



# THIS

is where you run away screaming like a scared little scientist

### Some starting principles

#### Co-design/co-innovation

- Stakeholders embedded in programmes
- Advantages (accessible, relevant, more robust outcomes)
- Disadvantages (time/fatigue, value proposition vs business as usual?)

#### Additionality

- Transdisciplinarity
- Across disciplines & institutions
- Partnerships

#### Idea generation and testing

- "Fast fail"
- "Left field" ideas

# The beginning

"To enhance primary sector production and productivity while maintaining and improving our land and water quality for future generations"





Meeting societal requirements

More value from primary sector chains

Land and water management to limits

Better primary production systems

#### Research landscape map

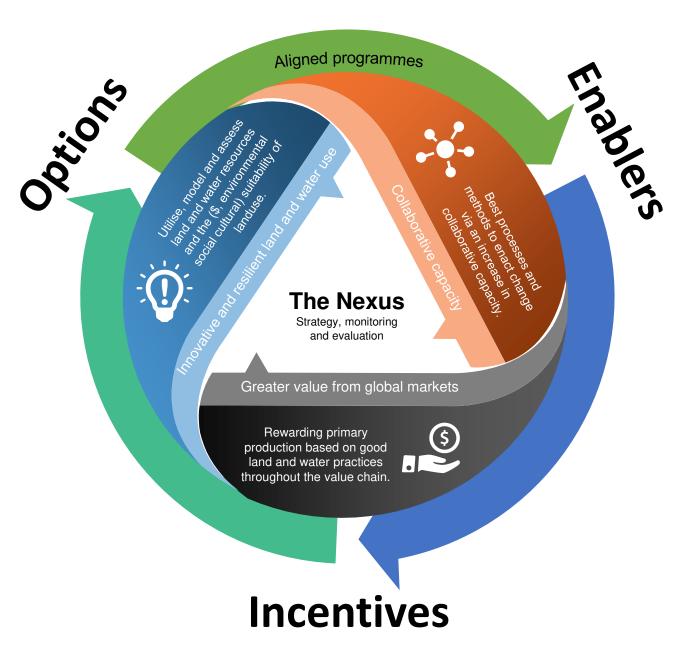
What's being done?

How well is it being done?

What is missing?

### Thematic structure

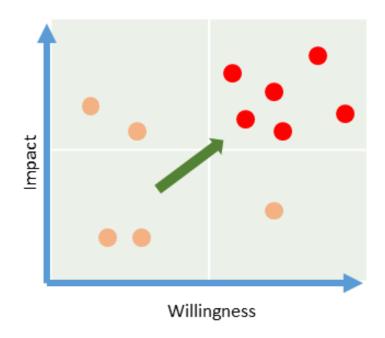


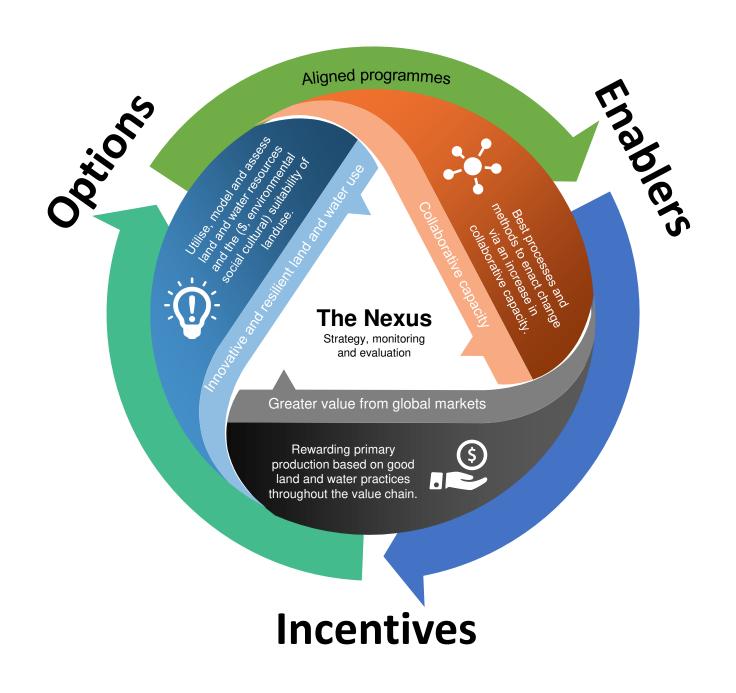


### The Nexus

Strategy

Monitoring & Evaluation (KPIs, engagement)

