

# Tech for Everyone

Building a better future for New Zealand through our technical community

@PrototypeAlex



# Aotearoa

New Zealand

**4.4 Million**

# The Good

**Least corrupt government in the  
world**



# **2nd in the OECD**

For public spending on education

OECD has 35 countries in it

**80% of all households have  
Internet access**



# The Bad

# 12th in the OECD

For income inequality

OECD has 35 countries in it

# 7th in the OECD

For incarceration rate

OECD has 35 countries in it

# **Child Poverty**

**295,000 Kids  
1/4 of all our Children**

Live in income poverty

# **90,000 Children**

Live in severe income poverty

[O\_O]

But this is politics and tech is neutral right?



# **Sustainable economic growth for New Zealand**

An optimistic myth busting approach

Professor Sir Paul Callaghan - 2011 StrategyNZ Keynote

# Why Prosperity?

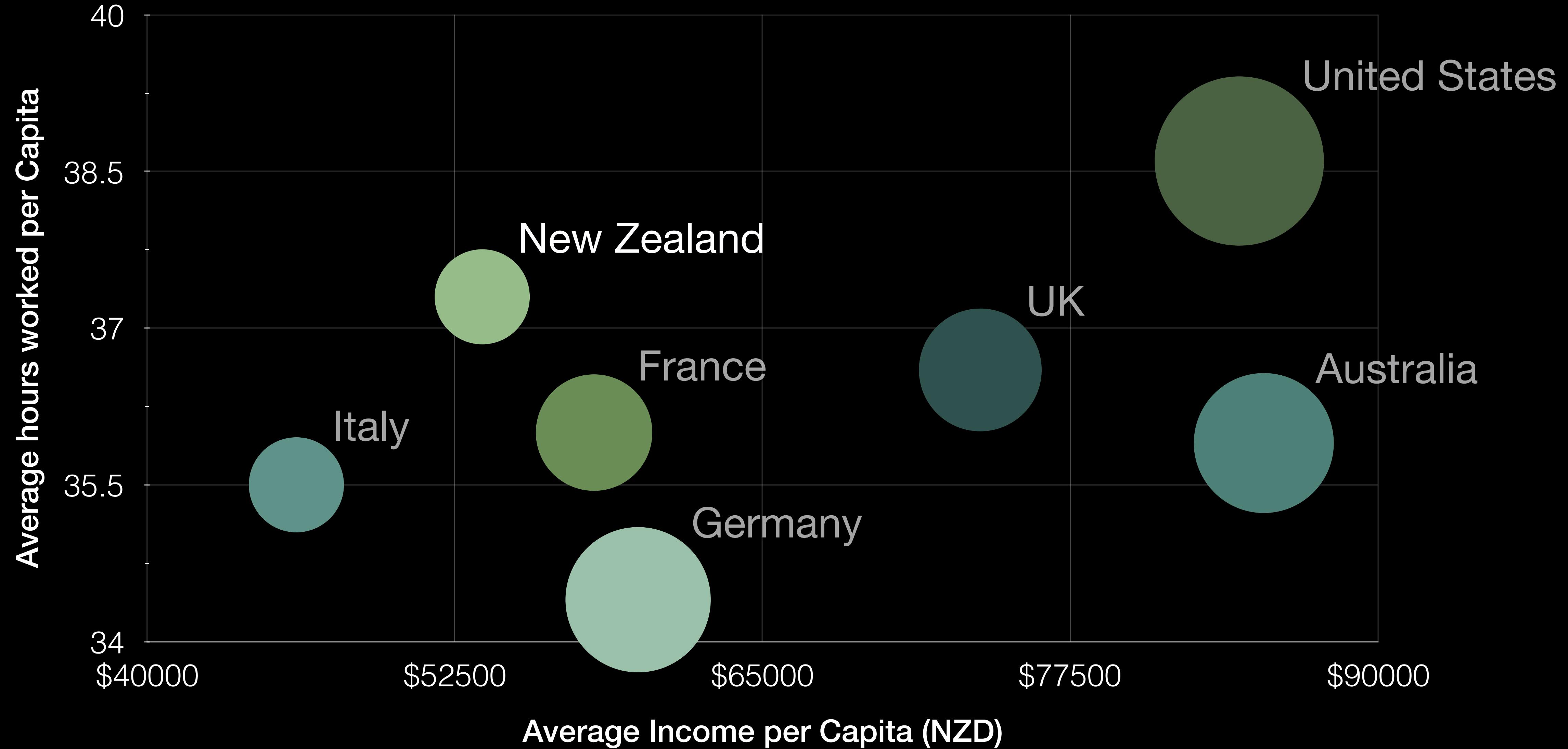
# We need money

To pay for all the things we rely on, day to day

