

The people's paper

Reboot Aotearoa NZ



VISIONWEEK NZ
WEB SUMMIT



Executive Summary

Executive Summary - Page 1

Recommendations - Page 2

Background - Page 3

Conscious Lean Canvases - Page 4 - 7

Key Themes - Page 8 - 10

Outcomes - Page 10

Summit Attendees - Page 11

The Reboot NZ Summit was held at Raglan on the 11 - 12 June 2020 in association with Visionweek NZ.

It was hosted by Vaughan Fergusson, Founder Vend and Co-Founder Pam Fergusson Charitable Trust and Zoe Timbrell Co-Founder Pam Fergusson Charitable Trust at the inspirational Institute of Awesome.

The event was notable for the diverse group of innovators that gathered in Raglan to develop a framework for a values-driven future created by businesses, communities and organizations underpinned by the values of Te Tiriti o Waitangi, Manaakitanga, Kaitiakitanga and Kotahitanga.

Summit delegates including tech entrepreneurs, creatives, computer scientists, community innovators, systems architects, corporate innovators and system thinkers were challenged to outline alternatives to broken models, unsustainable practices, incumbent outdated processes and systems for economic growth.

Recommendations

Key recommendations are outlined below

A The development of **values-based core digital infrastructure** for NZ anchored to hauora, manaakitanga, kaitiakitanga and whanaungatanga

Supporting our values through a shared public digital infrastructure **“The Trust Stack”**

- B**
- Identification management - an individual’s representations
 - Open data sharing networks (i.e. 5G, mesh networks, IoT) - the network
 - Public commons applications - the added value applications
 - Trusted commerce and value exchange - the secure private channels

C Guarantee the **sovereignty, control, and individual ownership** of data as taonga

D Establish **Government-backed trust frameworks for iwi and community** to create a shared mana enhancing identification and data ecosystem

E Targeted financial support for both **keyboard ready digital infrastructure** and community led projects to leverage the infrastructure, developing value added applications over the top

F **Back and resource** industry collaboration with communities to co-innovate, provide mentorship and training and create new spaces for working together.

G Fund the **establishment of a connected national grid of new community centres** for collaboration, vocational training and innovation

H Support the grassroots development and pathways to create our **new digital heroes** like we do the All Blacks to inspire our team of 5 million

I Pitch our infrastructure and Aotearoa NZ globally as **“100% trust”**, the innovation leader of digital projects for the new world

J Expand the scope of Government Digital Services to be the **Ministry of Digital Services for Aotearoa NZ**

A new system needs to be put in place with digital infrastructure at its core, values as the bedrock, communities standing tall on top and support and education creating inclusion and fostering innovation which will help drive economic growth. This is not a new build, it’s a reconfiguration of what we already have.

Communities

Support

Digital Infrastructure

Education

Values

Digital Identity

Open Networks

Public Applications

Secure Channels

Background

Covid free for now, Aotearoa NZ has a responsibility to leverage the community values and high trust approach that have captured the world's attention, to solve the world's most urgent problems including inequality, climate change, smarter borders and holistic wellbeing.

Our goal was to identify combined initiatives that together would produce a million new jobs with enhanced capabilities and skills, thereby attracting talent and investment to propel the weightless economy.

System thinking that combines collaborative leadership, coalition-building and economic insight that has the power to mobilise innovation and action across our team of 5 million (including ex-pats).

At the root of inequality, unemployment, and populism are radical changes in the world economy. Digital technology is allowing talented foreigners to telecommute into our workplaces and compete for service and professional jobs. Instant machine translation is melting language barriers, so the ranks of these "tele-migrants" will soon include almost every educated person in the world. Computing power is dissolving humans' monopoly on thinking, enabling AI-trained computers to compete for many of the same white-collar jobs. The combination of globalization and robotics is creating the globotics upheaval, and it threatens the very foundations of the liberal welfare-state.

Government funding agencies can support the reallocation of resources to a community led approach to economic development built on strong foundations such as open digital infrastructure and universal Maori values (hauora, manaakitanga, kaitiakitanga and whanaungatanga) . This would attract the most progressive and innovative talent to NZ from around the world.

