



**CRIFFEL STATION**  
wanaka · new zealand

# OUR LAND AND WATER SYMPOSIUM





# Failing on execution, the doing

## Lack of clarity

- No agreed and well communicated vision
- Multiple frameworks; within and between sectors
  - No Dashboards
- Roadmap? - enabling uptake; plans, science/data and resources

## Work in silos

- Industries, government, communities, business
- Real problems are rarely solved by one department or entity

## Years to change

- Is accepted as Business As Usual

# Success is doable

## **NZ'ers, communities, industry and business as One**

- Working at an exponential pace to an agreed vision
  - Leveraging smarts; NZ & globally
    - Collaborative
    - Persistent
  - Led by a light on feet, small diverse team
- Integrated solutions, vertically and horizontally
- Delivering through consistent, disciplined, timely communication

# Exponential Solutions / Positive Change

## 1 The accelerating pace of change ...



## 2 ... and exponential growth in computing power ...

Computer technology, shown here climbing dramatically by powers of 10, is now progressing more each hour than it did in its entire first 90 years

### COMPUTER RANKINGS

By calculations per second per \$1,000



**Analytical engine**  
Never fully built, Charles Babbage's invention was designed to solve computational and logical problems



**Colossus**  
The electronic computer, with 1,500 vacuum tubes, helped the British crack German codes during WW II



**UNIVAC I**  
The first commercially marketed computer, used to tabulate the U.S. Census; occupied 943 cu. ft.

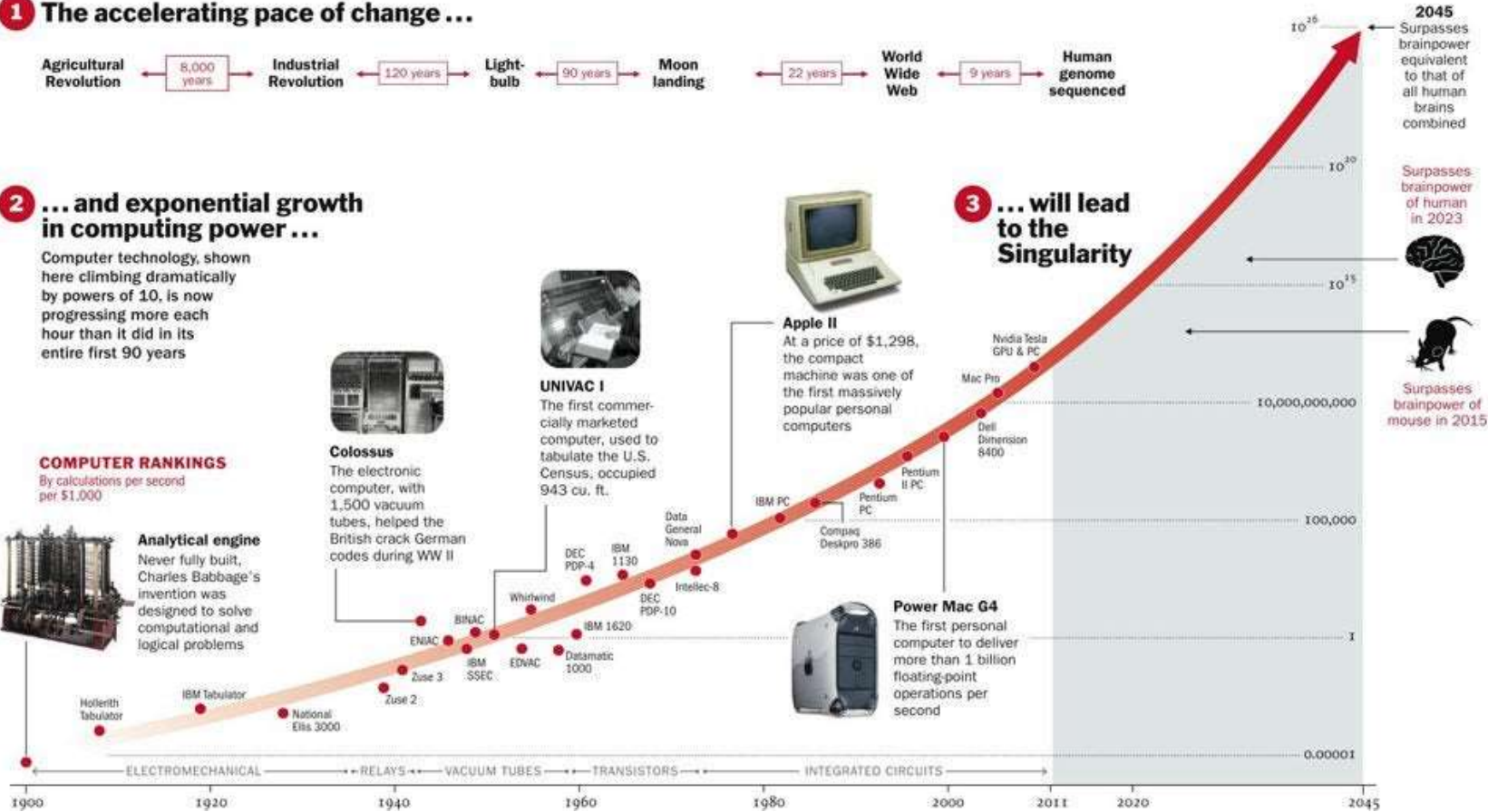


**Apple II**  
At a price of \$1,298, the compact machine was one of the first massively popular personal computers



**Power Mac G4**  
The first personal computer to deliver more than 1 billion floating-point operations per second

## 3 ... will lead to the Singularity



# Passion 2 Profit

Deer Industry New Zealand / Ministry of Primary Industries  
Primary Growth Partnership



