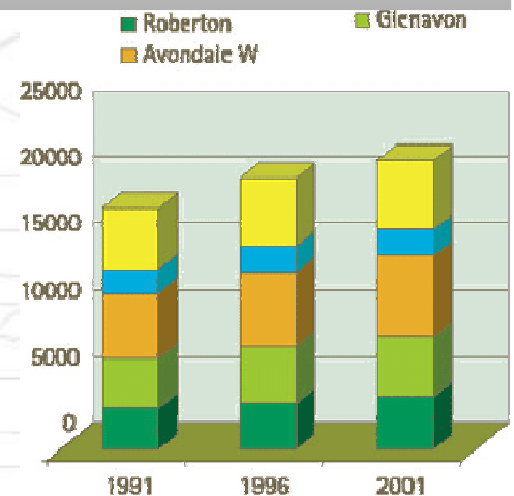
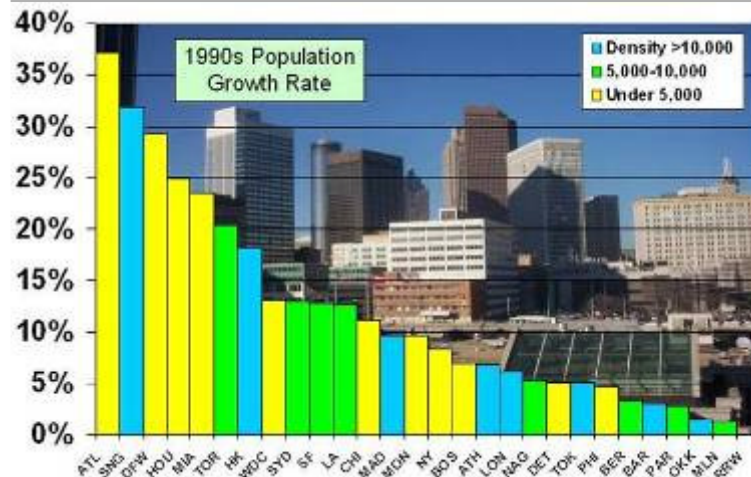
But we're not working together on the whole

Framework for Pathway Projects



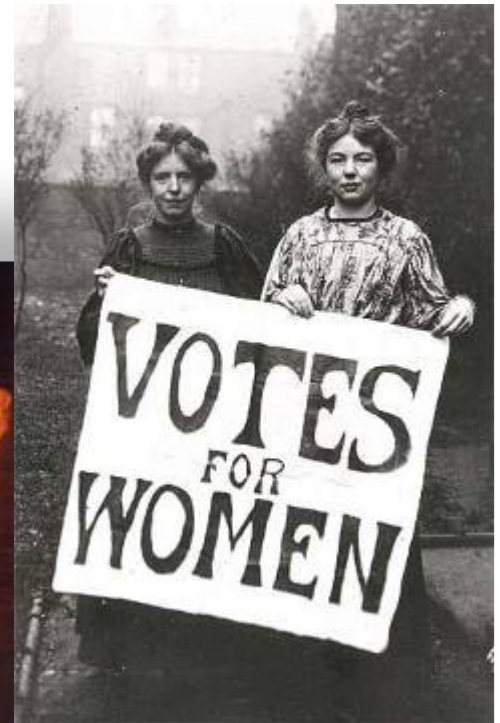
1 - History

- How have we been growing?
- What has happened?
- What factors were at play?



1 - History

- What did people do before?
- Why didn't we do something earlier?
- How do things change?



2 - Current Status

- How many of us are there?
- What are we buying?
- What are the benefits?
- What are the impacts?



