



## Evaluating policy experiments for inclusive low carbon innovation

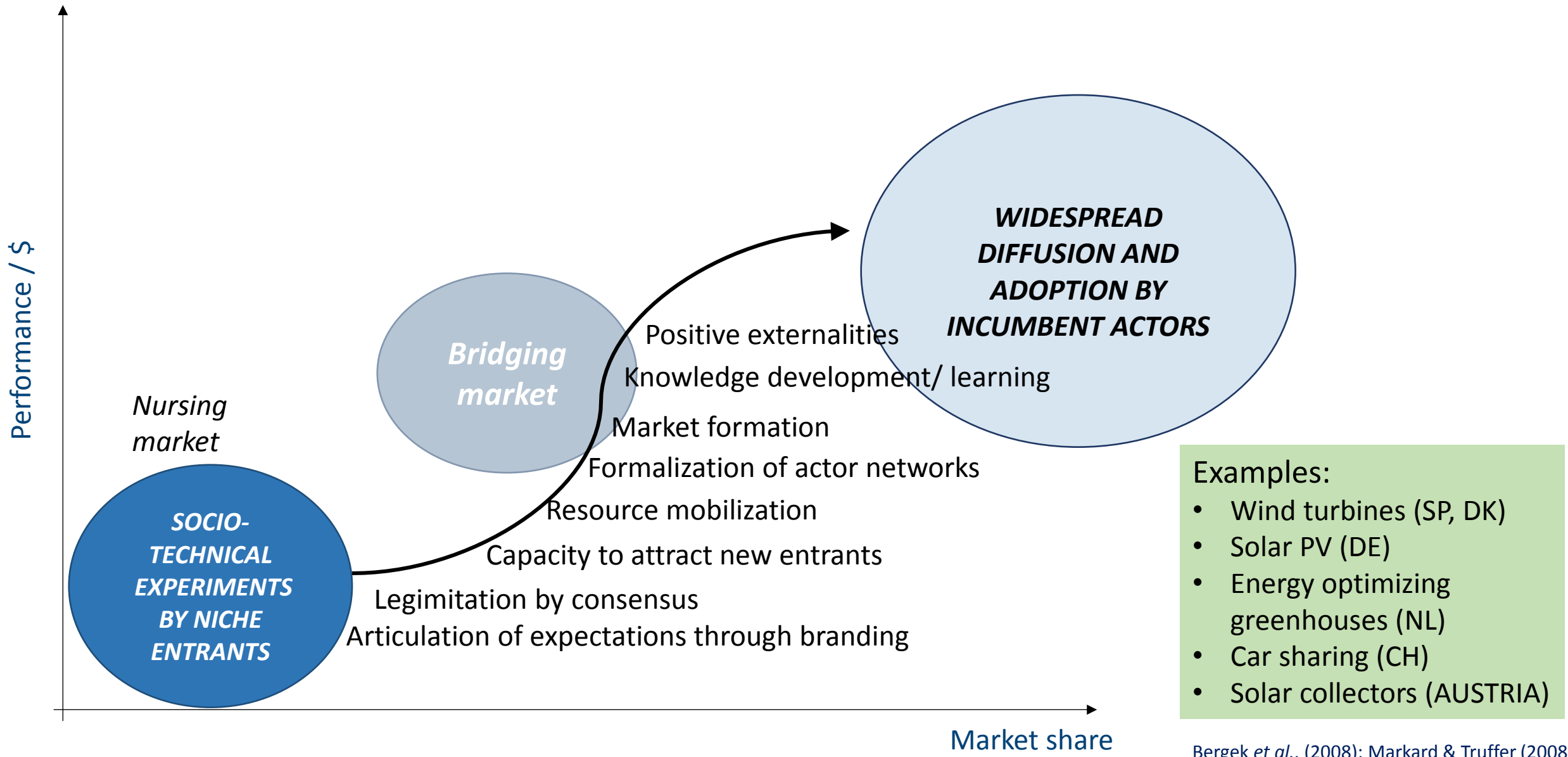
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# OUTLINE

1. Roadmaps for our low carbon transition from theory and practice
2. Implications for how we make policy decisions and learn what works
3. Current policy and evaluation practices in New Zealand public sector (preliminary observations)
4. Alternative approaches to evaluation and barriers to uptake
5. Next steps, questions to you