Integrated value chain,  
market led

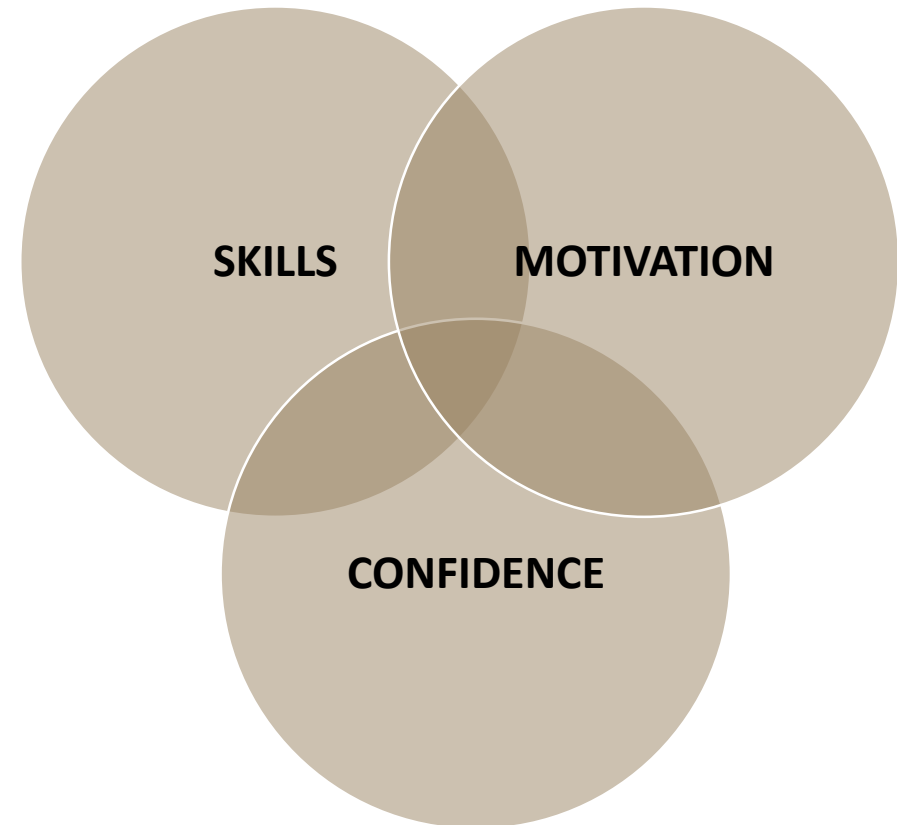
Practice change focus



**P2P**

## Change occurs when farmers

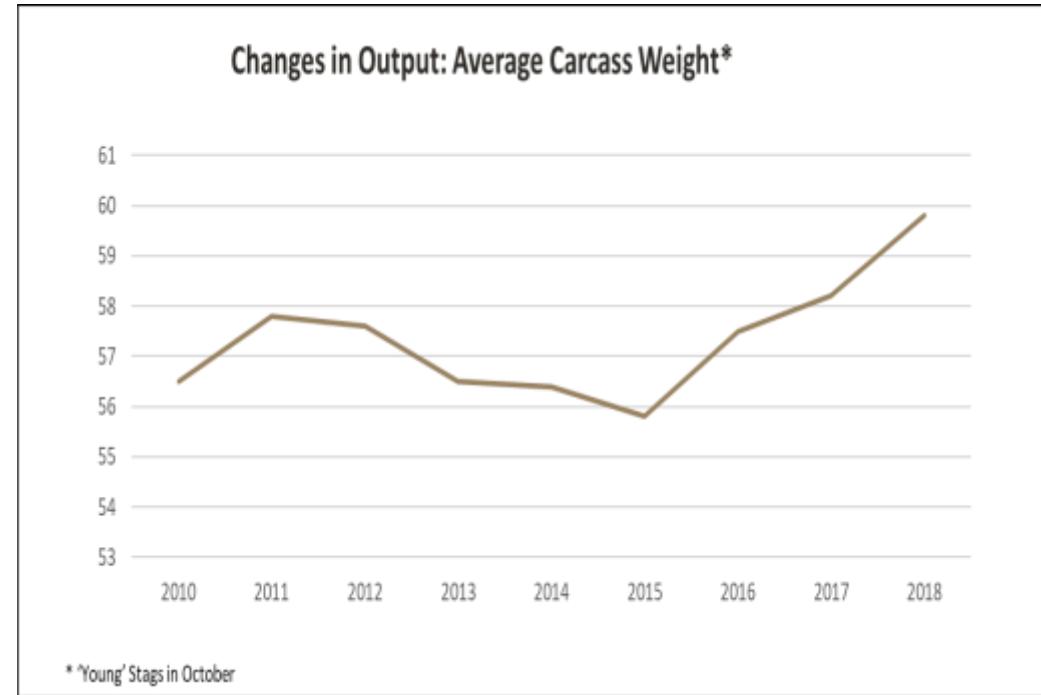
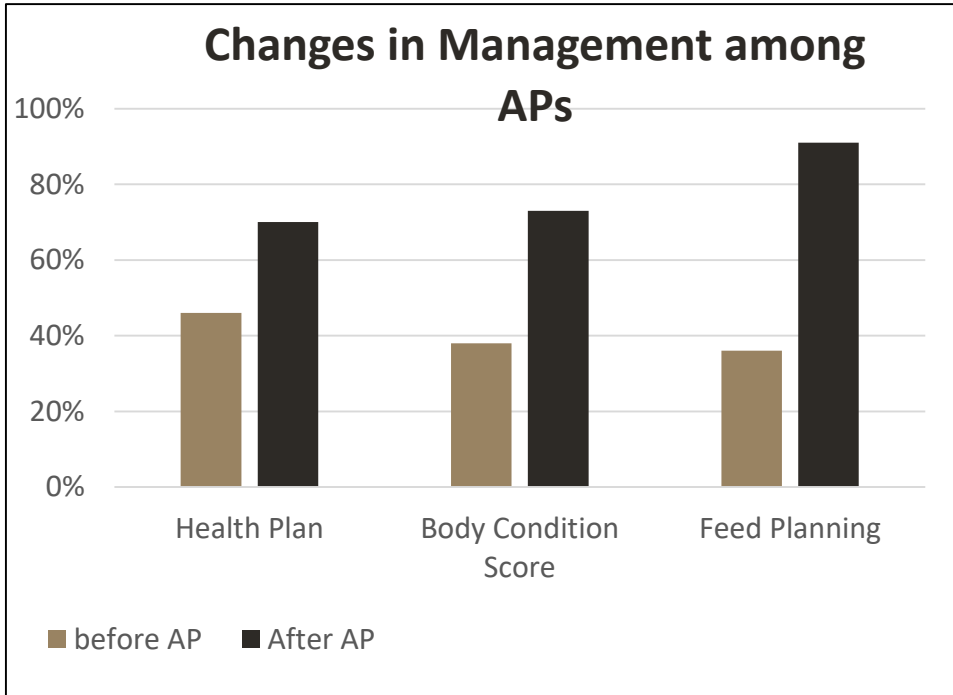
- Have the skills to manage the change
- Are confident in a positive outcome
- Are motivated to make the change





## **Advance Parties**

Creating change by providing farmers confidence through structured observation of peers' activities.



# Wanaka<sup>NZ</sup>



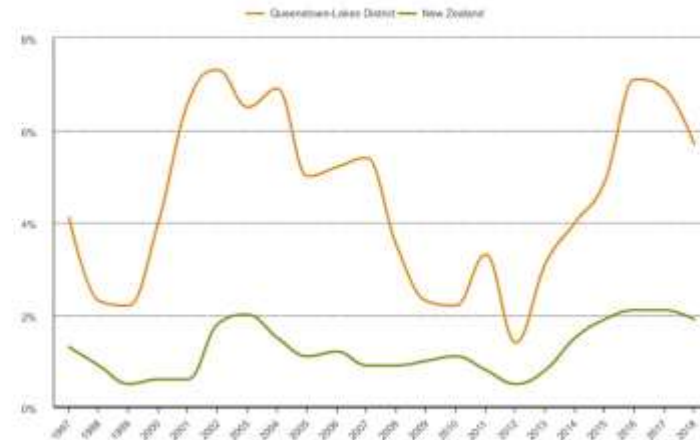
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# Wanaka and Growth

Accelerated action, initiated and supported by community.