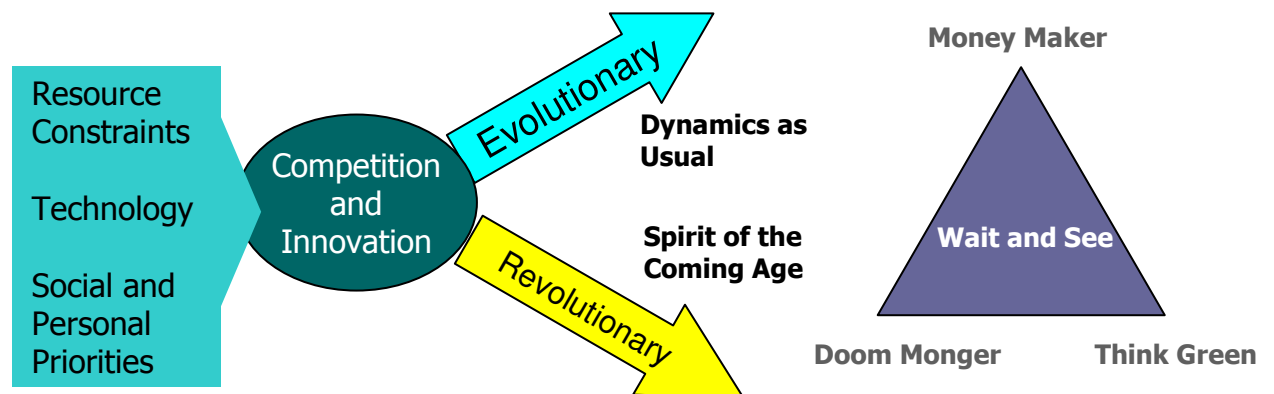
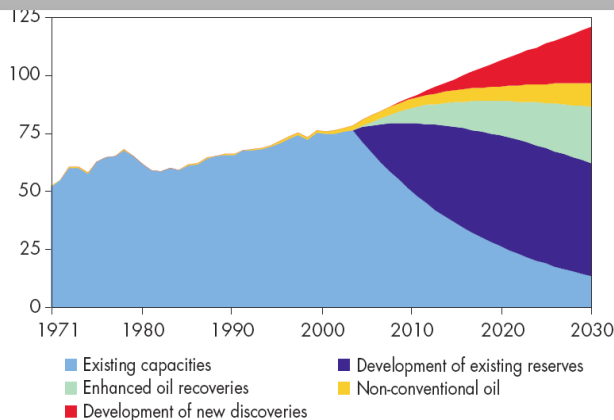
2 - Current Status

- What are the problems, issues, risks?
- What is un-sustainable?
- What mistakes should we not repeat?



3 - Scenarios

- BAU - Continuing Trends
- Evolution vs Revolution
- Green Economic Growth or Decline
- Break-through Technologies