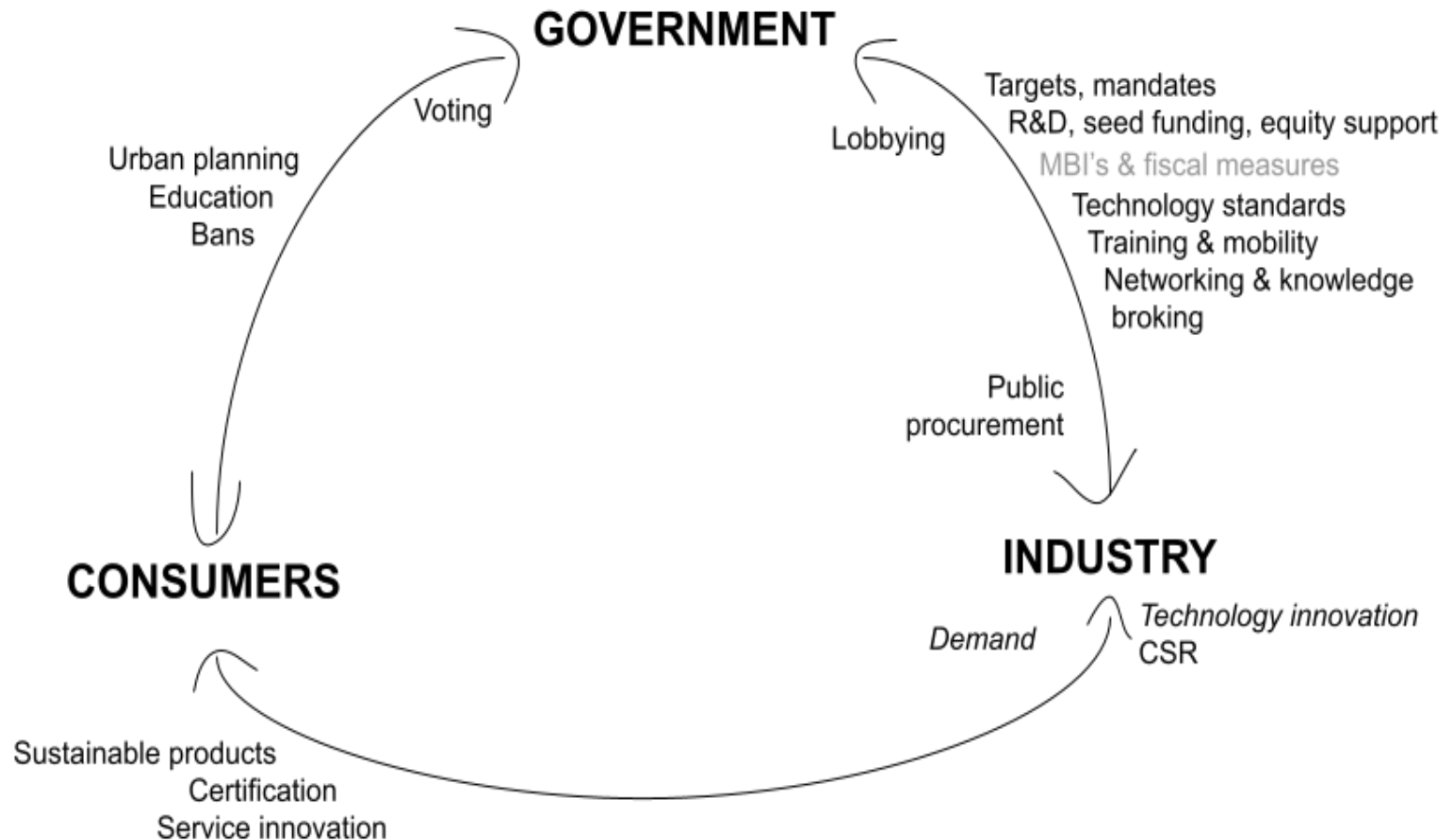
# 1. Theories providing roadmaps for understanding our low carbon transition



## 2. Implications for how we make policy decisions and learn what works

- Move away from a CC policy for and by incumbents
- Broader, deeper engagement of 'niche' actors in CC policy processes: civil society groups, iwi, start-ups, local government in localized strategies
- Resourcing diverse small-scale experiments followed by evaluation, reflexive governance to enable scaling
- Systematic ex-post evaluation and communication of co-benefits
  - 50% - 350% of direct energy benefits
- Regional entities (local government?) as knowledge broker, facilitator, co-ordinator
- Co-ordination across government (vertical) and industry, and civil society (horizontal)

