

New Zealand's productivity story – what do we know, what are we guessing at?

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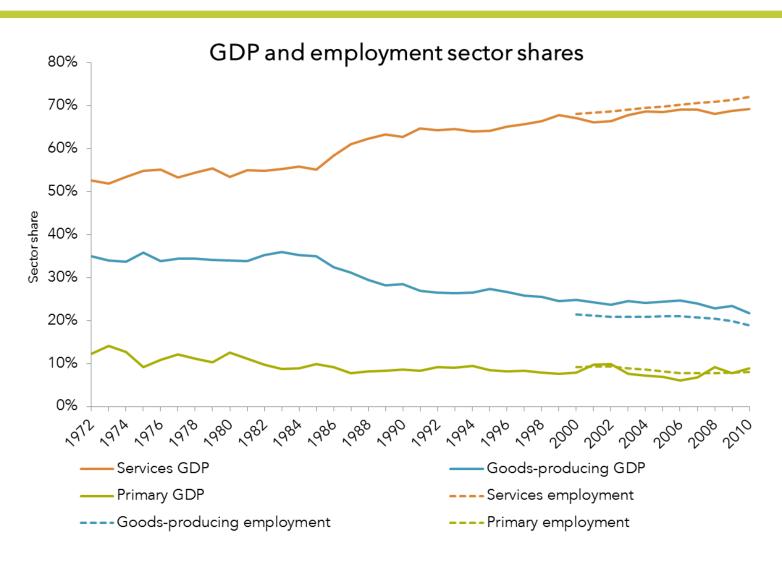


Outline

- 1. Historical context and the New Zealand Productivity Commission
- 2. Aggregate and industry productivity
- 3. International comparisons
- 4. The productivity distribution why so wide?
- 5. Causes of New Zealand's poor productivity



The rise of the services sector







Our organisation		independent Crown entity three Commissioners ~15 staff, plus contractors
Our work	•	2 inquiries per year topics chosen by Government in-depth analysis taking ~12 months public engagement/consultation real-world, practical policy advice to government

Inquiry topics to date



In progress

- Services sector
- Regulatory design and operation

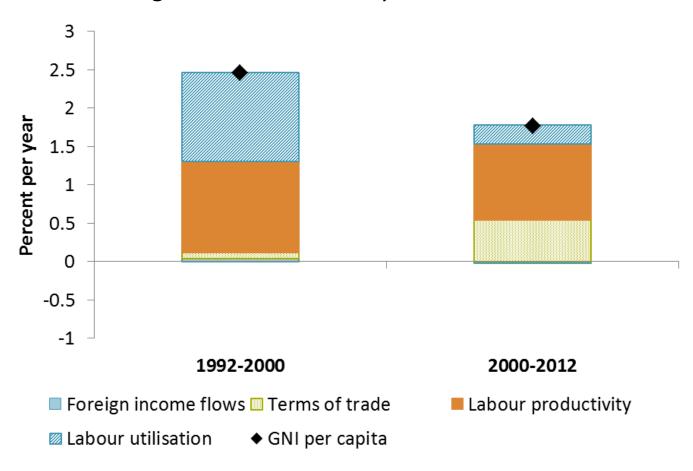
Completed

- Local government regulatory performance
- Strengthening trans-Tasman economic relations
- International freight transport costs
- Housing affordability



Source of NZ's income growth

Productivity is key to income growth: Labour productivity has accounted for 55% of NZ's income growth since the early-1990s.