4 - Concept Generation

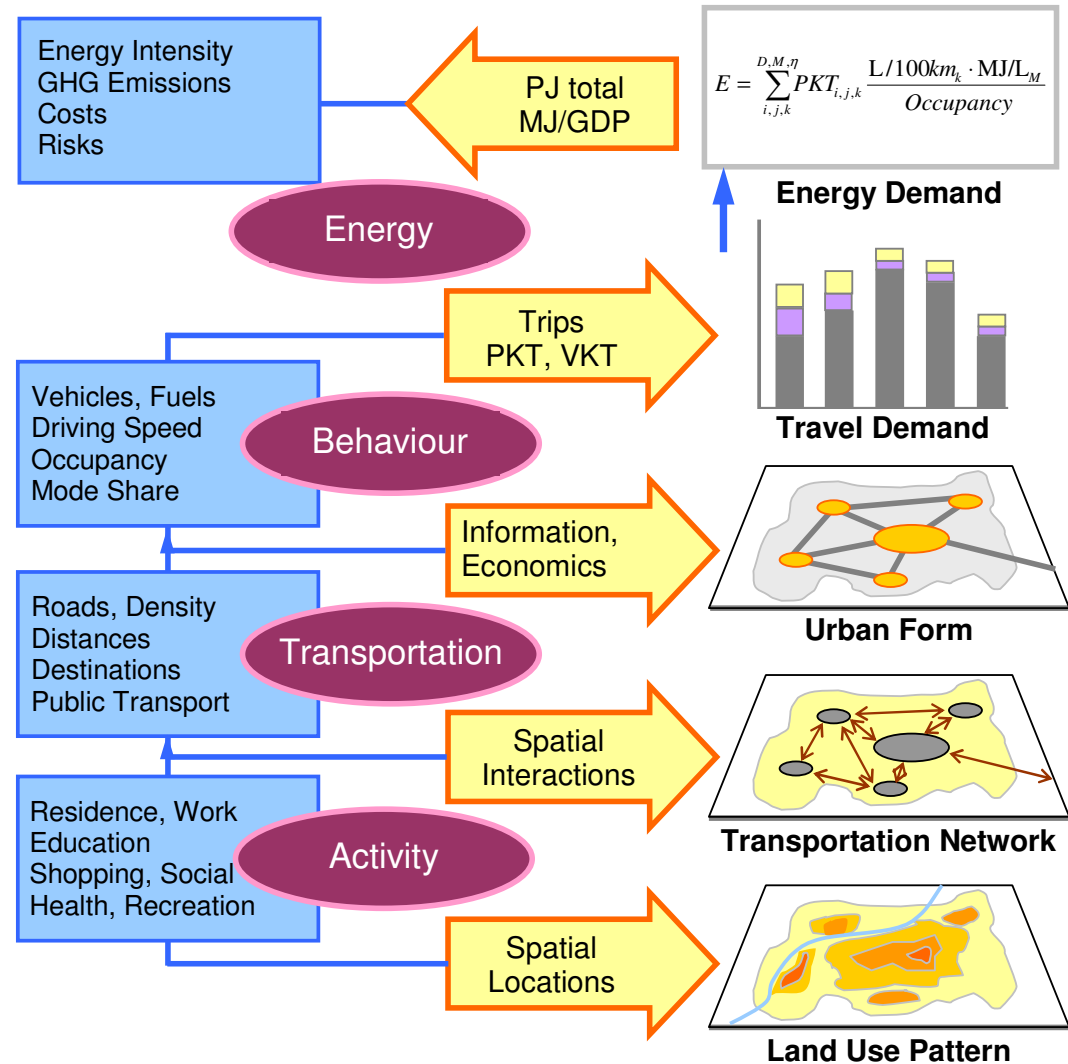
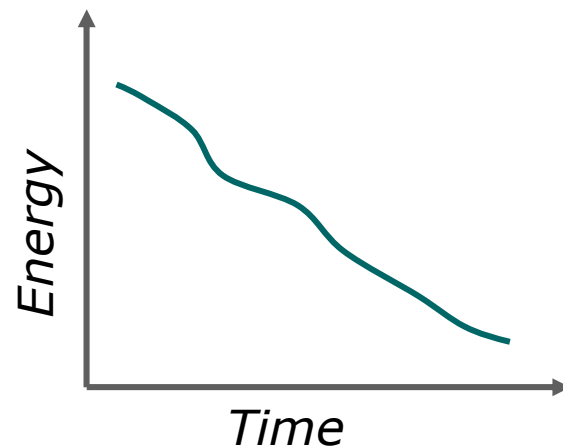
- Us, but Sustainable
- Free Play, Brainstorm, Vision
- Must be modelled for feasibility

Feasible Sustainability



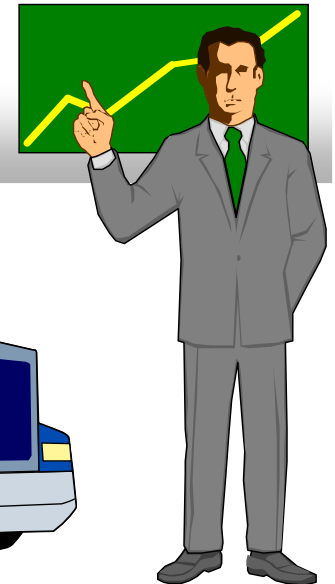
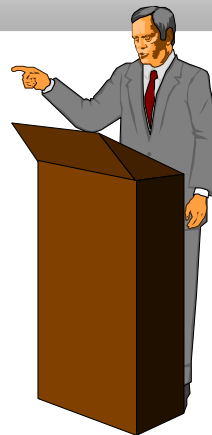
4 - Feasible Sustainability