An immediate priority is solving the "many me" problem through ethical mana enhancing citizen centric approach to identification and digital representation. Our data must be treated as a sacred taonga. It is time for a shared data ecosystem so kiwis own and control their own data, supported by a Trust Framework that enables confidence among participants, providing trust, transparency and security when sharing information.

Transitioning enterprises big and small to trusted open systems infrastructure (new identification, commercial data and financial rails) would provide a platform for innovation in agritech, kindtech, fintech, travel tech, retail tech and most importantly financial services (i.e. honest usable open banking).

There has never been a better time for innovators and entrepreneurs. For the next generations to find connection to the things they are passionate about, and for this to be seen through a lens of culture, technology and sustainability. Pathways created for them that go from inspiration and belief as kids, to education with purpose, through to new vocational training in their communities that puts practical action around learning. So we can do big bold projects driven by our people, for our people.

Conscious Lean Canvases

Summit attendees selected a conscious Lean Canvas format to capture group thinking across four enablers as follows:

- Cross-Sector Collaboration - bridging the digital divide
- Global Voice - NZ leading a new way forward
- Build back better - with intent
- Data Ownership - Sovereignty of our digital self

Cross Sector Collaboration - bridging digital divide

<p>Problem</p> <p>Digital divide</p> <p>Lack of support infrastructure</p> <p>Lack of cross functional capability in communities (including leadership)</p> <p>Silo'ed Systems and point solutions</p> <p>Lowest common denominator approach</p> <p>Not understanding benefits</p> <p>No funding for collaboration</p>	<p>Solution</p> <p>Right to free access</p> <p>Participation from anywhere</p> <p>Education - Compulsory digital / coding in schools</p> <p>Shared systems</p> <p>Industry led culture of collaboration</p> <p>Community led digital literacy</p> <p>Values driven</p> <p>Community group rollout of video conferencing</p> <p>Moving kiwis up the productivity curve</p>	<p>Value Proposition</p> <p>Digital All Blacks pathways and support structures</p> <p>Assessment Framework - establish baseline and track changes over time</p> <p>UBI driven engagement</p>
<p>Unfair Advantage</p> <p>Social fabric - team of five million</p> <p>Market size</p>	<p>Channels</p> <p>Leaders</p> <p>Connectors</p> <p>Heroes</p> <p>Champions</p>	<p>Metrics</p> <p>Universal access to internet</p> <p>Decentralised ID for all</p> <p>Devices for all</p>



Conscious Lean Canvases

Global Voice

<p>Problem</p> <p>Greed led capitalism</p> <p>Tall Poppy</p> <p>Leadership void</p> <p>Misplaced values</p> <p>Broken model</p> <p>Growing communities of idle hands - hotbed for civil unrest</p> <p>Globotics upheaval</p>	<p>Solution</p> <p>Stronger communities</p> <p>Sustainable Tourism</p> <p>Innovation hub and spoke Ecosystem</p> <p>Wellbeing driven KPIs</p>	<p>Value Proposition</p> <p>100% Pure, now 100% Trusted</p> <p>Consciousness revolution led by Aotearoa NZ</p> <p>Ideas Lab</p>
<p>Unfair Advantage</p> <p>Kaitiakitanga</p> <p>Sense of community</p> <p>Whanau</p> <p>Leader of the Free World</p> <p>Culture</p> <p>.....</p>	<p>Channels</p> <p>Leaders</p> <p>Connectors</p> <p>Heroes</p> <p>Champions</p>	<p>Metrics</p> <p>Talent Gain</p>



Conscious Lean Canvases

Build Back Better

<p>Problem</p> <p>Mental Health</p> <p>Living beyond our means</p> <p>Business failure rate due to pre existing conditions</p> <p>Weak balance sheets / saving rates</p> <p>Unconscious consumption</p>	<p>Solution</p> <p>Social, physical, mental and spiritual wellbeing (Hauora) before profit</p> <p>Code of ethics</p> <p>Meditation and mindfulness programmes integrated into national learning curriculum</p>	<p>Value Proposition</p> <p>Embed our core values into digital infrastructure foundations</p> <p>Develop consciousness and adaptability within future generations</p> <p>Greater emergence of a culture of cooperation over competition, leading to greater innovation</p>
<p>Unfair Advantage</p> <p>Preparation of a generation of people who are not only “keyboard-ready” but adaptable and are ready to build the future with any tools and frameworks provided to them.</p>	<p>Channels</p> <p>Leaders</p> <p>Connectors</p> <p>Heroes</p> <p>Champions</p>	<p>Metrics</p> <p>National Hauora (Wellbeing) Index</p> <p>National Adaptability Index</p>



