



Toitū Te Whenua
Land Information
New Zealand

Presented at the FIG Working Week 2025,
6-10 April 2025, Brisbane, Australia

New Zealand's role in the global geodesy supply chain through collaboration and innovation

FIG 2025

Matt Wightman

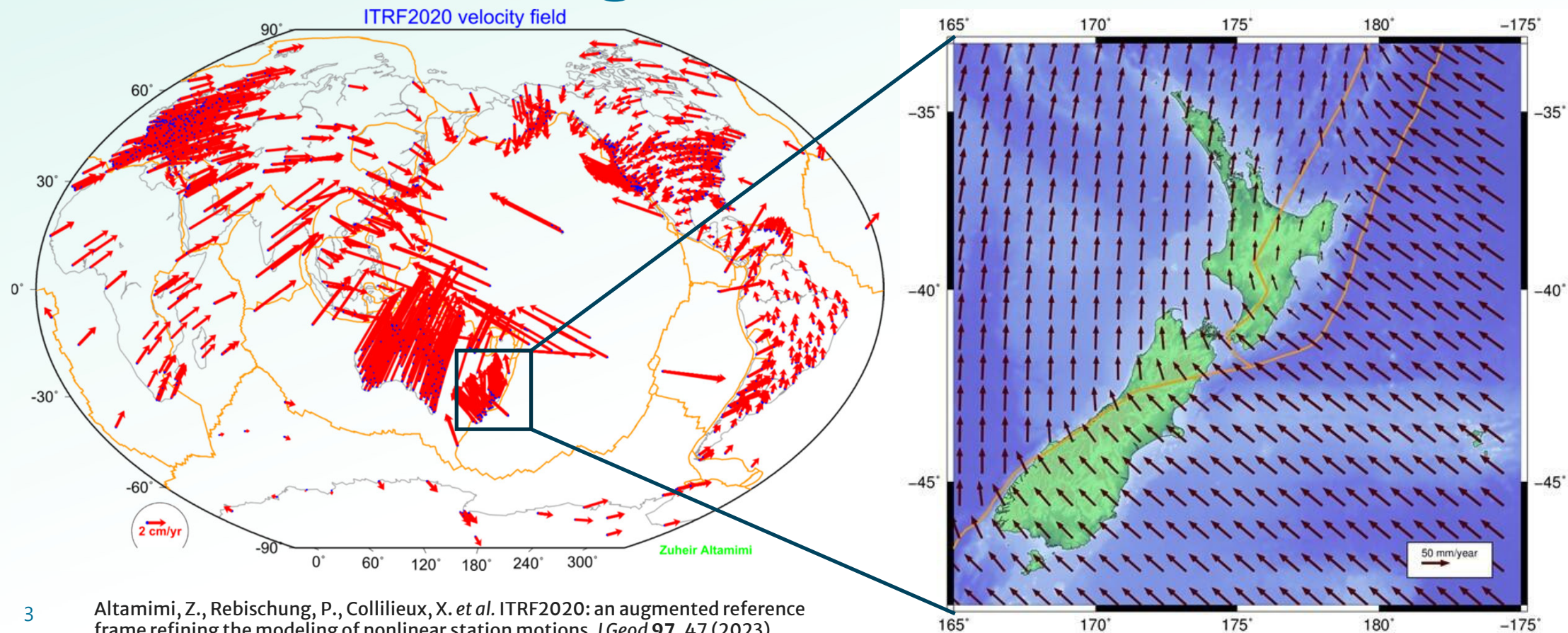
Mātanga Tātai Wāhi/Geospatial Specialist – Geodesy

6-10 April 2025

Agenda

- 1 Introduction
- 2 New Zealand's geodetic context
- 3 Global Geodetic Supply Chain and New Zealand
- 4 Warkworth
- 5 Benefits of Collaboration