**“In this world nothing can be said to be certain, except death and taxes”**

*–Benjamin Franklin*

# New Zealand's prosperity in the OECD

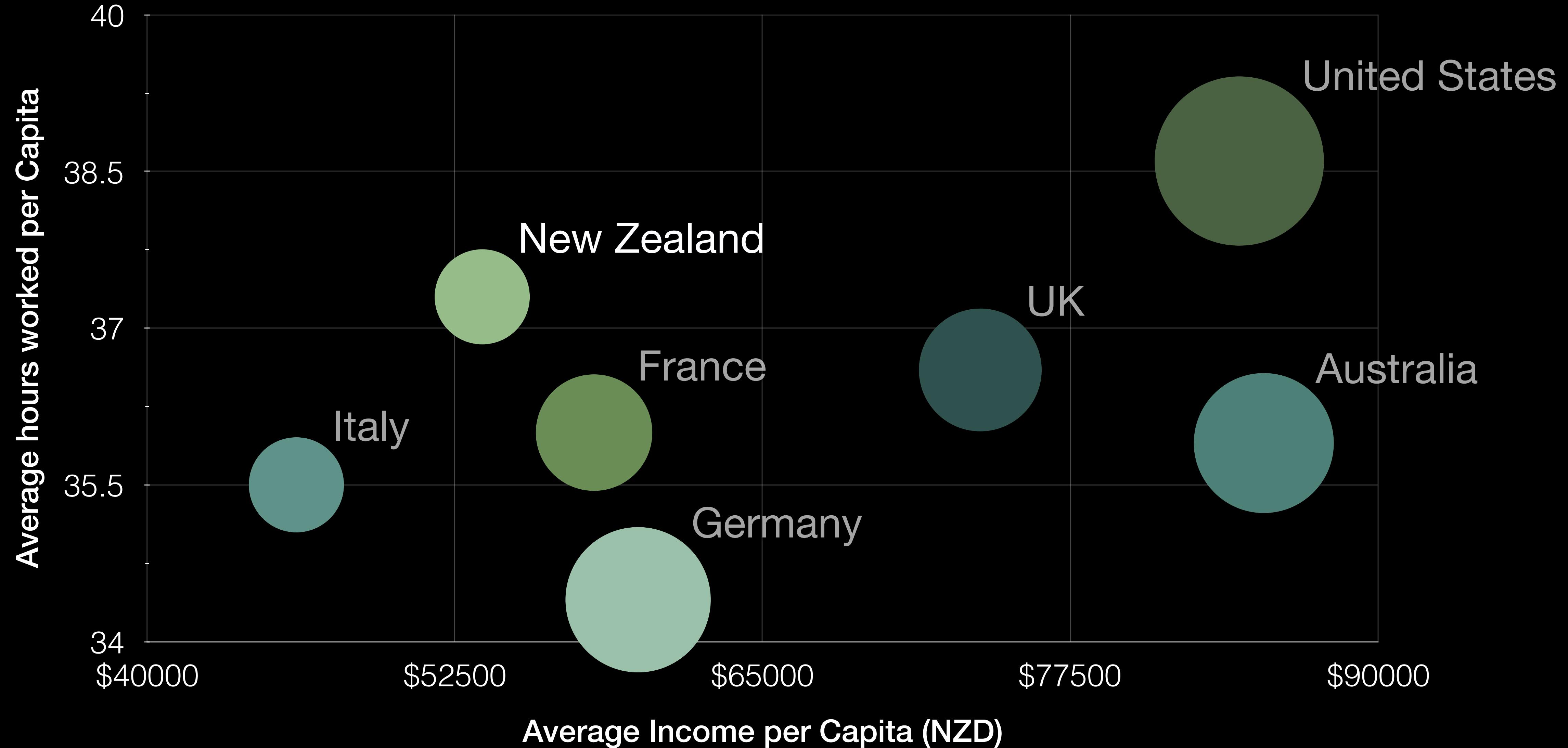


100companies.co.nz

# Lets invest more in Dairy

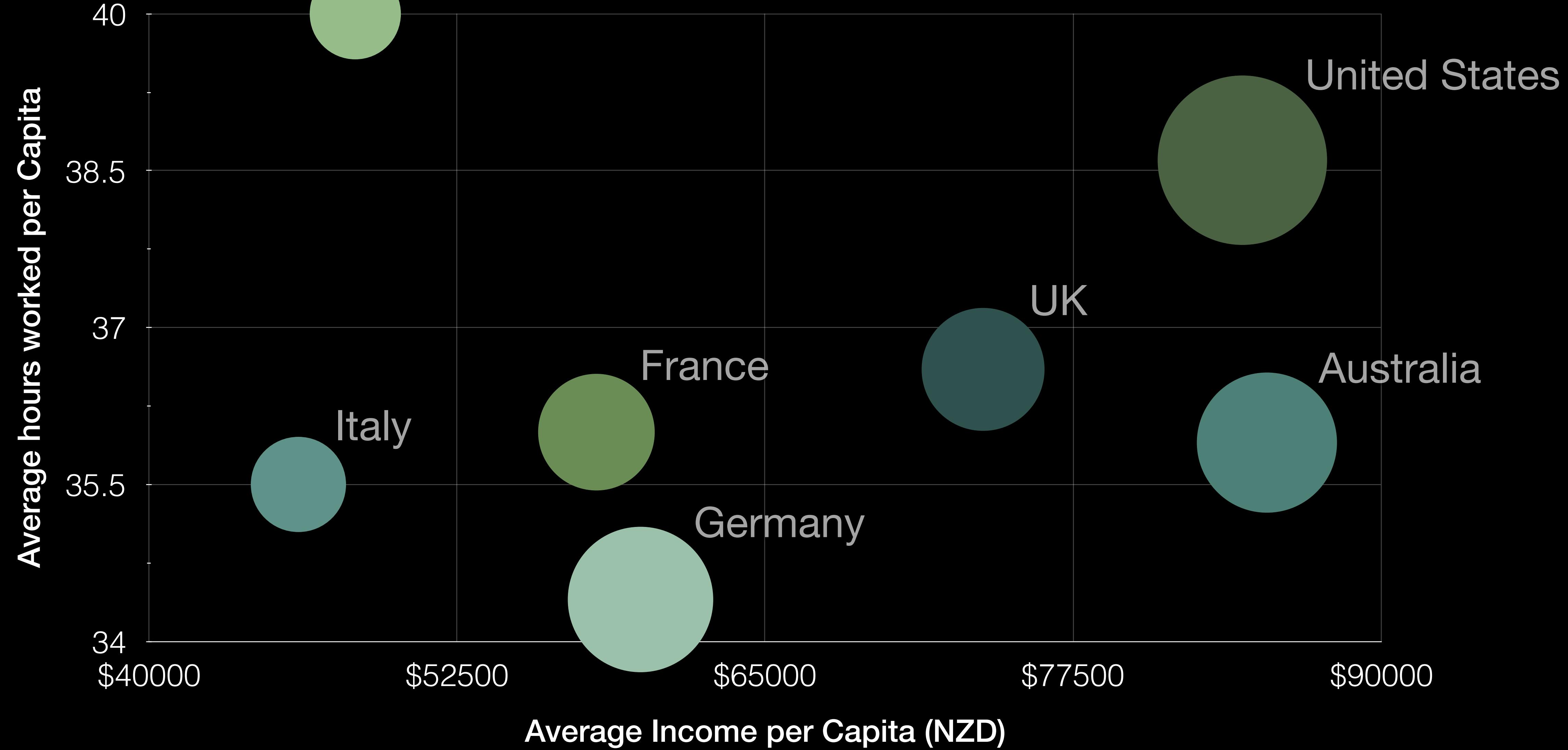
Myth #1

# New Zealand's prosperity in the OECD



# New Zealand's prosperity in the OECD

## New Zealand



# **Farmers work hard**

The farming industry's average income is relatively low

