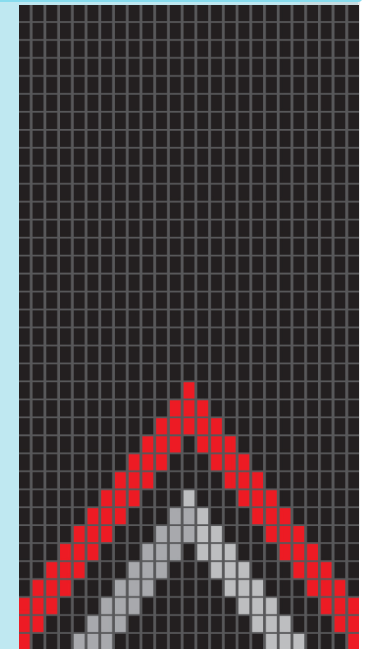


UCLA, 19 May 2017

Indigenous Data Sovereignty: Past, Present, Future

Professor Tahu Kukutai
Associate Professor Maui Hudson
The University of Waikato



INDIGENOUS DATA SOVEREIGNTY

TOWARD AN AGENDA

Edited by TAHU KUKUTAI
and JOHN TAYLOR



"A debate-shaping book ... it speaks
to a fast-emerging field; it has a lot of
important things to say and the timing is right."
Stephen Cairns, Professor of Sociology
and Faculty Chair of the Human Rights Institute,
University of Alberta

Australian
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University
PRESS

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press@anu.edu.au/publications/centre-for-global-economic-policy-research/capri/indigenous-data-sovereignty



THE UNIVERSITY OF
WAIKATO
Te Whare Wānanga o Waikato

Canberra IDSov Workshop, July 2015



- Share concerns, ideas, case studies across the CANZSUS states
- Develop IDSov agenda, leveraging instruments such as UNDRIP

THE BOOK

INDIGENOUS DATA SOVEREIGNTY

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Free download:

<https://press.anu.edu.au>

Book content and findings

FOUR KEY PARTS

- Conceptual thinking around the meaning and foundations of indigenous data sovereignty
- Critiques of official statistics and ideas for decolonising indigenous data
- Case studies from CANZUS of emerging practice of indigenous data sovereignty
- State NSO perspectives

SELECT FINDINGS

UNDRIP does have implications for data sovereignty – it requires a relocation of authority over data from nation-states back to indigenous peoples

Official statistical systems are colonial and ill-equipped to support the governance aspirations of indigenous polities

Some NSOs recognise need for change but are constrained by a focus on indigenous ‘populations’ rather than ‘peoples’; in service of the needs of national governments

Still much to be done:

- New metrics of indigenous development and wellbeing
- Indigenous epistemologies for data gathering
- Strong legal basis for IDSov
- Models for data governance and capacity

Inaugural Te Mana Raraunga hui, Hopuhopu, October 2015

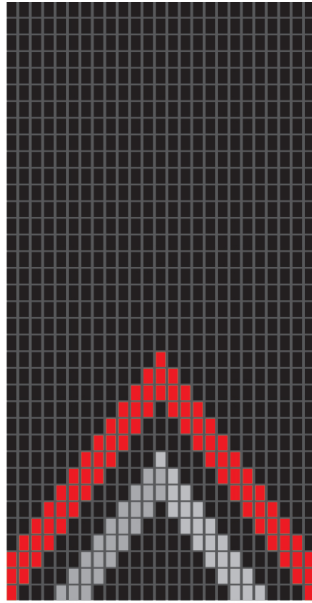
* Build network

*Formalise/
Charter

*Partner

*Strategise





TE MANA RARAUNGA

Māori Data Sovereignty Network

**Advocating for the development
of capacity and capability across
the Māori data ecosystem
including:**

- Data rights and interests
- Data governance
- Data storage and security
- Data access and control

- * Charter
- * Audit tool
- * Resources
- * Research
- * MDSov Orgs



<https://www.temanararaunga.maori.nz/>

@MaoriDSov

#BuildingDataSovereigntyCapacity

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Promoted by Alien: Covenant

[#IvoLiveEncantadia](#)

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[#CryingInTheClubMusicVideo](#)

88.7K Tweets

[#BuenViernes](#)


7,902 Tweets



Maori DSov @MaoriDSov · 11h

Charlie and his data angels...[#BuildingDataSovereigntyCapacity](#)





"Policy Forum: The Governance of Indigenous Data"
 One and a Half Day Working Meeting
 May 18 and 19, 2017 UCLA Public Affairs Room 2355
 Thursday May 18, 2017

Set expectations and give overview of activities. Welcome.
 Purpose:

- Broad discussion of Indigenous Data topics and terms.
- Create a working group and a process that is useful for the discussions in the future.
- Come to agreement on a draft set of principles for data governance.
- Set agenda and topics for future events.