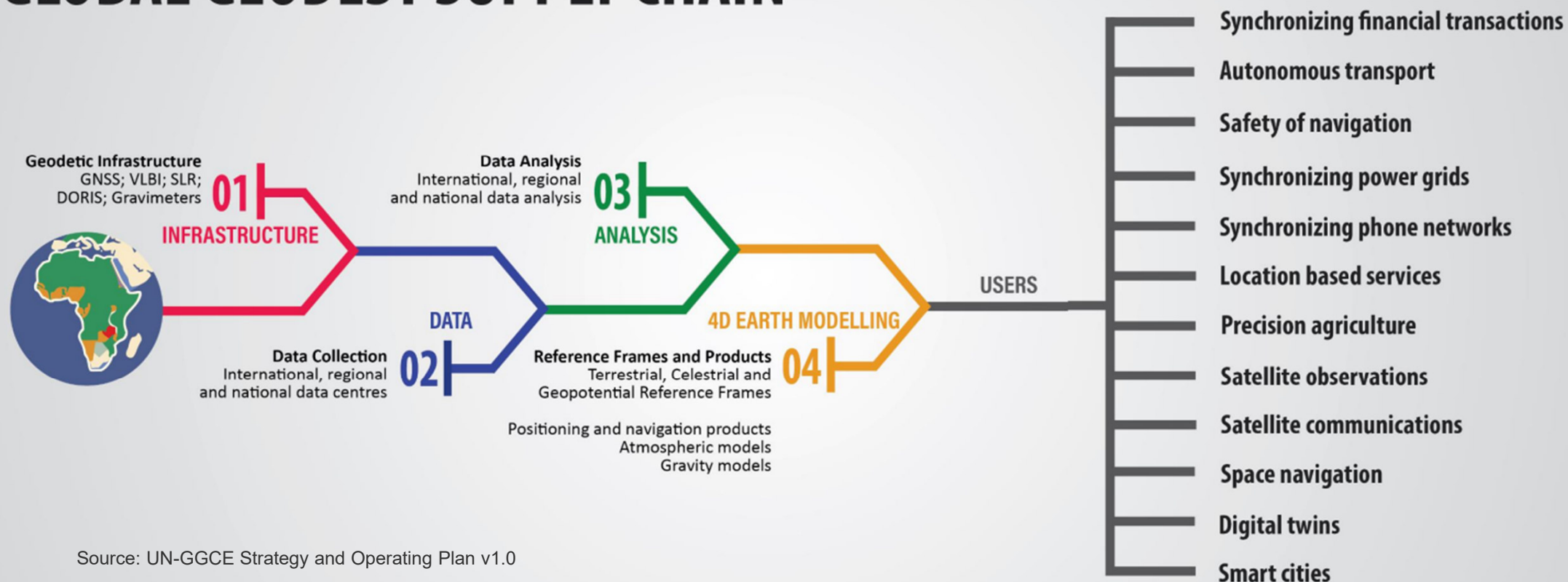
New Zealand's geodetic context



Altamimi, Z., Rebischung, P., Collilieux, X. *et al.* ITRF2020: an augmented reference frame refining the modeling of nonlinear station motions. *J Geod* 97, 47 (2023).
<https://doi.org/10.1007/s00190-023-01738-w>

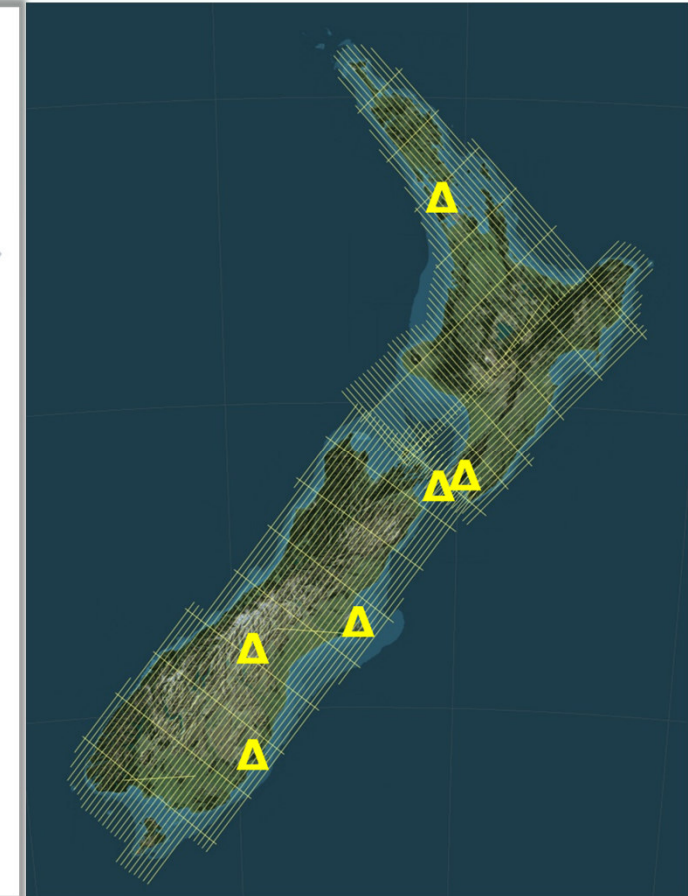
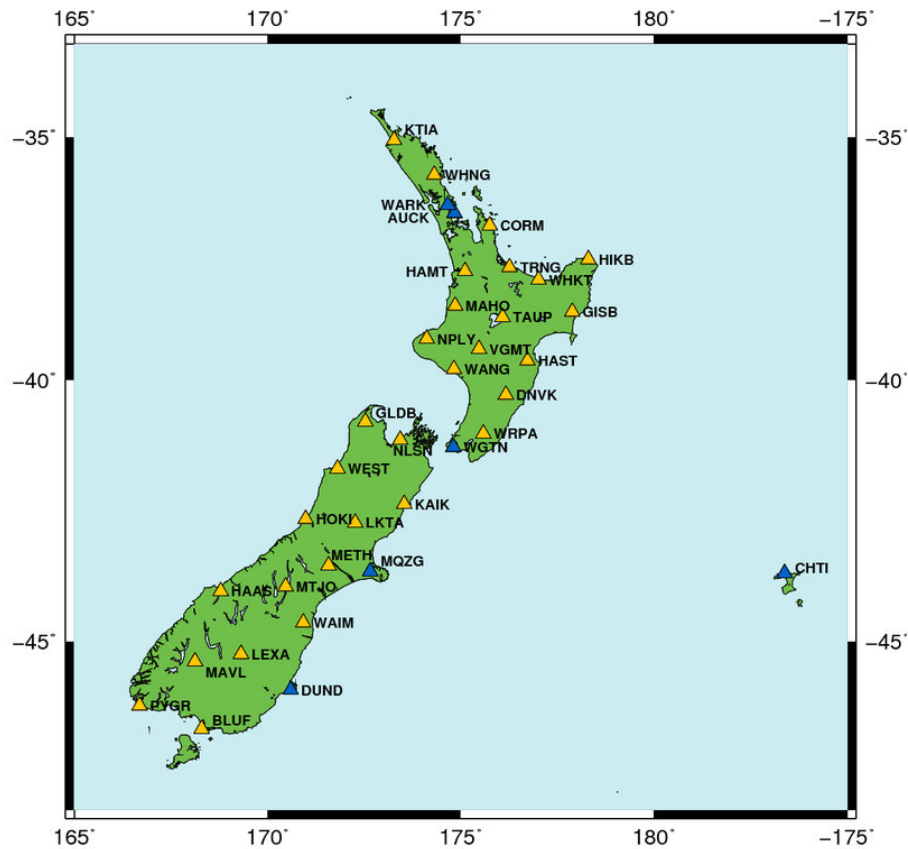
Global Geodesy Supply Chain