# Fonterra

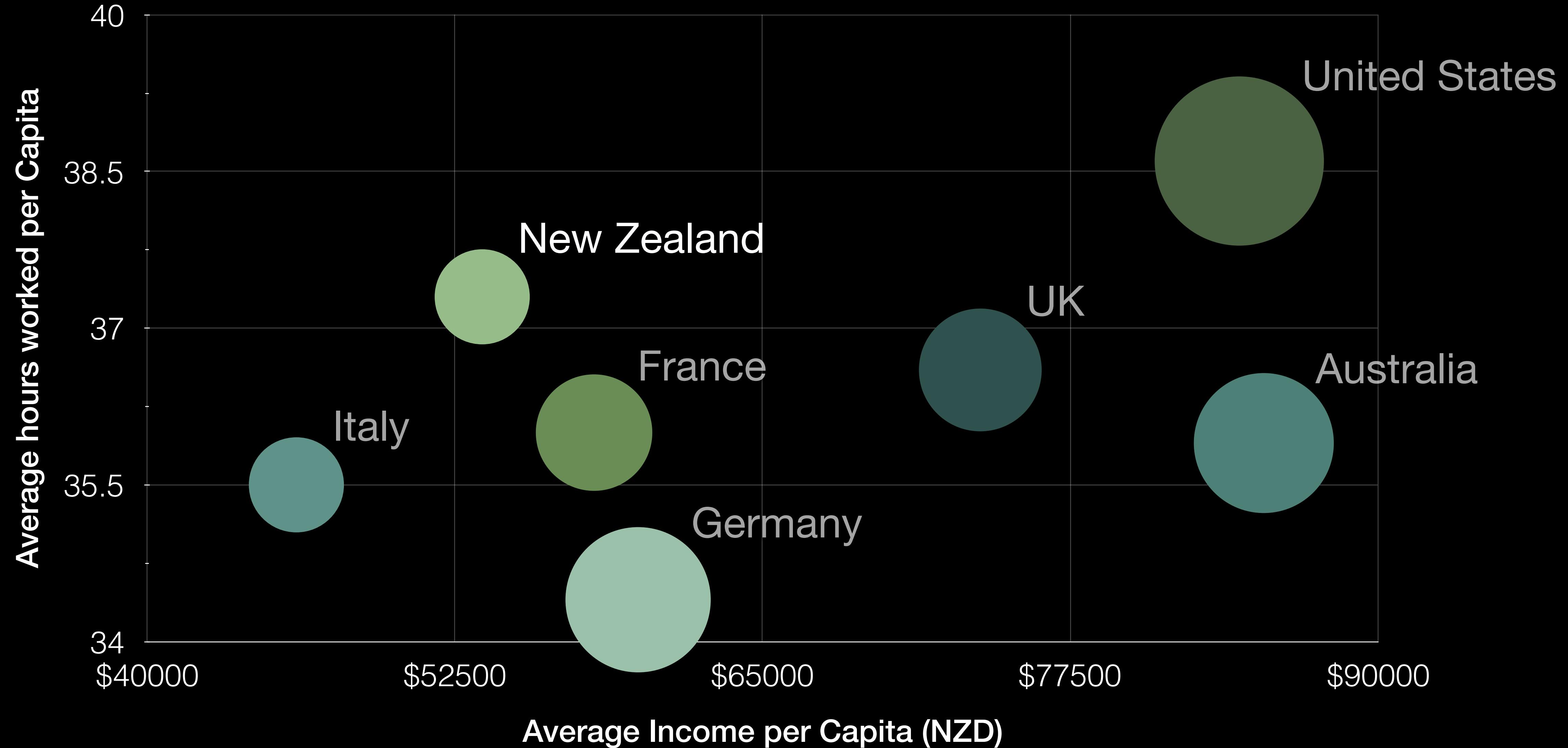
\$17.2 billion revenue in 2016

7% of our country's GDP

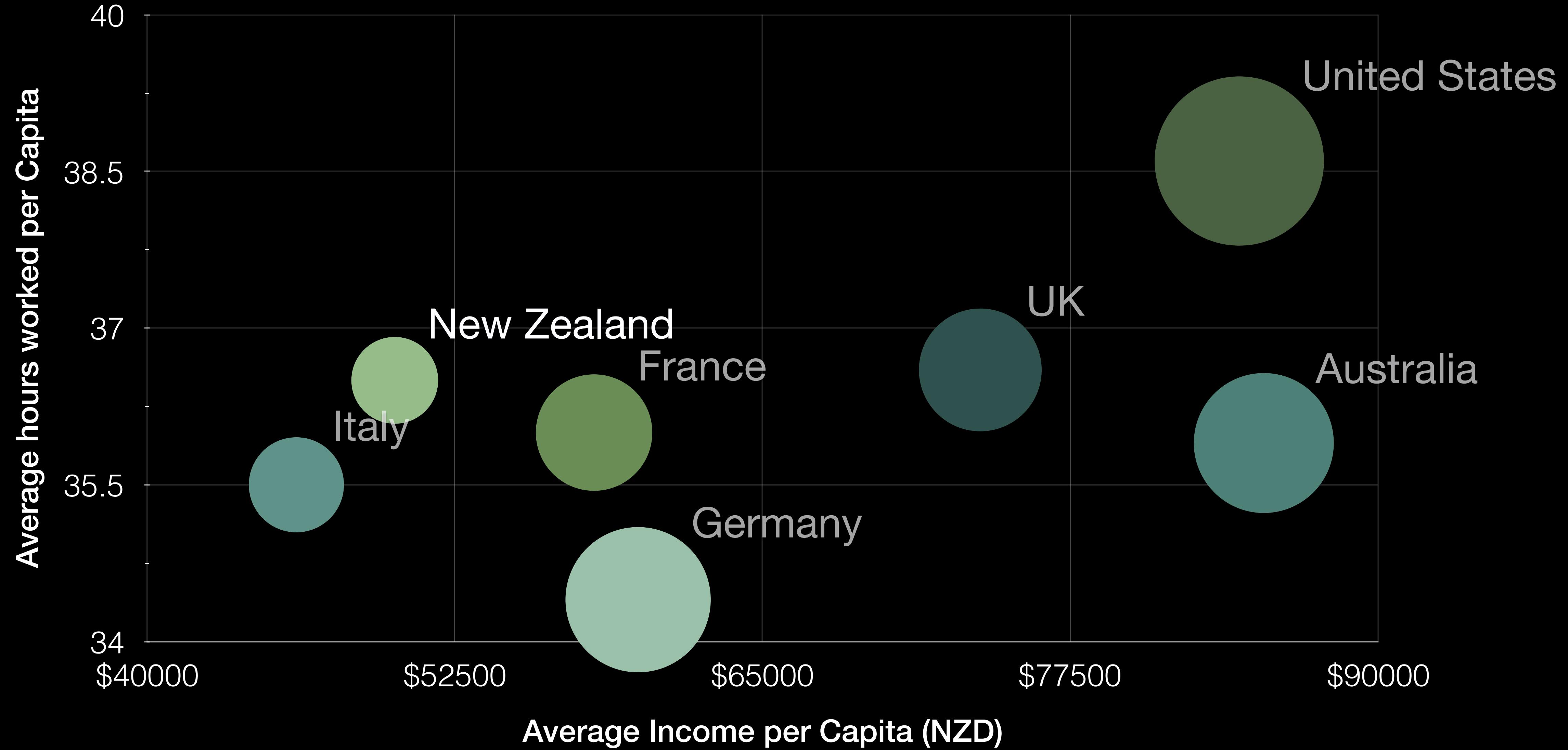
# Lets invest more in Tourism

Myth #2

# New Zealand's prosperity in the OECD



# New Zealand's prosperity in the OECD



# \$125,000

Current average revenue per FTE job

NZ Total GDP \$240,000,000  
Available Jobs in NZ\* 1,900,000

$\$240,000,000 / 1,900,000 = \$125,000$

\* *stats.govt.nz - Filled Jobs by ANZSIC Group, Sex and Employment*