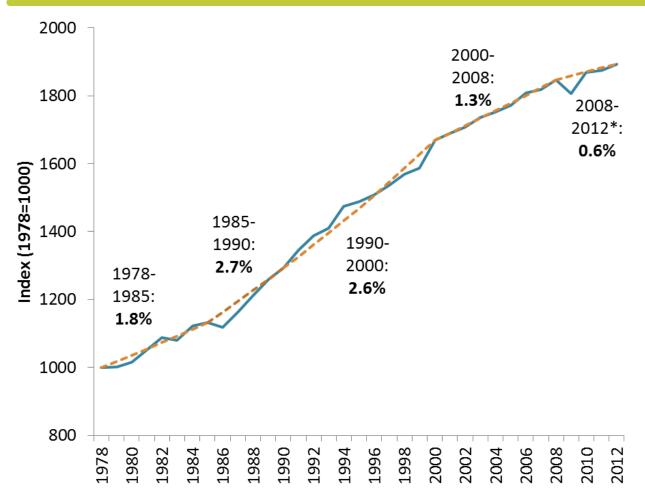
Source: SNZ; authors' calculations

Aggregate (measured sector) productivity performance









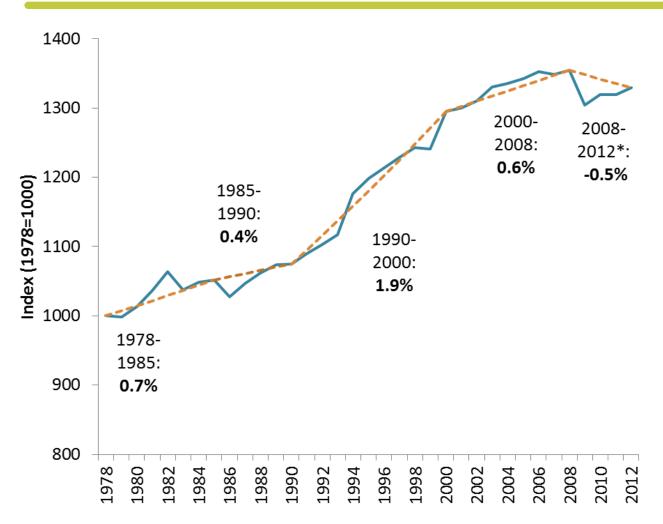
Labour productivity growth strong in late-1980s and 1990s, but weaker in 2000s.

Source: SNZ; authors' calculations



Multi-factor productivity growth



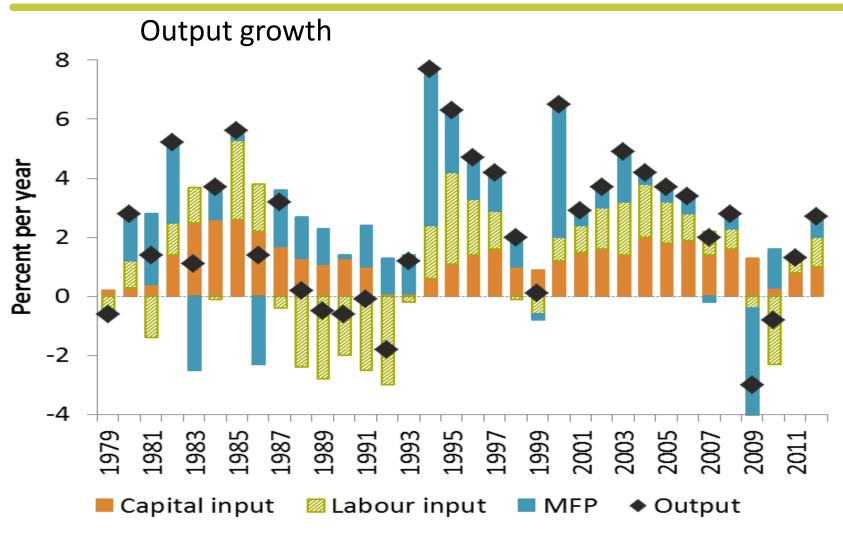


MFP growth strong in 1990s compared with other periods, but has weakened in 2000s.