Queenstown Lakes Population growth rate 1997 - 2018





# UPPER CLUTHA LAKES TRUST

PROTECTING OUR LAKES AND RIVERS.

WANAKA AND SURROUNDS, NEW ZEALAND

[WWW.UPPERCLUTHALAKESTRUST.COM](http://WWW.UPPERCLUTHALAKESTRUST.COM)

**UPPER  
CLUTHA  
LAKES  
TRUST**

# Upper Clutha Lakes Trust stakeholders



# COLLABORATION

Develop and leverage *capacity* and *capability* across the community



## COLLABORATIVE LEADERSHIP

Central Government - MfE  
Regional Council - ORC  
District Council - QLDC  
Community - UCLT



## COLLABORATIVE COMMUNITY

ICMP, ALREC, Guardians  
Community Groups  
Water users, Volunteers

Alignment across rural, urban,  
commercial & tourism sectors



## COLLABORATIVE PARTNERSHIP

Iwi, DOC, LINZ, MBIE  
Fish & Game  
Forest & Bird  
Science/Research  
Universities

**UPPER  
CLUTHA  
LAKES  
TRUST**

**Jeff Donaldson**  
MPI, CHAIR

**Kate Scott**  
LANDPRO

**Don Robertson**  
GUARDIANS

**Mandy Bell**  
FIF CHAIR

**Mike Saunders**  
COMMUNITY

**Ruth Harrison**  
COMMUNITY

**Jo Appleyard**  
CHAPMAN TRIPP

**Storm McVay**  
SMCC

**Calum MacLeod**  
DEPUTY MAYOR

**Julie Perry**  
TRUST MANAGER

**Megan Williams**  
PROJECT MANAGER



Accelerating transition  
to a thriving, sustainable,  
carbon zero future through  
partnership & collaboration.



one

# SUSTAINABLE DEVELOPMENT GOALS AS A SYSTEM

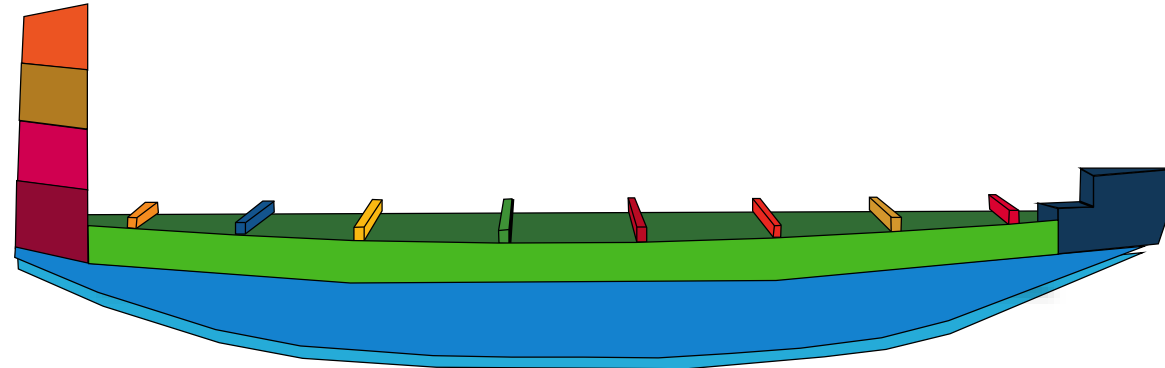
## ECONOMY



## COMMUNITY



## PARTNERSHIP



## ENVIRONMENT



# STOCKTAKE



## SDG 13 OneWanaka Goals

- ✓ REDUCE CO2 OUTPUT
  - ✓ TRANSPORT (Road & Aviation)
  - ✓ LOCAL FOOD (Waste & Food systems)
  - ✓ RENEWABLE ENERGY GENERATION
  - ✓ CARBON SEQUESTRATION
- ✓ RESILIENCE PLANNING
- ✓ AWARENESS RAISING/EDUCATION

