

# The Past, Present, and Future of Government Data Publishing



Canterbury 0.4m Rural Aerial Photos (2013-14)  
Land Information New Zealand





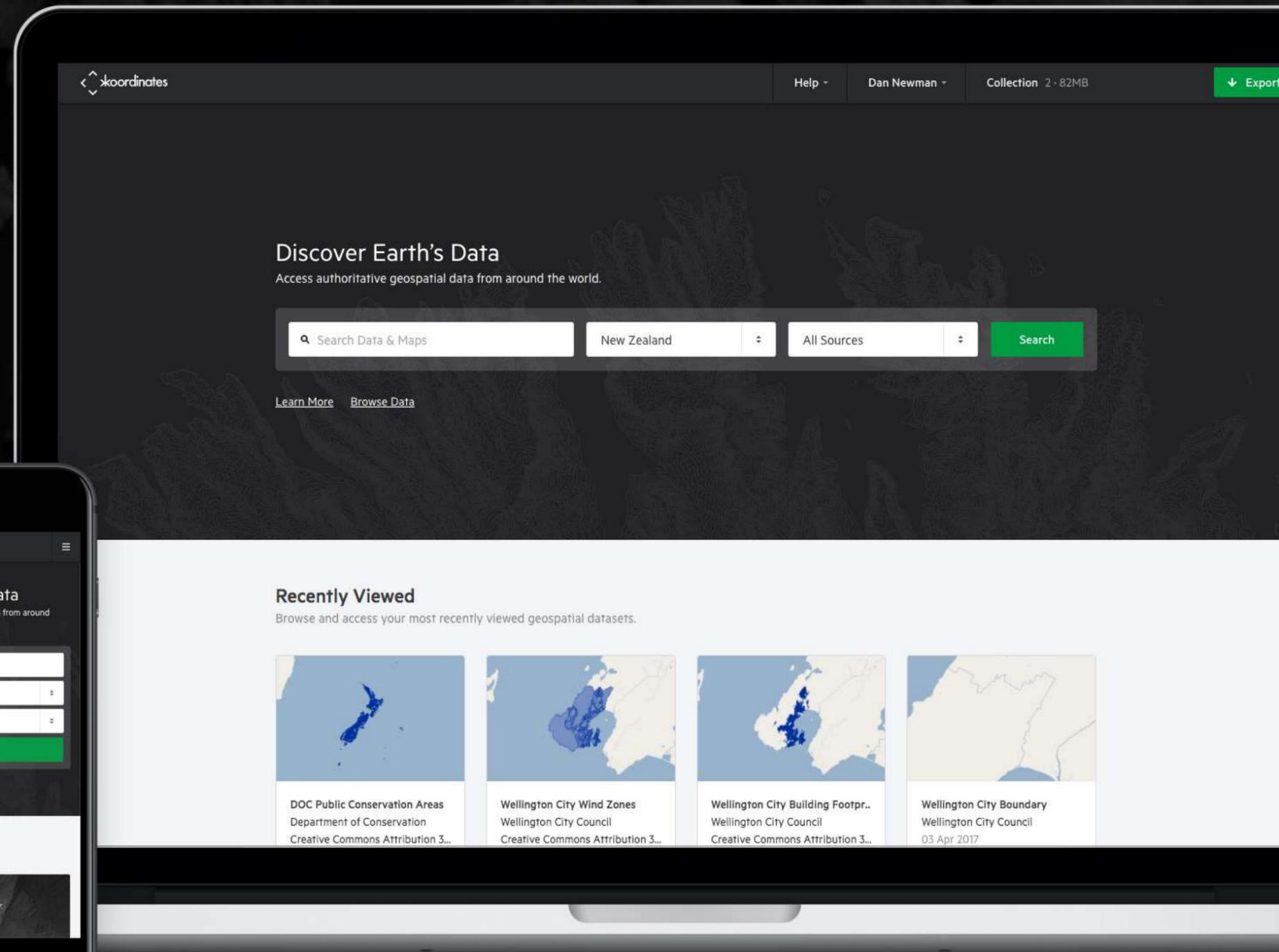
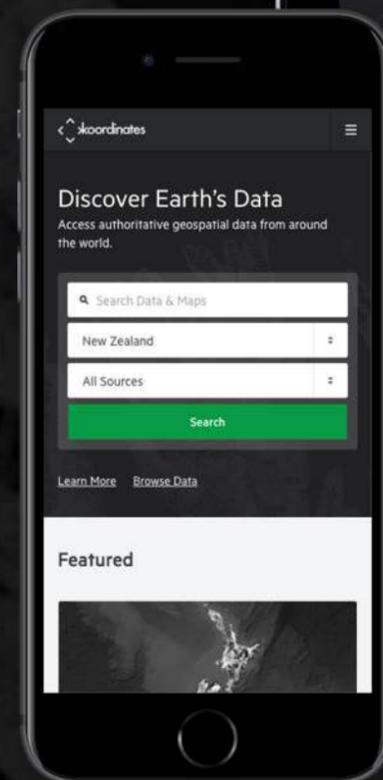
# Anne Harper