Conscious Lean Canvases

Data Ownership

<p>Problem</p> <p>Data is held hostage by internet monopolies</p> <p>Many me identities online</p> <p>Closed systems are killing innovation</p> <p>Duplication and inefficiency</p> <p>Asymmetric value exchange</p> <p>Weaponization of information by AI</p>	<p>Solution</p> <p>Data consortiums</p> <p>Trust Framework</p> <p>Self Sovereign Identification</p> <p>Open data and open systems</p> <p>Honest and usable APIs / SDKs</p> <p>Fair value exchange</p>	<p>Value Proposition</p> <p>Data as treasure (taonga)</p> <p>Freedom to Choose</p> <p>Data Freedom = Free Economy</p> <p>Fair Trade for my Digital DNA</p> <p>Change apathy on data ownership through awareness and education - time to stand up for our digital self #freedomdata</p>
<p>Unfair Advantage</p> <p>Individual mana across team of Five Million</p> <p>Social fabric</p> <p>Sense of fairness</p> <p>Everyone is equal in the data economy</p>	<p>Channels</p> <p>Leaders</p> <p>Connectors</p> <p>Heroes</p> <p>Champions</p>	<p>Metrics</p> <p>Penetration of personal identifiers (DIDs)</p> <p>New data ventures</p> <p>ROI on Infrastructure Adoption</p> <p>Get everyone above the line</p>



Key Themes

The key themes that emerged from Group discussion are summarised in this section.

Digital Infrastructure

1. Support our values through a shared public digital infrastructure “The Trust Stack”

- Identification management - an individual’s representations
- Open data sharing networks (i.e. 5G, mesh networks, IoT) - the network
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Trusted Technology Stack Example (Gartner)

Digital Identity

[Authentication, Signature, Consent, Credentials, Business Apps]

Decentralized Identity Implementation

[Wallet, Agent, SDK, API, Payload, Encoding]

Data Protection & Authentication

[Encryption, DID Authentication, Verification, Challenge/Response]

Identifier

[DID Storage, DID Resolution, DID Transport, DID Operations]

Identity Trust Fabric

[Public / Enterprise Blockchain and/or Other Decentralized Storage]

2. Expand Digital Council, NZ Tech Alliance or expand the scope of Government Digital Services to Ministry of Digital Services for Aotearoa NZ to oversee funding allocation for essential digital infrastructure as follows:

- Accelerate UFB / 5G everywhere
- Work with industry to build the tools and drive adoption.
- Capitalise on unique opportunity post Covid to recruit surplus private sector talent into government.
- Educate - get the team of 5 million on board.

Key Themes

3. Aotearoa NZ Consortium - Identification management ecosystem

- The consortium holds value for the entire economy by building a strategic alliance to boost the network effect of synchronized data, while adhering to data privacy laws.
- A NZ Trust Framework would safeguard the taonga of personal data ecosystem for all NZers (e.g. Estonia / Singapore)
- Identification rails that ensure Interoperability such as DID matched verifiable credentials
- High value use cases drive adoption of identification and digital representation ecosystem:
 - MoH - Health Passport enabling the World's Smartest Border
 - MBIE - Talent Marketplace can support workforce redeployment, talent-matching, contracting, reduced friction and the future of work.
 - Worksafe - Health and Safety compliance
 - Expand access to include company and trust entities via individual IDs

Communities

Ultimately it comes down to human centric projects that deliver for our communities:

- Identify the projects communities care about, identify cross collaboration opportunities and shared resources.
- Co-creation by cross functional teams serving alongside communities and community stakeholders.
- Creative approaches to funding collaboration including consortium models

Expand network and spaces for innovation:

- Establish collaborative spaces nationally across existing community venues and forums to bring communities together to learn, exchange skills, collaborate and innovate together.
- Leverage existing networks like GridAKL, Epic Innovation, Creative HQ, Soda, Priority One and incentivise them to be hubs to support satellite innovation spaces in the regions.