Group Exercise – Brief Introductions
 Prioritization Activity 1
 Keynote Talk 1: Dr. Matthew Snipp
 Coffee Break
 Presentation on Indigenous Data Governance: Desi Lonebo



Honolulu, May 2016 – Building our relations



Madrid, Oct 2016 – Open Data movement



Auckland, Nov 2016 – Expanding reach



Brisbane, Mar 2017 – Governance

What is Māori Data Sovereignty

Is the right of Māori to access, to use, to have governance and control over Māori Data.

- Supports the realisation of Māori, iwi, hapū and whānau aspirations
- Is a key mechanism for enabling self-determination and innovation

What are Māori Data?

Data from Māori (self-generated)

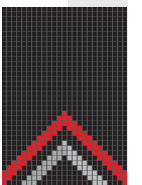
From iwi, Māori organisations and businesses

Data about Māori (generated by others)

Used to describe or compare Māori collectives

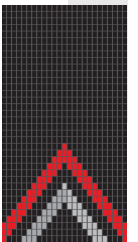
Data about Māori resources

Generated by self and/or others



Data and the Treaty

- '**Maori Data Sovereignty**' recognizes that Māori data should be subject to Māori governance (**Article 1**)
- The '**Cultural License**' focuses on the social contract between Crown and Iwi through their Treaty relationship (**Article 2**).
- The '**Social License**' relates to a social contract or expectation that the government will act in the interest of its citizens. (**Article 3**)



**In Aotearoa,
ID-Sov is now
a significant
issue**

**Iwi wanting access
to and possession of
data for their own
development**

**Regional health data
sharing agreement
includes Māori D-Sov**

**Treasury /
Stats NZ
forums**

**Iwi Chairs
Forum
Data
Leadership
Group**

**Independent
Maori
Statutory
Board :
Data Strategy
Expert Panel**



**Te Mana
Raraunga**

ID-Sov Research

Māori Data Audit
Tool (accountability)

Tikanga & Big Data
(governance)

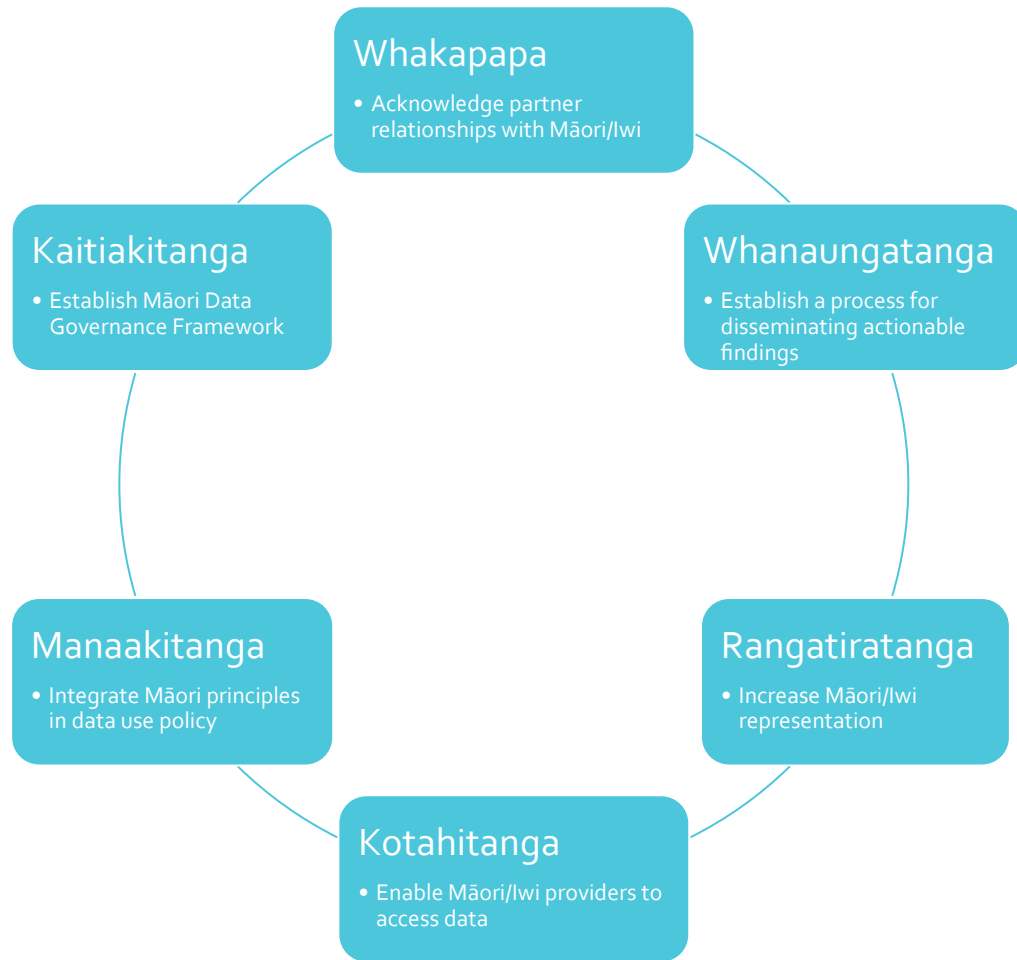
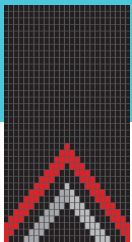
How are data a
taonga
(our concept of value)