Re-Development Planning

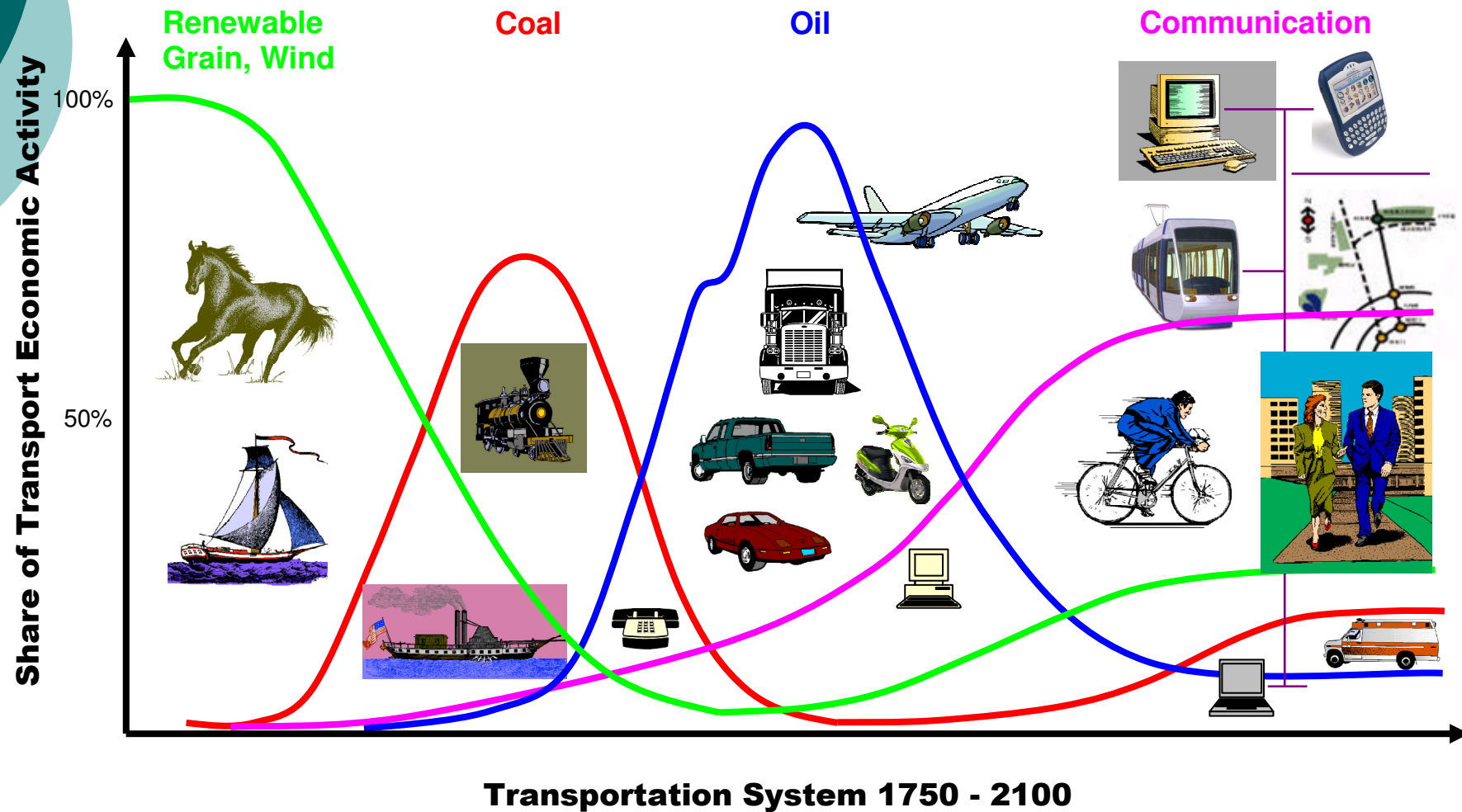


5 - Back Casting

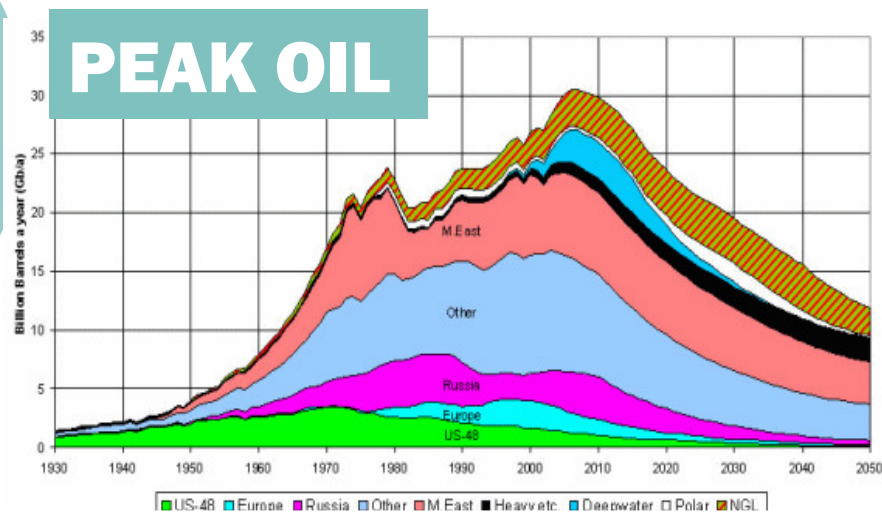
- What are the real differences between us and sustainable us?
- Mapping the change path
- Barriers to change
- Opportunities for change



5 - Back Casting



6 - Triggers



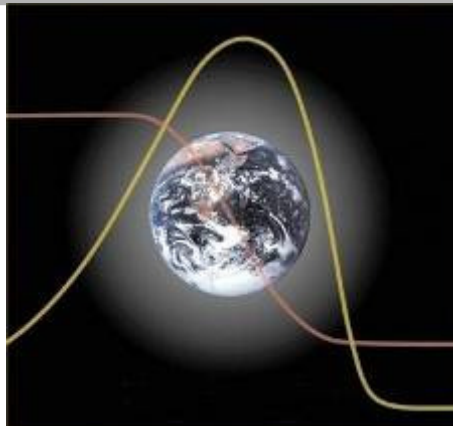
Social Change



7 - Primary Change Projects

Governments and Businesses

- Risk Management
- Demand Management
- Establishing & Achieving Limits
- Re-Development for Sustained Value



7 - Primary Change Projects

Individuals and Groups

- Cooperative Neighborhood Re-developments
- Utilisation Networks
- Transition Space
- Reforestation Reserves