Source: SNZ; authors' calculations



NZ's long-run growth dynamics



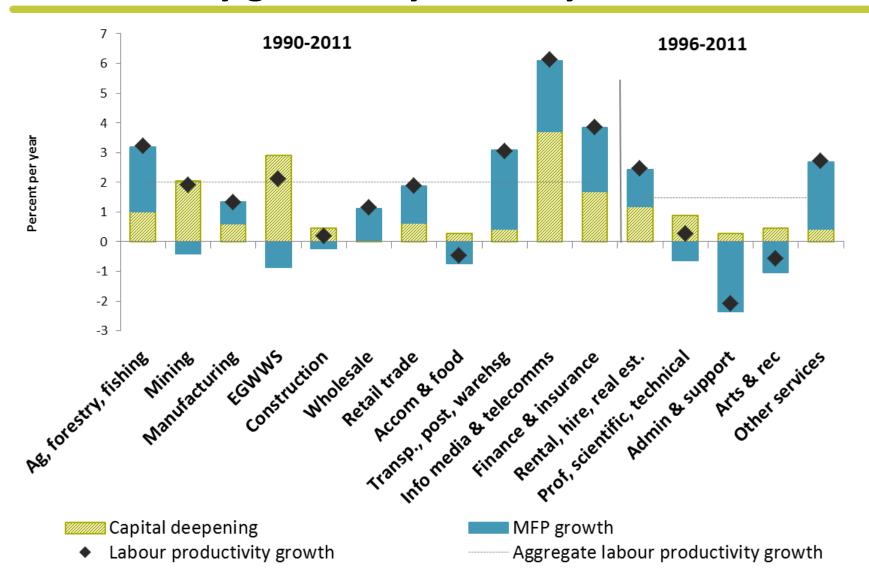
Source: SNZ

New Zealand's productivity growth by industry

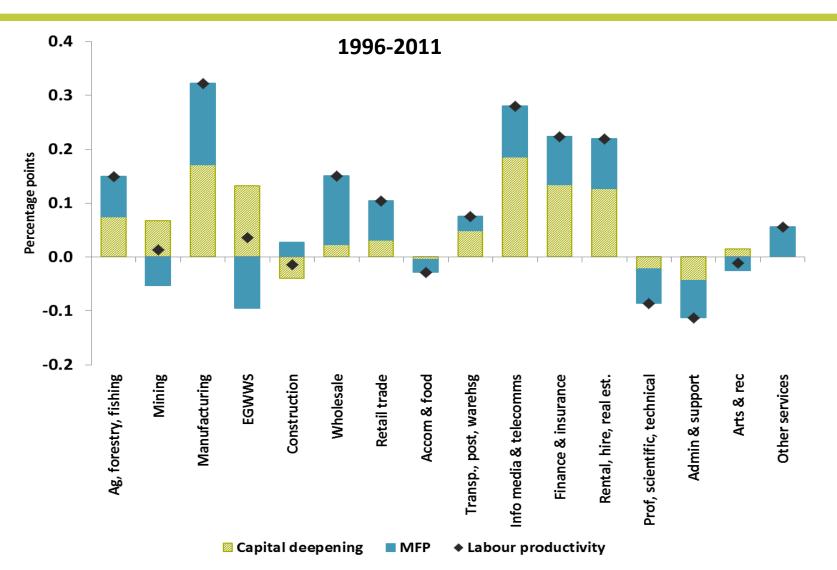




Productivity growth by industry

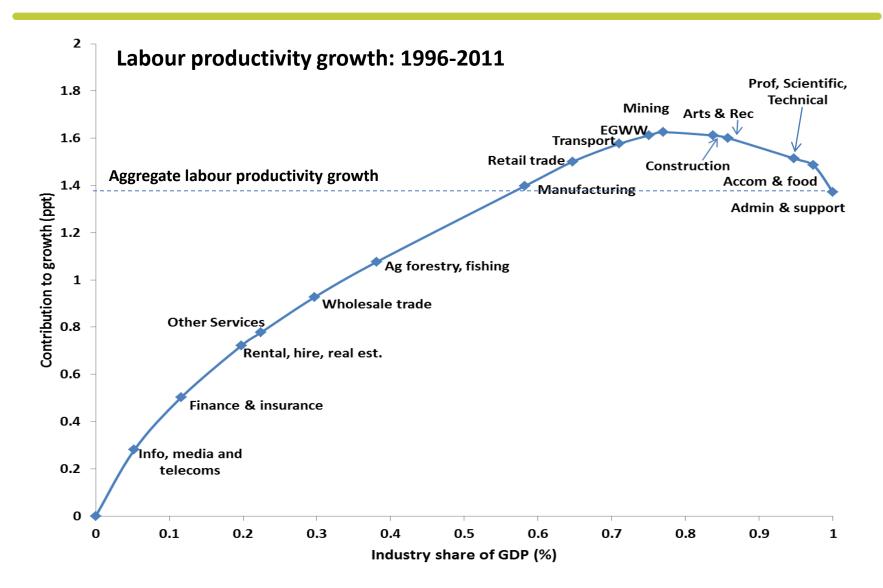






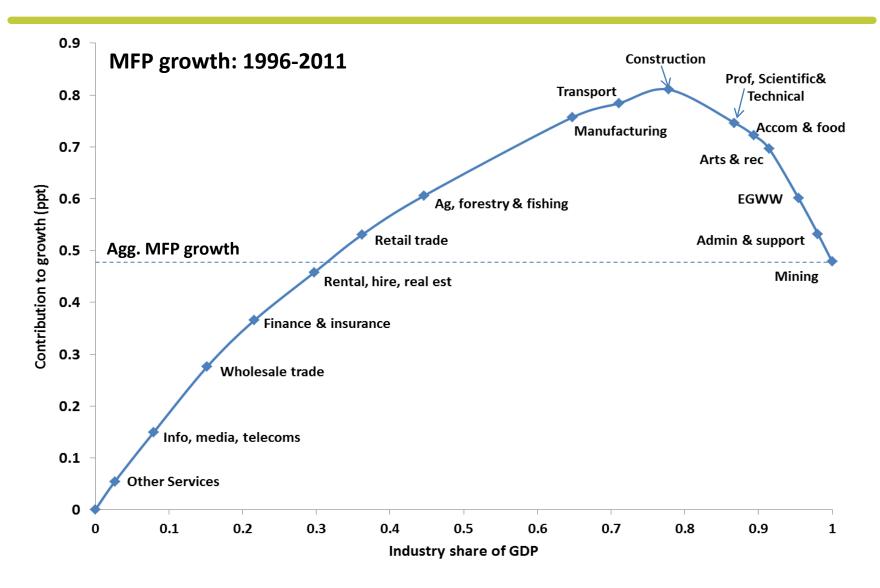
Industry contributions by GDP share





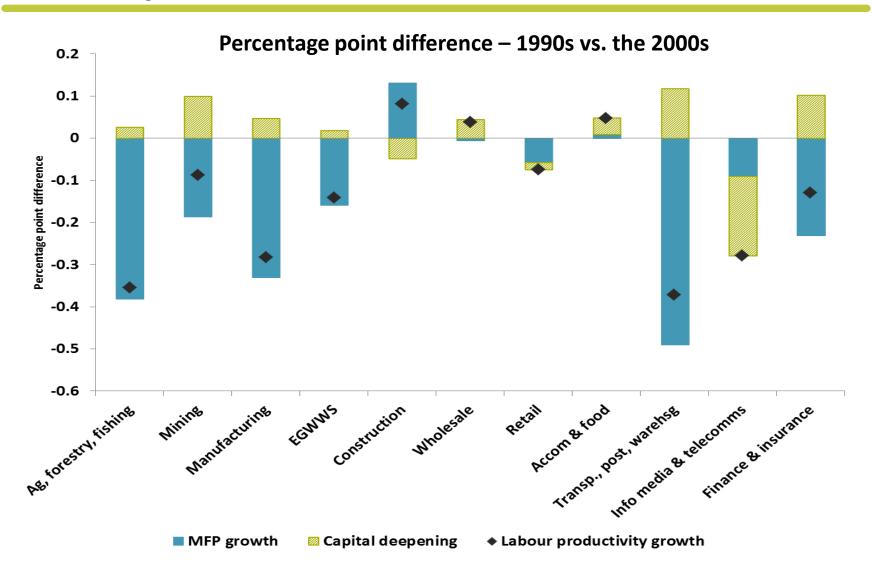
Industry contributions vs. GDP share