Enduring aspirations in digital age
(Ngā Pae – Māori CoRE)

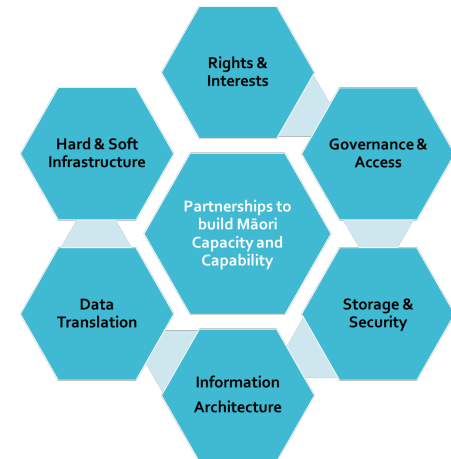
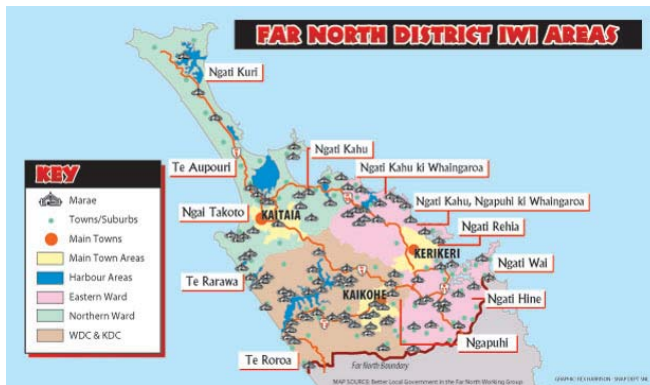
University of
Waikato
research platform