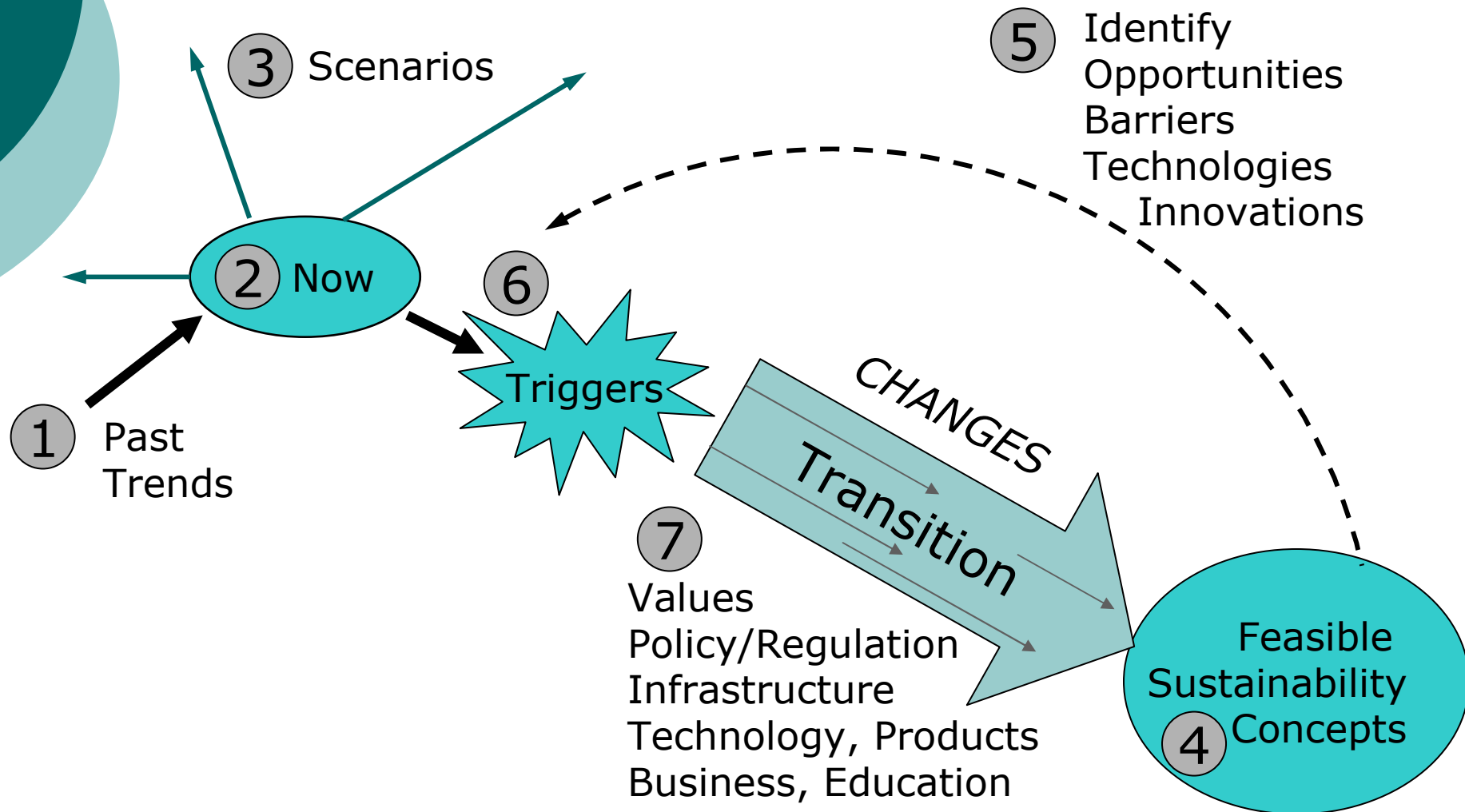
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- Primary Change Projects