Industry contributions to the 2000s slowdown





Summary of industry results

Outperformed: Information, media & telecoms; Finance & insurance

ICT-intensive industries: some have performed well, but NZ's overall ICT story is unclear

Underperformed: Construction; some Service industries (including Professional, scientific & technical)

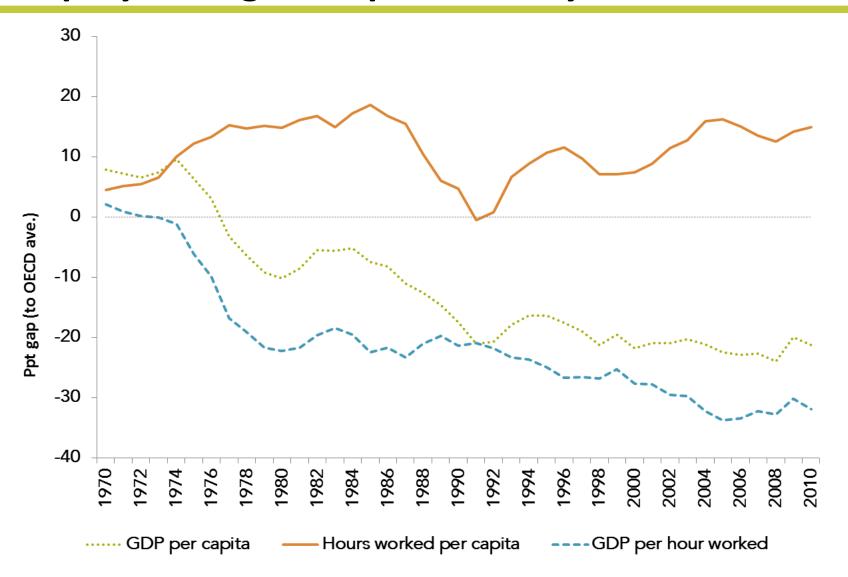
Weaker MFP growth in the 2000s: cause broad-based, but particularly Agriculture; Transport; Manufacturing