# \$80,000

Average revenue per employee in tourism

# Lower than average income

It's tricky to get exact figures on this  
but checkout [www.100companies.co.nz](http://www.100companies.co.nz) for more information

# Lets invest in Mining

Myth #3

**“We require more minerals”**

*-Zerg Overmind*

# New Zealand is poor

Because as a country, we choose to be

# **Let's become prosperous**

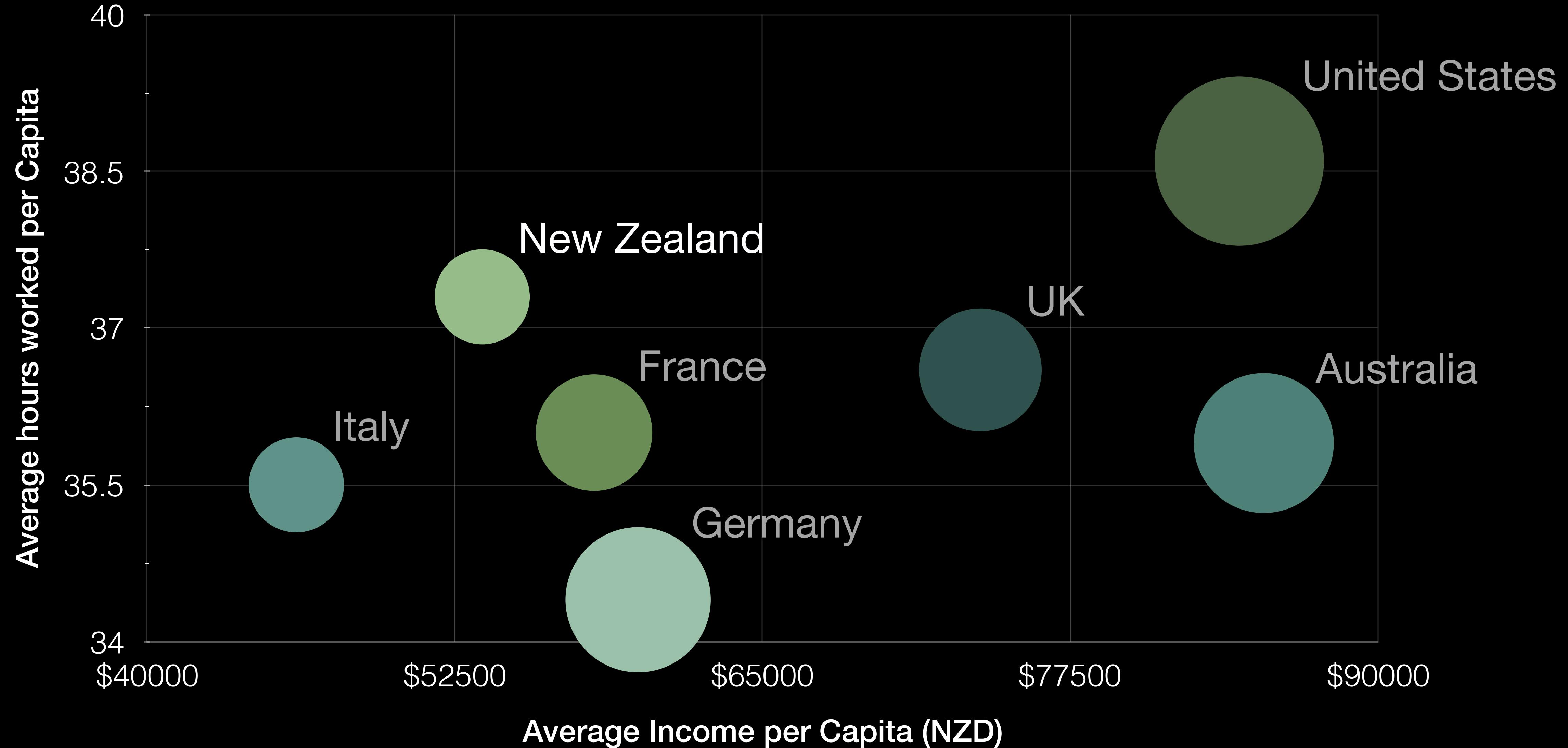
Lets increase our average income, and our GDP