GLOBAL GEODESY SUPPLY CHAIN

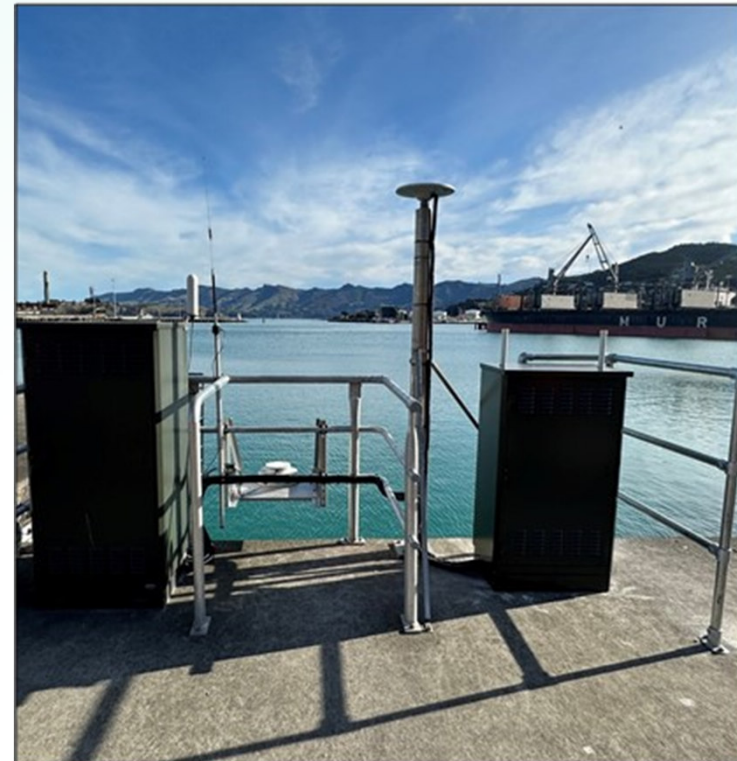


Source: UN-GGCE Strategy and Operating Plan v1.0

Geodetic Infrastructure



Geodetic Infrastructure: GNSS



DORIS / REGINA



VLBI

8

Warkworth

- LINZ has recently taken over operation of site, contracted through SpaceOps NZ
- Supply data to IVS
- We don't analyse the data ourselves
- Benefit a lot from products derived from VLBI sessions



Warkworth



Thank you!