New Zealand's productivity performance compared



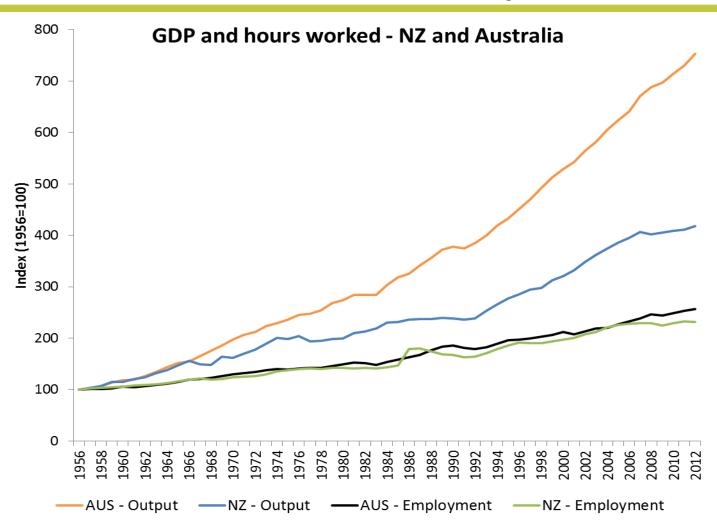


Employment grows, productivity slows



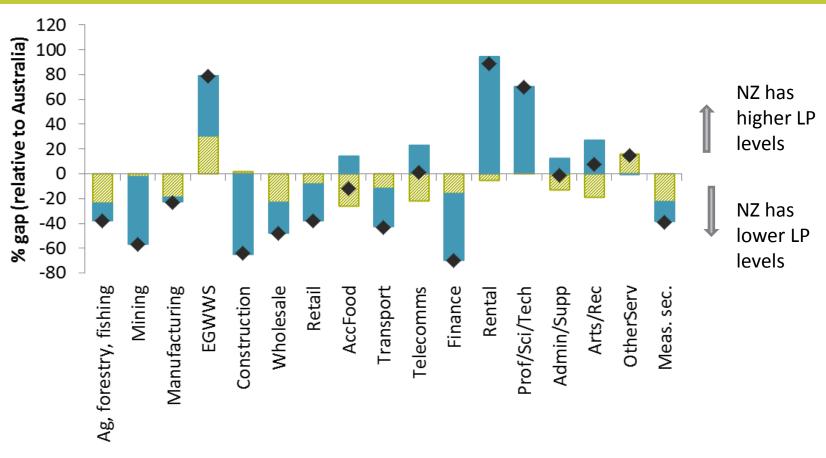


Same labour increase, more output in AUS





Labour productivity levels, Australia vs. NZ

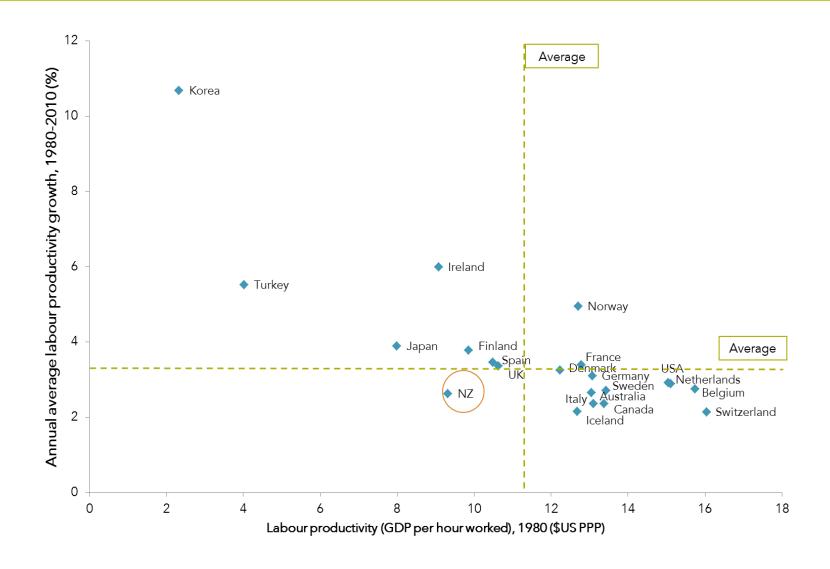


Contribution of capital intensity ■ Contribution of MFP

Labour productivity gap

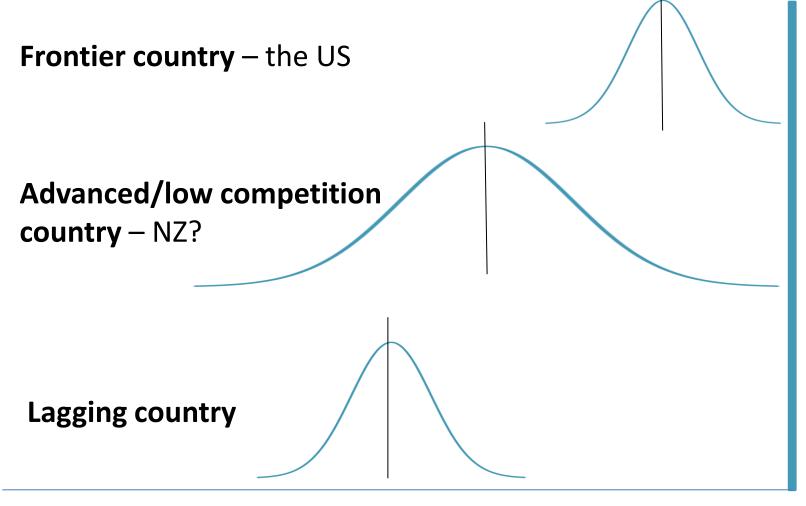
Source: Mason (2013)

No evidence of productivity catch up



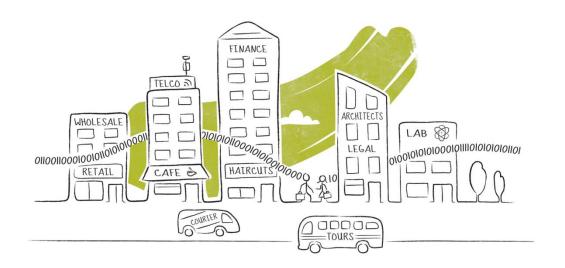


Distance to which frontier?