# **100 top tech companies**

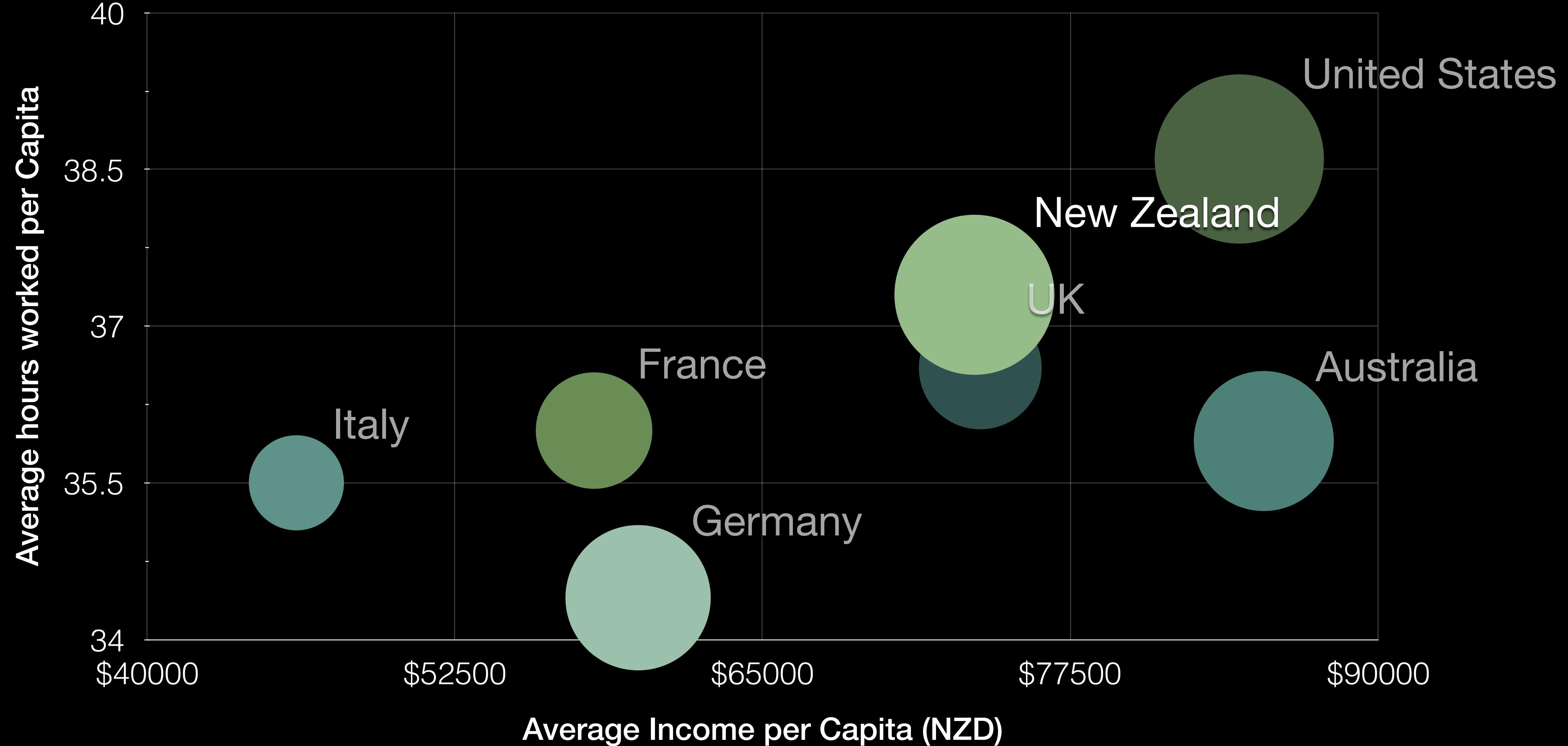
Would double our current export

Adding an additional \$45,000,000,000 a year to our GDP

# New Zealand's Prosperity in the OECD



# New Zealand's Prosperity in the OECD



# Revenue per Employee

Xero - \$210,000

Datacom - \$220,000

Pushpay - \$250,000

Fisher & Paykel Healthcare - \$259,000

Rakon - \$299,000

*Revenue per Employee = Company Revenue / Number of Employees*

# Median Salaries

Systems Architect - \$125,000

Project Manager – \$115,000

IT Consultant - \$105,000

Security Specialist – \$105,000

**“A whole country where talent wants to live”**

*–Professor Sir Paul Callaghan*

**Lets do it**

# TalentNZ

A project from the McGuinness institute  
A non-partisan think tank working towards a sustainable future for New Zealand

**Growth**

**Attraction**

**Retention**

**Networking**

# Sounds like we're sorted

So what's the problem?

**Why?**

**“They’re crazy nutcase passionate Kiwis who love it here”**

*–Professor Sir Paul Callaghan*

# **100% Pure**

Is not something on the Government's agenda

# Communities

It's about the people







# New Zealand

A place where talent can thrive

**Tech for Everyone**

**Growth**

**Attraction**

**Retention**

**Networking**

Growth

Attraction

Retention

Networking

# Digital Technologies

Can be found in your school subject guide.  
Alongside food tech, woodwork and metalwork...