ID-Sov
Research Programme

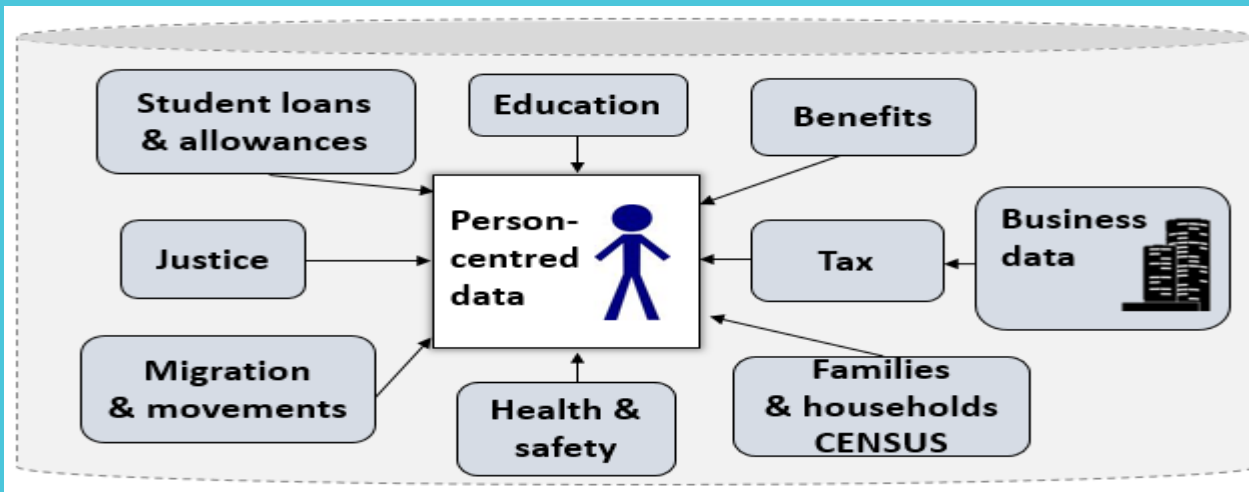
Built on a Māori worldview



I.T.I = Information, Translators, Infrastructure



Official Data Infrastructure



- ⊙ about people, households, & businesses
- ⊙ Linked across **time** and **sector**
- ⊙ **30 +** data sources

Treasury :
data to inform
investment
\$50 bil. per year

**Regions are
defined along
GOVERNMENT
boundaries**

THE VALUE OF DATA: WHERE IS THE VALUE FOR US?

Unleashing the power of data to change lives

Statistics New Zealand's purpose is to empower decisions by adding value to New Zealand's most important data.

A world where knowledge creates power for the many, not the few.

Open Knowledge Australia

NEW ZEALAND **DATA FUTURES FORUM**

NZ IS A WORLD LEADER IN THE TRUSTED USE OF SHARED DATA TO DELIVER A PROSPEROUS, INCLUSIVE SOCIETY.

Watson Health

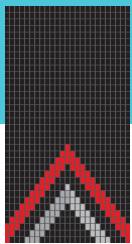
Welcome to the cognitive
era of health

A New Partnership Between Humanity and Technology

It's time to transform health with new ways of working to improve approaches to care, productivity and well-being. Watson Health's cognitive systems understand, reason and learn – helping to translate information into knowledge that can help drive more informed decision-making. With cognitive computing, we can see and analyze more data than ever before – and achieve more than we ever thought possible.

INFRASTRUCTURE

Iwi defined GIS maps



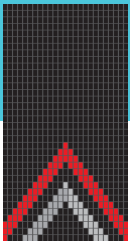
Stats NZ Pilot Project

“Adding a Maori GIS capability to the Official Statistics System”

- Creating **iwi-defined** GIS boundaries within the data structure
- A **permanent structural change** to the data resource.
- **GIS ‘cookie cutter’** for official data
- **Iwi defined regions** turned into GIS data tool

INFORMATION

Māori Data Audit Tool



1. Does the agreement recognise Māori Data?
2. Does the data sharing agreement allow the creation of additional Māori-specific/iwi-specific data sets?
3. Does the agreement recognise Treaty relationships?
4. Does the agreement recognise Māori rights to data and interests in data?
5. What mechanisms are in place to protect Māori data? (eg quality, security, privacy, confidentiality)
6. What mechanisms are in place to safeguard the use of Māori data?
7. Is the agreement specific about the purpose and use of data?
8. To what extent are the TMR principles given effect to?

INFORMATION

Māori Plan for Auckland



Download from: www.imsb.maori.nz

- Developed measurement framework for Maori wellbeing, based on Maori values

- Identified NEW measures – beyond the status quo

- Developed partnerships to collect the data

- From data collection to implementation

- Changing the narrative – Measuring Maori contribution

Looking Ahead

- Control through legal mechanism: Privacy Act and Statistics Act under review
- Social and cultural license
- Data governance over key national datasets
- **Building a national data infrastructure that is accountable to local peoples and their collective aspirations for wellbeing**
- Building capability across the data ecosystem

KIA ORA



'Whalerider', Preston Singletary & Lewis Tamihana Gardiner