Firm productivity

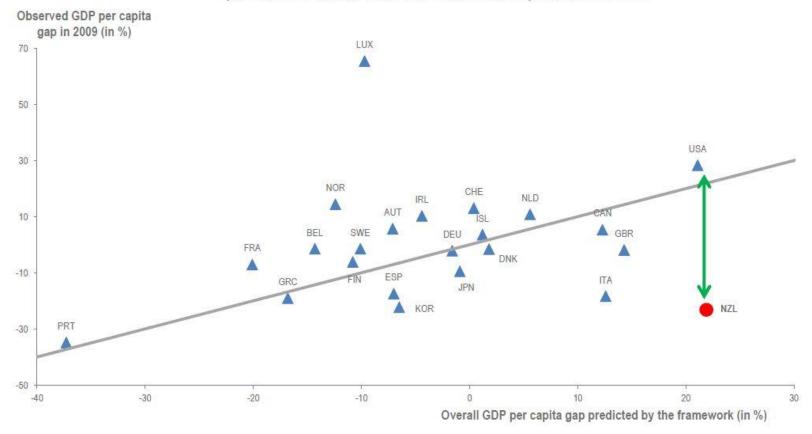
Productivity at the micro level



NZ income should be higher (based on comparative policy settings)



Observed gap in GDP/capita relative to OECD average versus the gap predicted from various structural policies, 2009





Why a poor productivity performance?

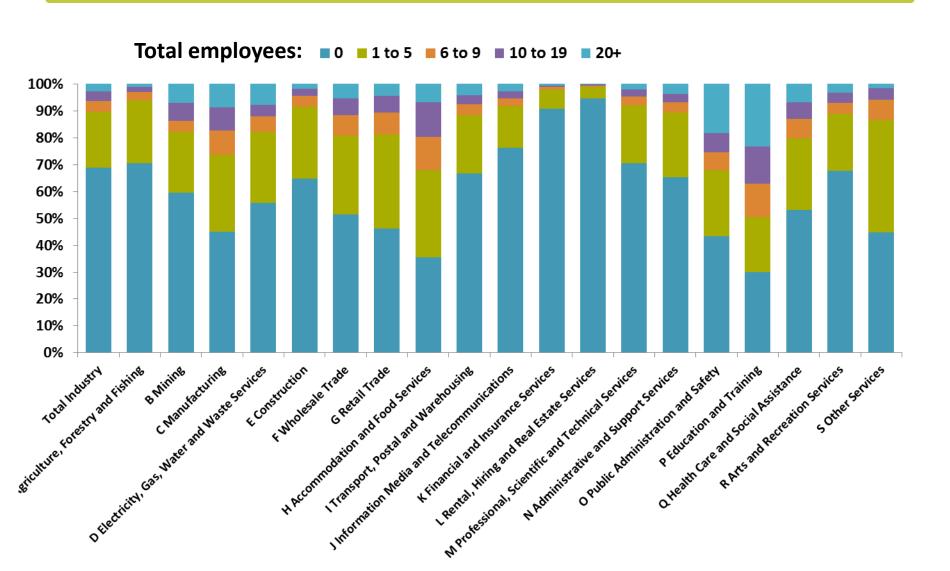
- Why doesn't technology diffuse into or within New Zealand?
 - Economic geography?
 - Trade?
 - Regulation?
 - Services?
 - The macro picture?



Small relatively closed markets implying a serious lack of competition and scale?