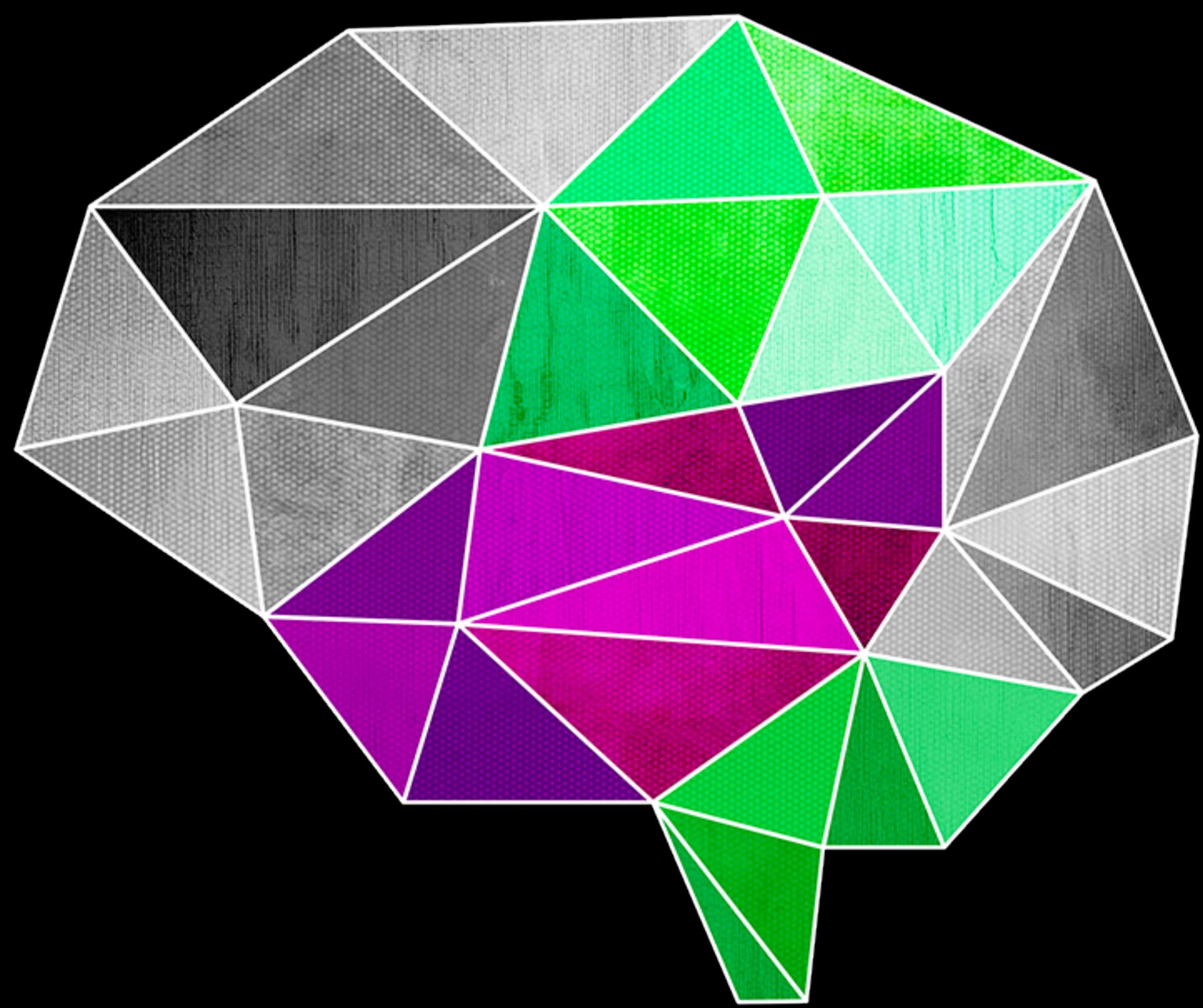
**\$59,000**

The average income for a Primary School Teacher in New Zealand \*

\* [www.payscale.com](http://www.payscale.com) - Primary School Teacher Salary (New Zealand)

# **Deciles Social Investment**

Evidence-based investment practices for social services



# THE **MIND LAB**

by Unitec ®

OMG Tech Rangers  
Code Club  
Coder Dojo  
Mozilla Maker Party  
The Hive & Gasworks Dunedin  
Hack Miramar  
Space and Science Festival Wellington  
Fablab Masterton  
Gather Workshops  
CodeCamp for Kids  
Rails|Dango Girls  
Nodebots  
Digital Natives Academy  
(I apologise if I've missed your organisation)

**“The Industrial Revolution was about making physical things.  
Many of the manufactured goods that were once tangible  
objects have now been reduced to bits and bytes of data.”**

*–Jay Samit*

# Growth

Let's grow New Zealand's people to all be technologists

Growth

**Attraction**

Retention

Networking

# Marketing New Zealand

[looksee.co.nz](http://looksee.co.nz) [workhere.co.nz](http://workhere.co.nz) [newzealandnow.govt.nz](http://newzealandnow.govt.nz)

# Our community profile

Larger than your average

# The Ivory Tower

# Attract

We need to make New Zealand the brightest star on the tech scene

Growth

Attraction

**Retention**

Networking

**“Only the foolish would think that wisdom is something to keep locked in a drawer.”**

*–Rasheed Ogunlaru*

# **30 Minutes**

To help guide a growing individual in this industry of ours.

**Women make up 21%**  
of the ICT workforce in New Zealand

\* <https://www.absoluteit.co.nz/industry-reports/> - Tech Remuneration Report - July 2016