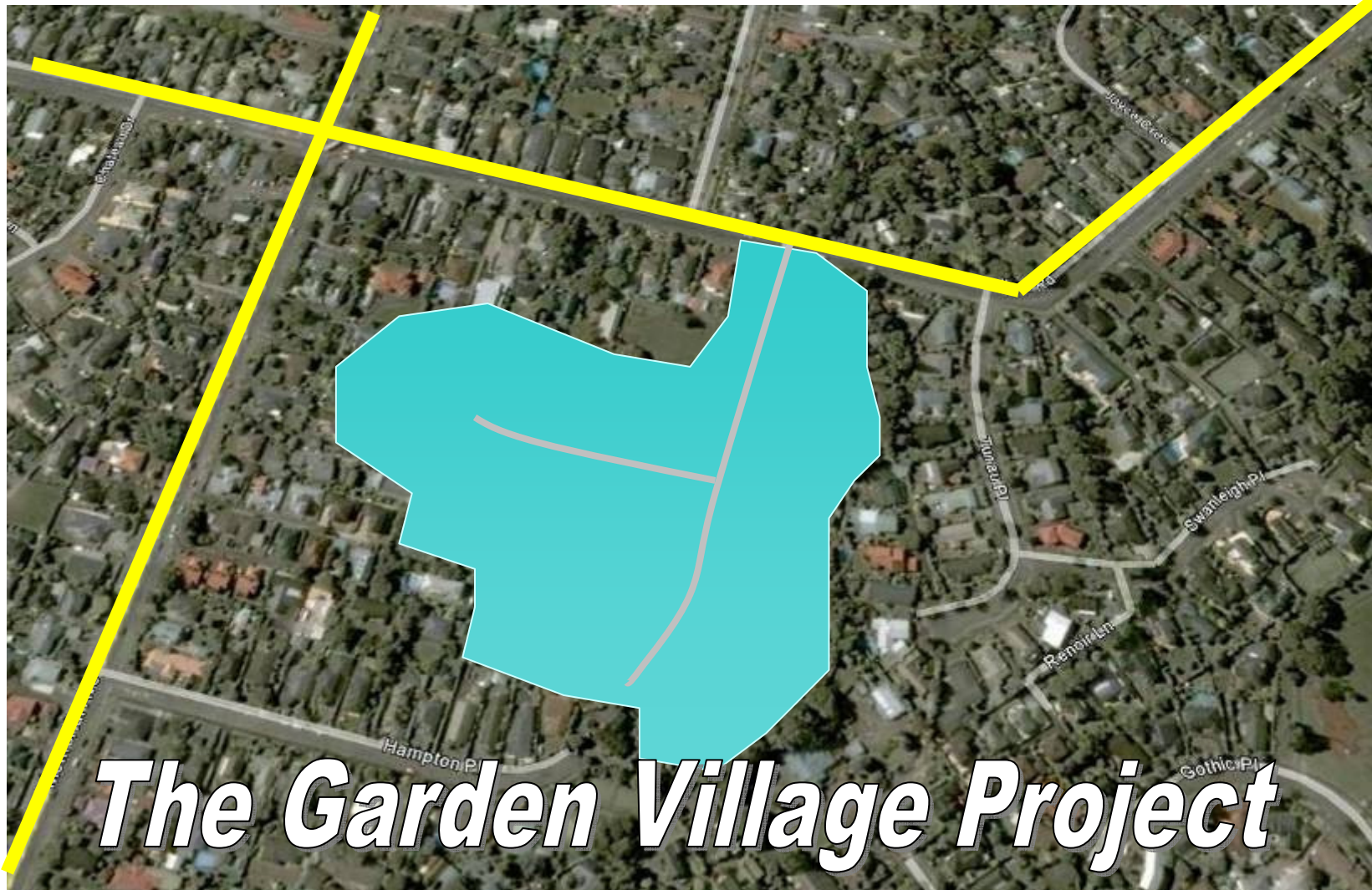
- Youth – You are the key to Social Change and Values Change



Framework for Pathway Projects



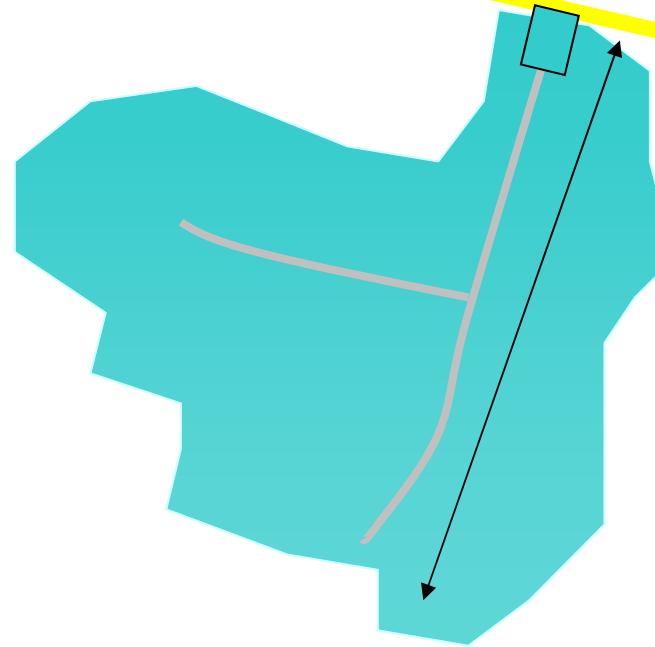
Example Change Project: Neighbourhood Re-Development







Neighbourhood Re-Development



*55 Homes
Maximum 320m
12,000 m² Pavement
230 Cars
Potential 250k kg food*

Vision of Re-Development



TransitionSpace

- Why did every tiny village in New Zealand have a church?

*Social
Capital*