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Our goal is to realise the potential of geospatial data.



# Mapping Cloud Break

Reef Data: Fiji Ministry of Lands & Mineral Resources  
Aerial Imagery: Bing  
Marine reserve captured by Anne Harper.





2006–7

Creative Commons Australia  
and Aotearoa New Zealand

2009–10

AUSGOAL and NZGOAL  
Open Access & Licensing Framework



# What is Dormant Data?

Data requires technical expertise to access.

Data is view-only.

Data requires proprietary software to access, or is available in a limited number of formats and projections.

Data is not available via API or web services.

Data cannot be previewed or appraised before export.

Data is not easily discoverable either within the site or via Google.

Data has confusing or contradictory licensing statements.

“

While ‘getting the data out’ is arguably the single most important obligation a data portal must fulfill, it isn’t enough anymore. Public data needs to be more than available – it needs to be easily accessible and usable for everyone.

Civil Analytics Network — Harvard University

# The Open Data Puzzle



Cultural change, including evolving attitudes around the benefits of 'open'.



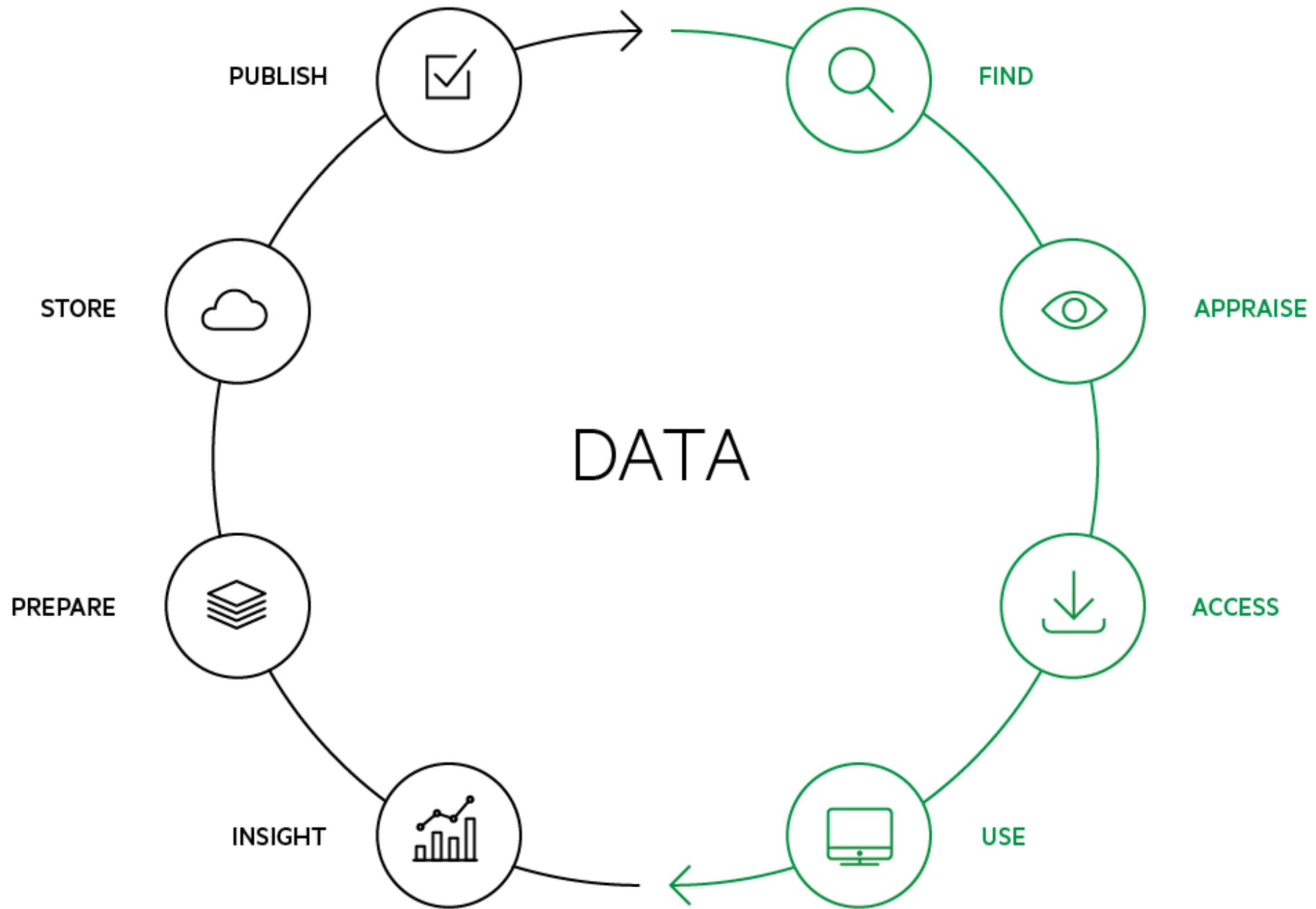
Government policy, including advocacy and education around the nuts and bolts of open policy implementation.