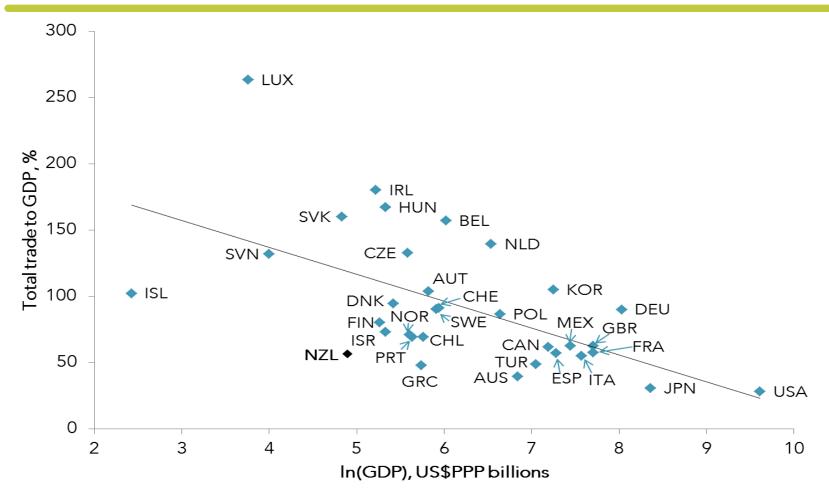


New Zealand firms are tiny





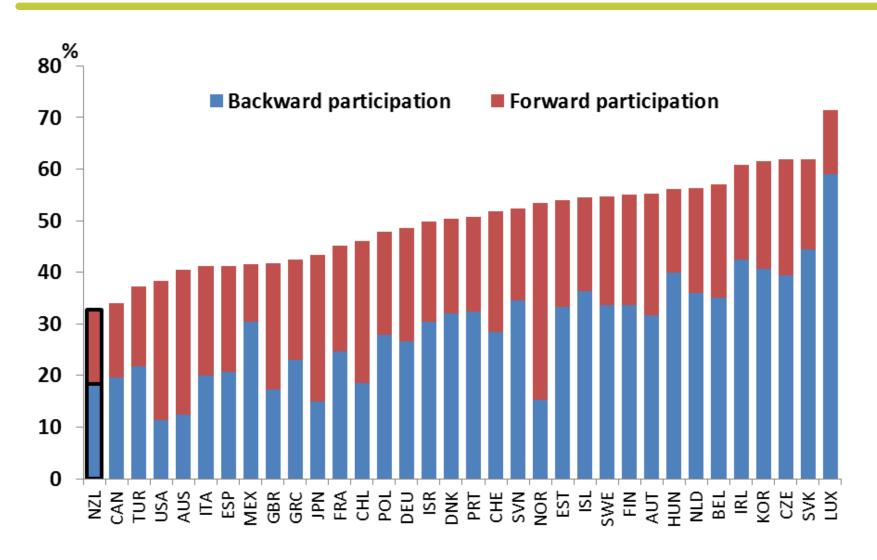
New Zealand doesn't trade much...



"...any successful economic development strategy must ultimately raise the share of international trade in GDP" Harrison and Rodriguez-Clare (Handbook of Development Economics)



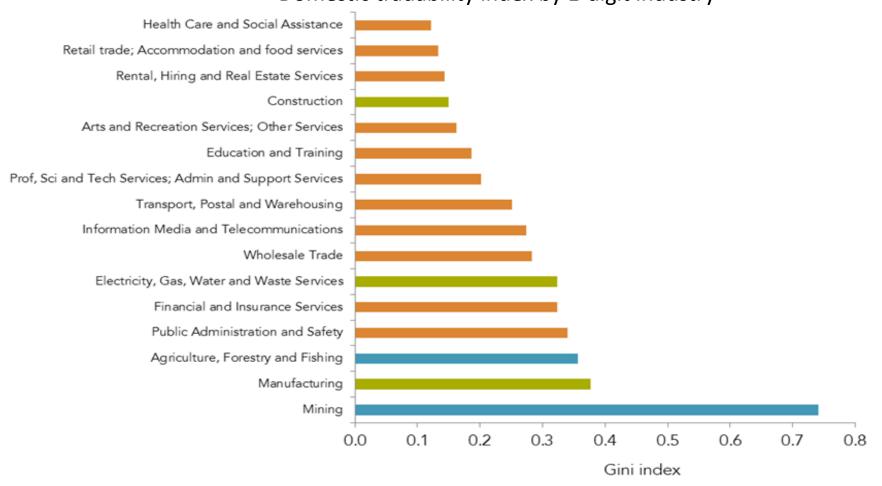
... or participate in global value chains