# NZ Māori make up 6%

of the ICT workforce in New Zealand

\* <http://www.mbie.govt.nz/publications-research/publications> - Māori me te Ao Hangarau

**“JavaScript is a toy language, you’re not a real programmer.”**

*–Heaps of people from Hacker News comments*

# **Occupational burnout**

“Characterized by exhaustion, lack of enthusiasm and motivation, feelings of ineffectiveness, and also may have the dimension of frustration or cynicism”

# Bias is everywhere

And there's no one solution to solve it

**Talk to your boss**

**Lets all start the conversation**

**“To help dismantle the system, you need to actively move resources to people of other genders.”**

*–Sarah Mei*

# Retention

Tech has to be for everyone, for everyone to be in tech

Growth

Attraction

Retention

**Networking**

# Getting to know each other

Because a disconnected community is no fun

**Connecting our community to  
others**

# **From coast to coast**

We need to connect everyone, from the country to the cities

# **It just takes one person**

To lead the charge and cause change

**A leader is best when people barely know they exist  
When their work is done, their aim fulfilled,  
the people will say:**

**“We did it ourselves”**

*- Laozi 老子*

# **Code of Conduct**

# Networking

Lets create the mediums in which networking can happen.  
People will take care of the rest

# Tech for Everyone

Through communities, this is achievable

**We need you**

# Tech for Everyone

Lets make New Zealand a place where talent can thrive

[javascript.org.nz/help](https://javascript.org.nz/help)

**Ka kite anō**