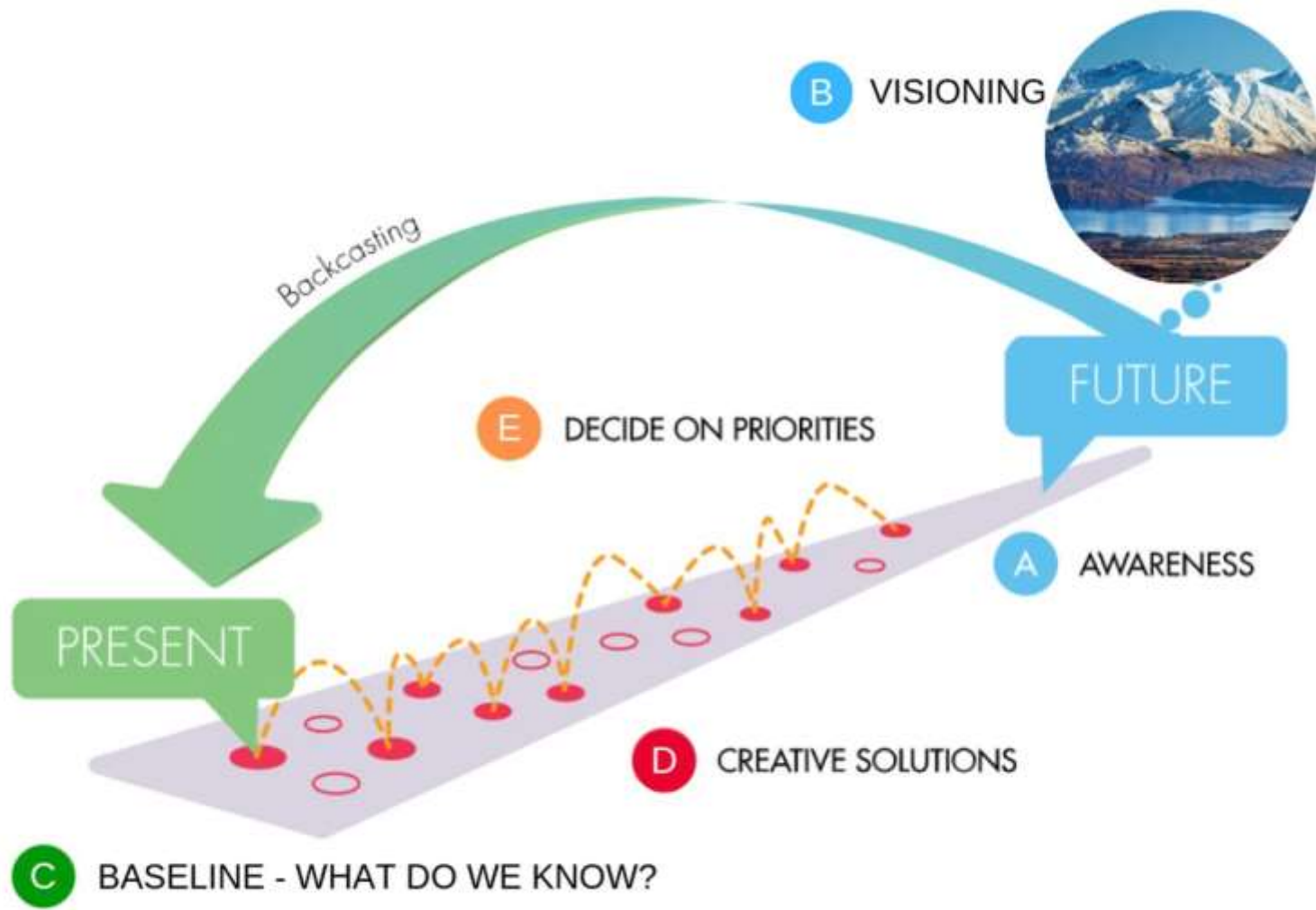


# Visionary Collaboration



Beyond policy | Beyond activism | Visionary collaboration

The HOW is doable





# The transformational HOW

# Community

Exponential change to deliver a transformational agenda

## 1. Funding of leaders and managers

- Maximise the inputs of volunteers/pro bono

## 2. Include science connector within the community groups

- Support uptake, educate, two way feed
  - Citizen science

## 3. Boundary span

- Facilitating group collaboration, knowledge transfer

# New Zealand

**Exponential change to deliver a transformational agenda**

## **1. Collaborative in reality**

- Science, government, industry and community
- Cross functional light footed team, utilize boundary spanning

## **2. Pilot large programme**

- Exponential shift of 1 million plus people in months not years

## **3. Provide resource and focus**

- Develop and support intensity of focus
  - Ramp social science knowledge
    - Continuous fine tune





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THANK YOU