Key Themes

Support

1. Develop values based narrative amplifying the successful initiatives to build confidence and attract talent
2. Funding
 - Prioritise funding for existing projects and initiatives that align to this framework including community and govtech Accelerators.
 - Adopt innovative procurement models such as unsolicited bids and consortium approaches.
3. Incentivise organisations to support communities
 - Tax incentives for organisations to deliver on social KPIs/ Sustainable Development Goals (SDGs) including support for local communities, donation to local initiatives, volunteer staff time to communities.
4. Legislation
 - Examine policy and regulation gaps that need to be addressed to enable new behaviours, immigration (e.g. EHF Global Impact Visa), structures and more agile government.
5. Digital Apprenticeships / Internships
 - GEM Academy (gemacademy.nz) - Work Integrated Learning / Digital Internship & Apprenticeship program being developed by Zeald.
 - Voluntarily.nz
 - A shared volunteering infrastructure that can match corporate capability to communities for knowledge exchange, solution co-creation and empowerment
 - Shared knowledge - a place for communities to pool their collective knowledge
 - Education will enable communities to meaningfully participate in projects, develop new capabilities and skills.
 - Create new pathways to develop digital skills working on real world projects backed by industry
 - Microcredentials - a new trust framework for qualifications
 - Places in communities that are connected to the values, and can leverage those communities resources (e.g InAwe)
 - Create pathways for developing talent like we do in rugby, but celebrating our diverse digital heroes to inspire others to follow these paths.

Values

Everything is supported and linked back to our core values of manaakitanga, kaitiakitanga and Kotahitanga. A values driven approach ensures we are giving back to our communities and lifting everyone.

Outcomes

Cross Sector Collaboration

- Universal access to internet
- Universal inclusion in identification and data ecosystem
- Devices for all
- Trusted digital experiences

Global Voice

- NZ is globally recognised for doing business better
- Switzerland of the South Pacific - advanced high productivity economy

Build Back Better

- Holistic wellbeing
- Human centric experience delivery
- Hyper connected world

Data Ownership

McKinsey identified from seven focus countries, extending full digital ID coverage could unlock economic value equivalent to 3 to 13 percent of GDP in 2030, with just over half of the potential economic value potentially accruing to individuals.

Therefore the 2030 opportunity for New Zealand GDP contribution:

NZD\$15 Billion of economic value creation

Calculation: 2019 NZ GDP USD205 Billion / NZD320 Billion @ 5%

<https://medium.com/positive-returns/new-insight-good-digital-identification-as-a-key-to-inclusive-growth-33c64de32004>

'The largest contributors to economic value for individuals are access to financial services and employment. Digital IDs, for example, enable access to less costly digital bank accounts and to talent-matching and contracting platforms. The largest sources of value for business and government institutions are time and cost savings, reduced fraud, increased sales of goods and services, improved labor productivity and higher tax revenue.' - **CIO Journal, WSJ**

- Open collaborative systems driven economy
- Individuals own data and control their own data and digital self
- Freedom to choose to share and revoke personal data access to service providers including government

Attendees

Vaughan Fergusson - Vend

Andy Higgs - Centrality

Zoe Timbrell - Pam Fergusson Charitable Trust

Helen Littlewood - Air New Zealand

Jerome Faury - CentraPay

Steve Adams - Pocketful

Ben Forman - Wrestler

Adam Walmsley - AutoDesk

Aaron McDonald - Centrality

Ben Tairea - Ahau

David Kelly - Zeald

Neil Webster - Amazon

Daniel Larkin - Onel Island

Rachel O'Shea - Yabble

Brooke Howard Smith - We Are Tenzing

Kathryn Topp - Yabble

Alice Sanders - CentraPay

Walter Lim - Swiftly

Eteroa Lafaele - Software Engineer

Brittany Teei - Kids Coin

Sarah Colcord - NZ Made

David Hallett - Company-X