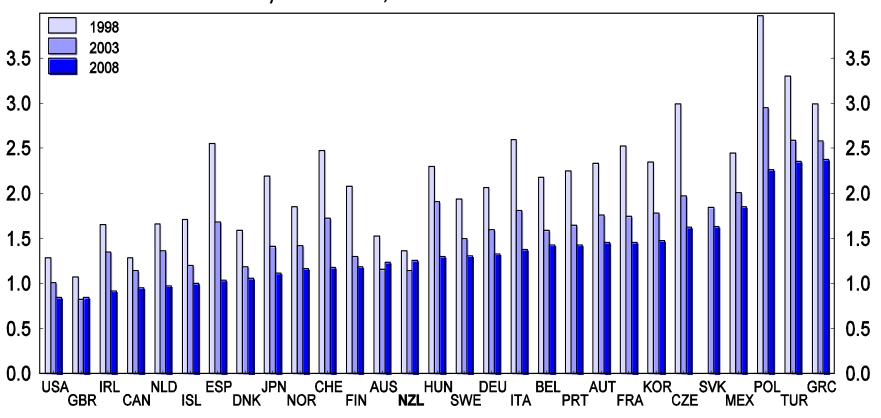
Local markets are small





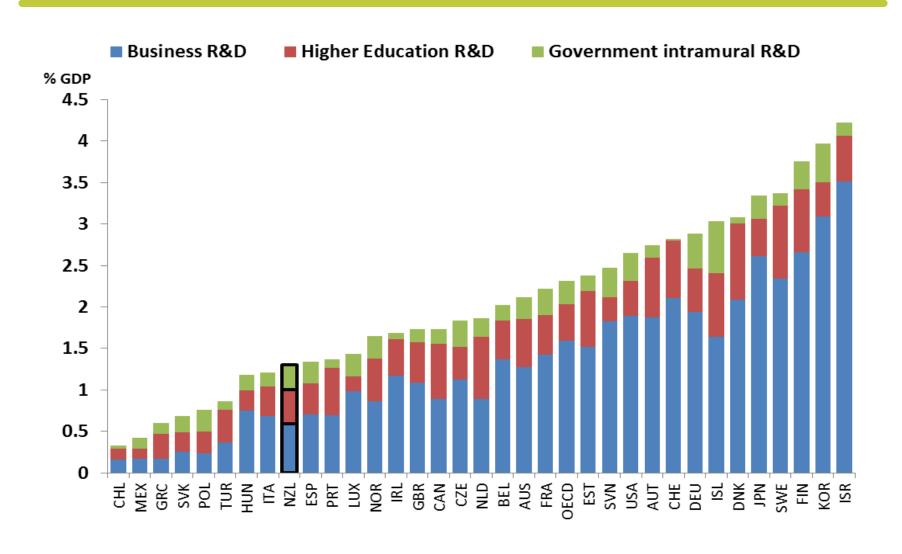
NZ's regulatory advantage has eroded

Economy-wide PMR, 1998-2008



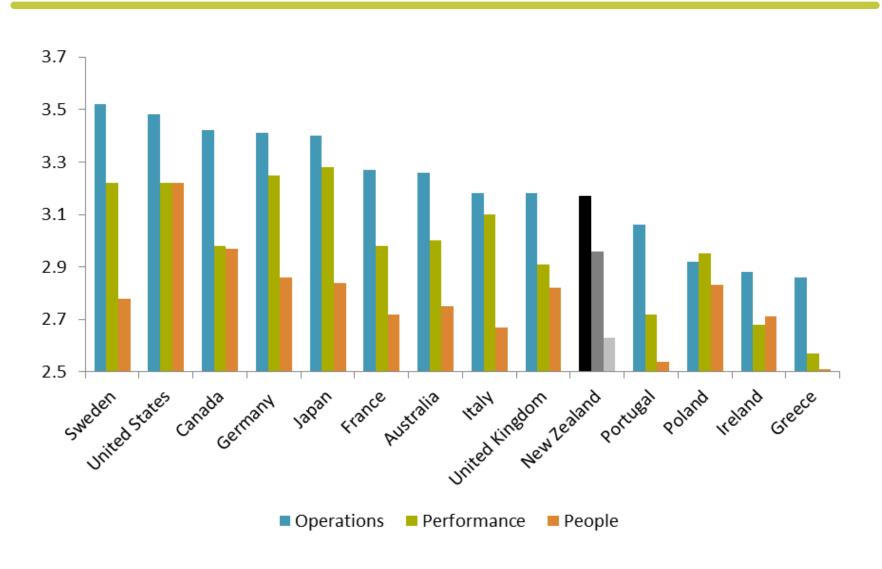


R&D is low



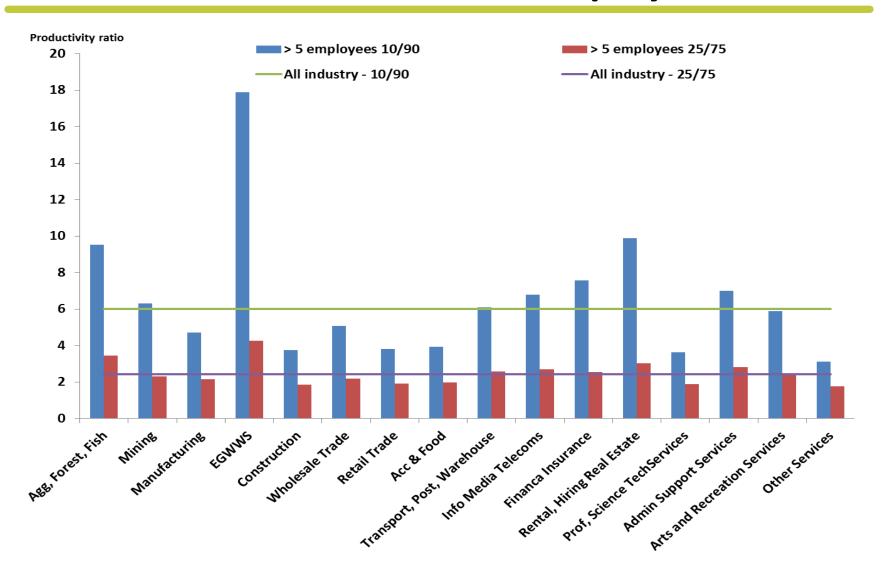


Management quality is below average





The LP distribution – firms>5 employees





Thank you

Questions, comments, suggestion most welcome:

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