## 2. Implications for how we make policy decisions and learn what works

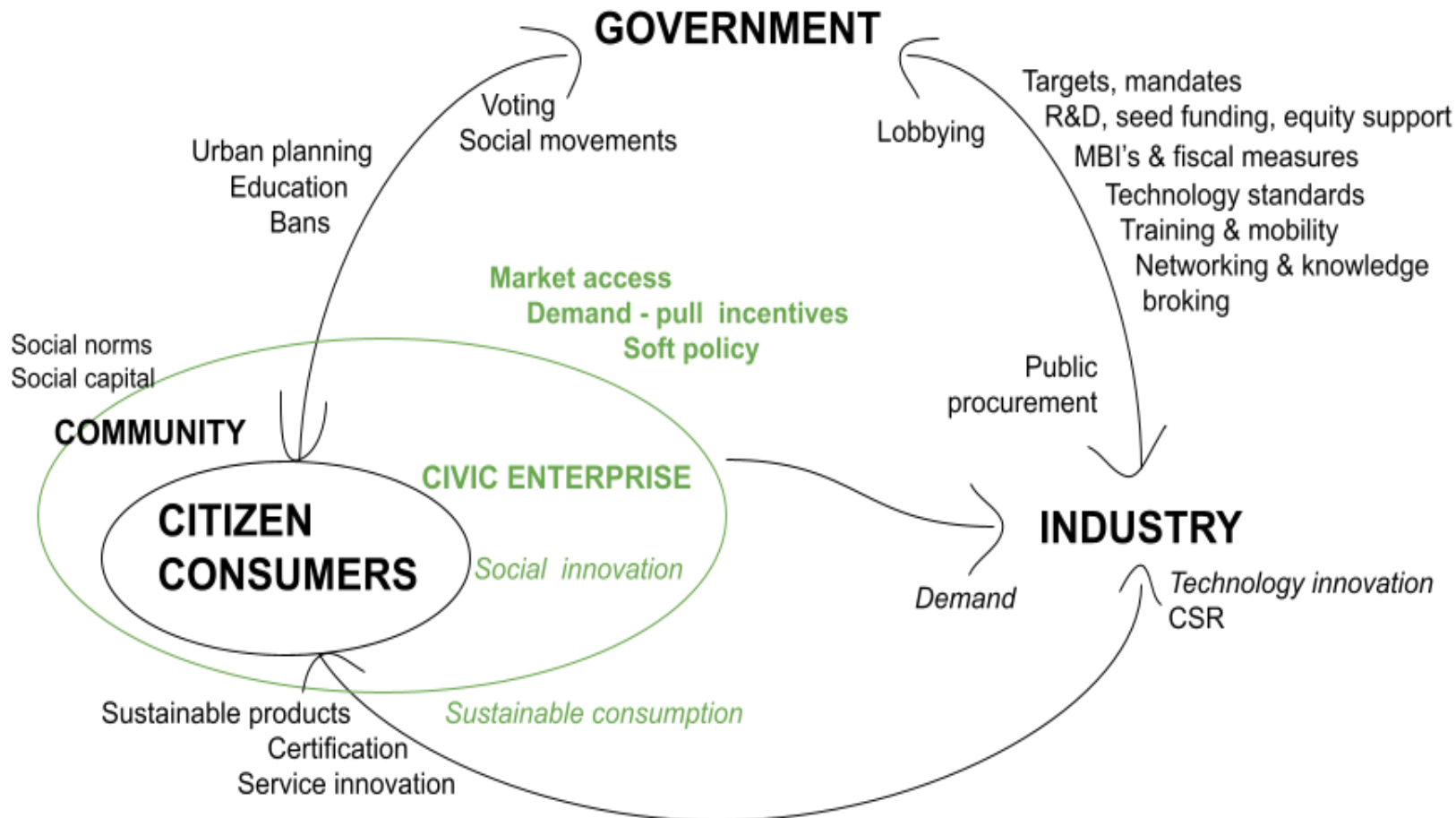


- From supply- push and individual choice...

Patrick:

*“I'm worried about climate change but my family drives two cars, and you won't catch me on a bike. I eat meat daily. I love international travel. I use heaters when I could rug up”*