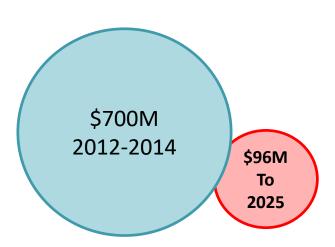


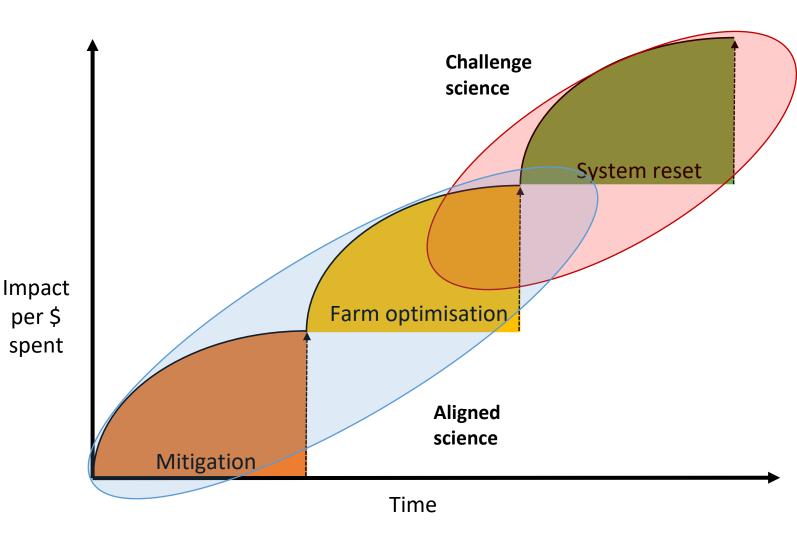


# The niche for challenge-funded science

#### Strategy

- Value chain as an incentive for practice change
- Alignment and prioritisation (reciprocity)



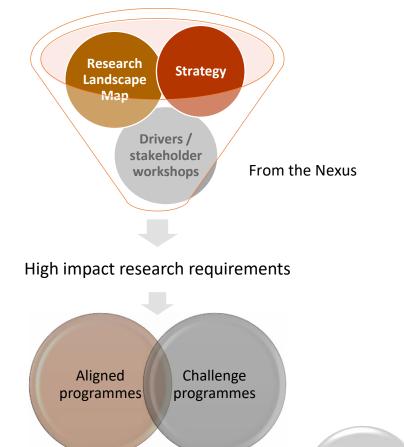


#### Processes and Research Portfolio

# The research development process and scientific rigour

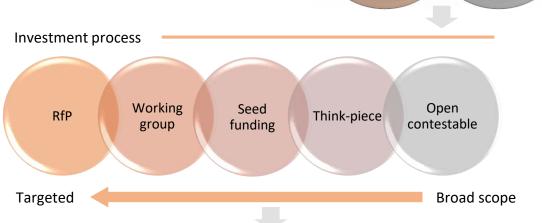


- 1. Funding for evidence base
- 2. Socialise findings and draft research questions
- 3. Decision based on 1 and 2 for RfP, working group or seed funding



International

connections



#### Research portfolio

#### International connections





The Joint Programming Initiative on Agriculture Food Security and Climate Change (\$2M EU, \$2M OLW + aligned)

- Meeting the UN Sustainability development goals.
- Implications for NZ trade.



Farm management systems for precision farming (\$?M EU, \$0.9M MPI +  $\sim$ 1.8M OLW)

- Sensors and decision support.
- Applications and farm management systems.



Sustainable and resilient food production systems (\$0.2M OECD, \$2M OLW + aligned)