Legal tools, such as human-readable open licences like Creative Commons.



Technology, including cheaper cloud storage, better browsers, and ultimately easier ways to distribute data to those who need it.



Universality  
Usability  
Reliability



NZ Property Titles  
Land Information New Zealand / Survey & Title

# A Radical Increase in Data Reuse

226,240

Views

26586

Downloads



NZ Property Titles  
Land Information New Zealand / Survey & Title



# Solving the Problem of Data Discoverability

# The Future

Public data—in your own site—immediate and authoritative.

The screenshot displays the EARTH'S Data Service interface. The top navigation bar is green and contains the logo, a search bar with the text "Search Data & Maps", and a "Browse" button. Below the navigation bar, a list of datasets is shown, each with a thumbnail map of New Zealand, a title, the source (Statistics New Zealand), the license (Creative Commons Attribution 3.0 New Zealand license), and the number of views and date. The datasets listed are:

- Meshblock 2013**: 6107 views • 16 Feb 2016. Action: Remove from Collection.
- Age by meshblock (2013 Census)**: 3366 views • 11 Dec 2015. Action: Add to Collection.
- Counts of Te Reo speakers of Maori descent by Meshblock**: 2805 views • 16 Jun 2016. Action: Add to Collection.
- Area Unit 2016 Generalised Version**: 2352 views • 09 Dec 2015. Action: Add to Collection.
- Ethnic group by meshblock (2013 Census)**: 2287 views • 11 Dec 2015. Action: Add to Collection.

On the right side of the interface, there is a map of New Zealand with a green overlay. Above the map is a toolbar with icons for zooming in (+) and out (-), a search icon, a "Layers" panel, a "Blank" button, a "Crop" button, and a "Find address" input field.

# The Future

Public data—in your own site—immediate and authoritative.

One point of data truth.

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On the right side of the interface, there is a map viewer with a toolbar containing icons for zooming (minus and plus), search, layers, blank, crop, and a "Find address" input field. The map itself shows a green-shaded area representing the data layer selected, overlaid on a white background with blue outlines for water bodies.

# Thank you!

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