## 2. Implications for how we make policy decisions and learn what works

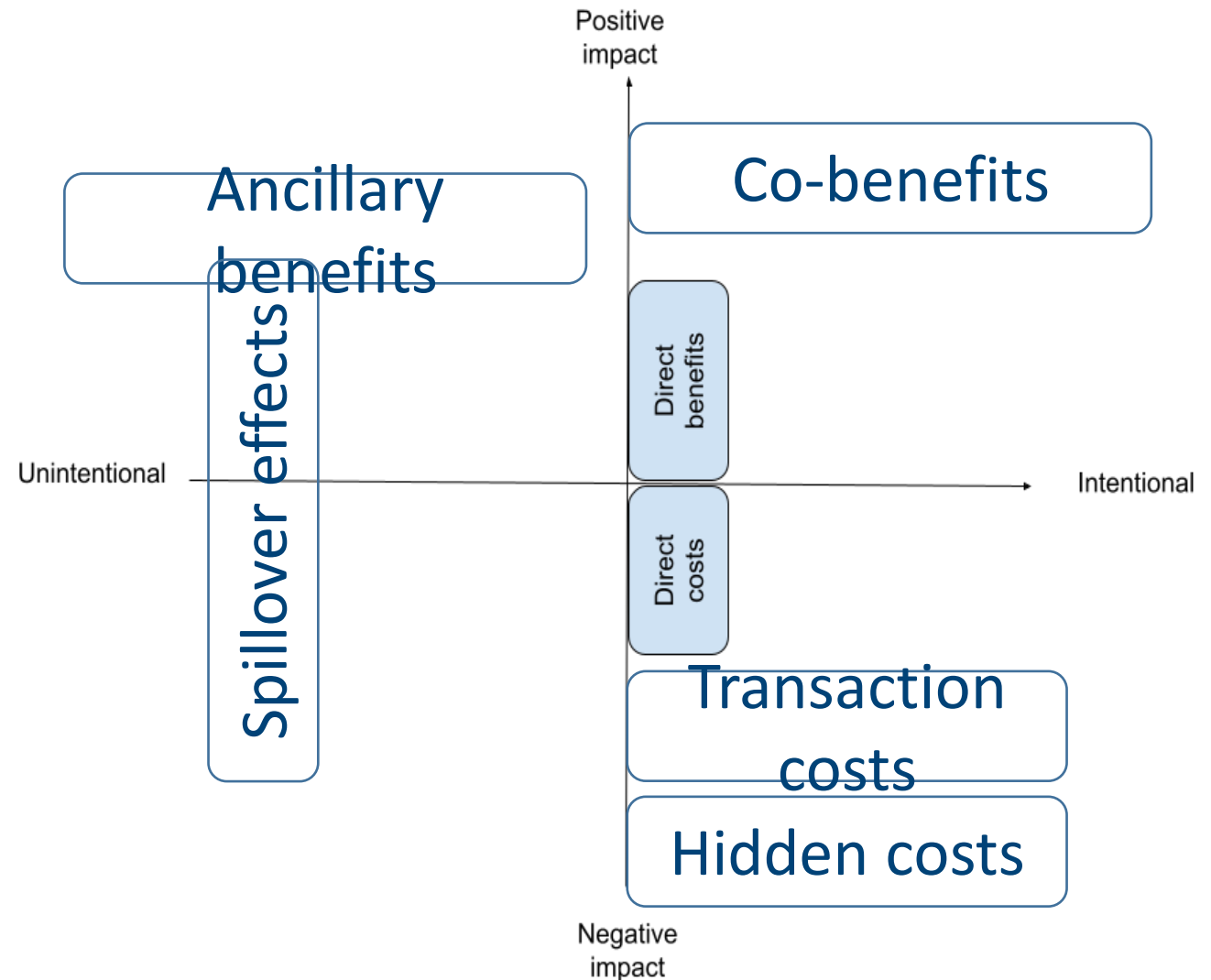


- ..to demand-side policies & local innovation experiments

*Giving Patrick the tools to engage with the problem*

### 3. Current policy & evaluation practices in New Zealand public sector

- Ex- ante cost benefit analysis
  - No or little assessment of qualitative and indirect impacts critical to medium to long term success
  - Little consideration of innovation impacts: spillover effects, ancillary benefits
- Ex- ante MCDA without broad engagement
- Little ex-post evaluation



### 3. Current policy & evaluation practices in New Zealand public sector

- Top-down and exclusive
- Little agreement of the overall change process, roles and responsibilities
- Few consensus-based sectoral strategies or roadmaps
- Focus on supply side technological fixes ('biggest bang for buck')
- Consumers disengaged ('information' campaigns)
- Ad- hoc policy making

#### Example: support for community energy

- Cost-inefficient; unequal access
- + Public buy-in; social cohesion and empowerment, local employment and income effects, access to affordable energy, deferred grid expansion costs; ability to use waste heat, grid stability; energy literacy, knowledge and skills development, Technological learning & demand for nascent services



## 4. Alternative approaches and barriers to uptake

- Identifying and removing barriers for niche actors pursuing ‘radical’ ideas focused on:
  - Novel technology applications/ business models for consumer engagement beyond resource efficiency
  - Social and economic co-benefits
- Decision support for regional climate strategies and comparative assessment of portfolios of mitigation measures
  - Participatory MCDA to bring in local knowledge and expertise
  - Integrated Assessment Models to estimate indirect effects
- Analytical capacity and resourcing

## 5. Next steps, our questions to you

1. Identify challenges and opportunities for evaluation facing policy analysts and programme managers
2. Develop best practice guidelines for
  - Participative ex-ante evaluation of regional mitigation strategies ('futuring', 'visioning')
  - Integrating qualitative and quantitative social, environmental and economic impacts in ex-ante and ex-post evaluation
3. Develop and pilot a feasible approach to evaluation that can be used to situate and assess 'experiments' in context of the wider transition.

Dank je wel / Thank you / kia ora

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