

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



Toitū Te Whenua
Land Information
New Zealand

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

FIG 2025

Matt Wightman

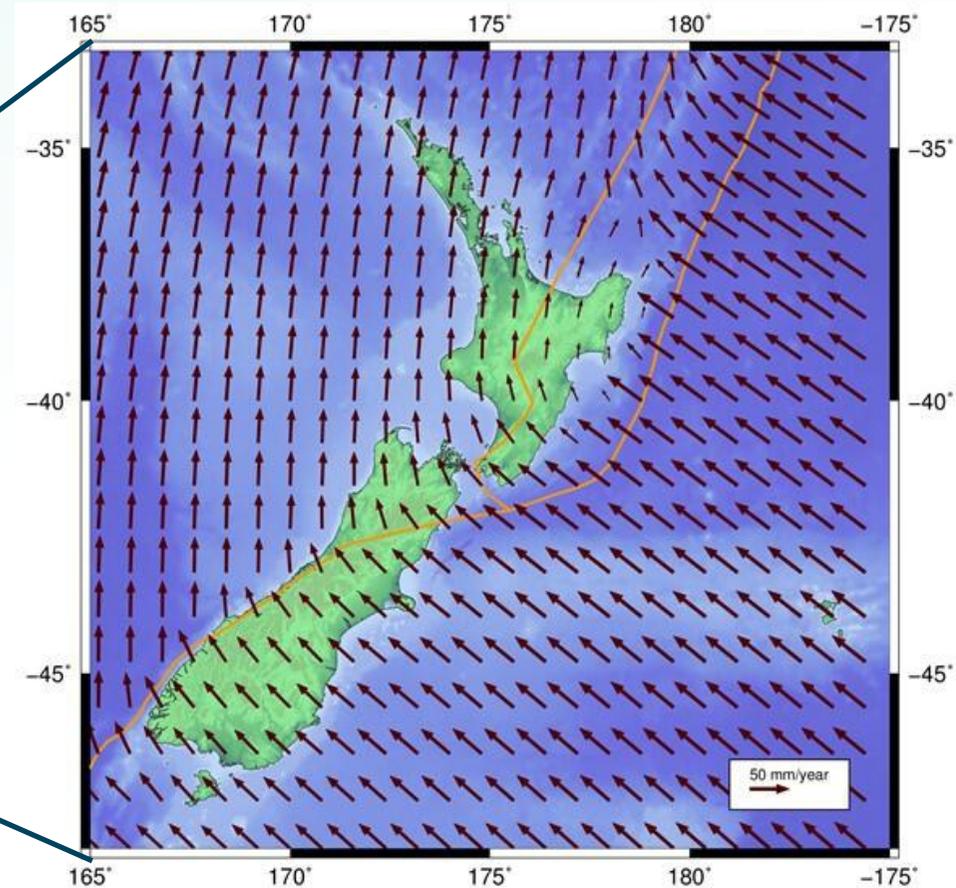
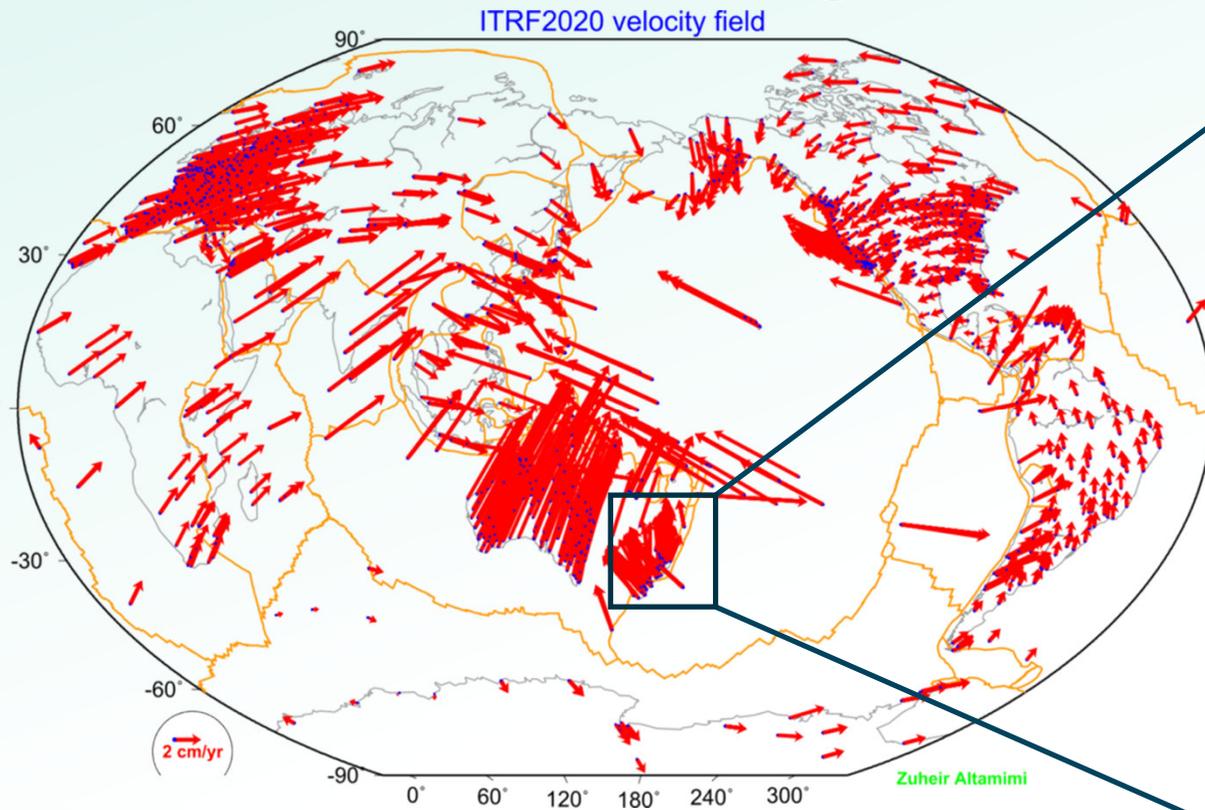
Mātanga Tātai Wāhi/Geospatial Specialist – Geodesy

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

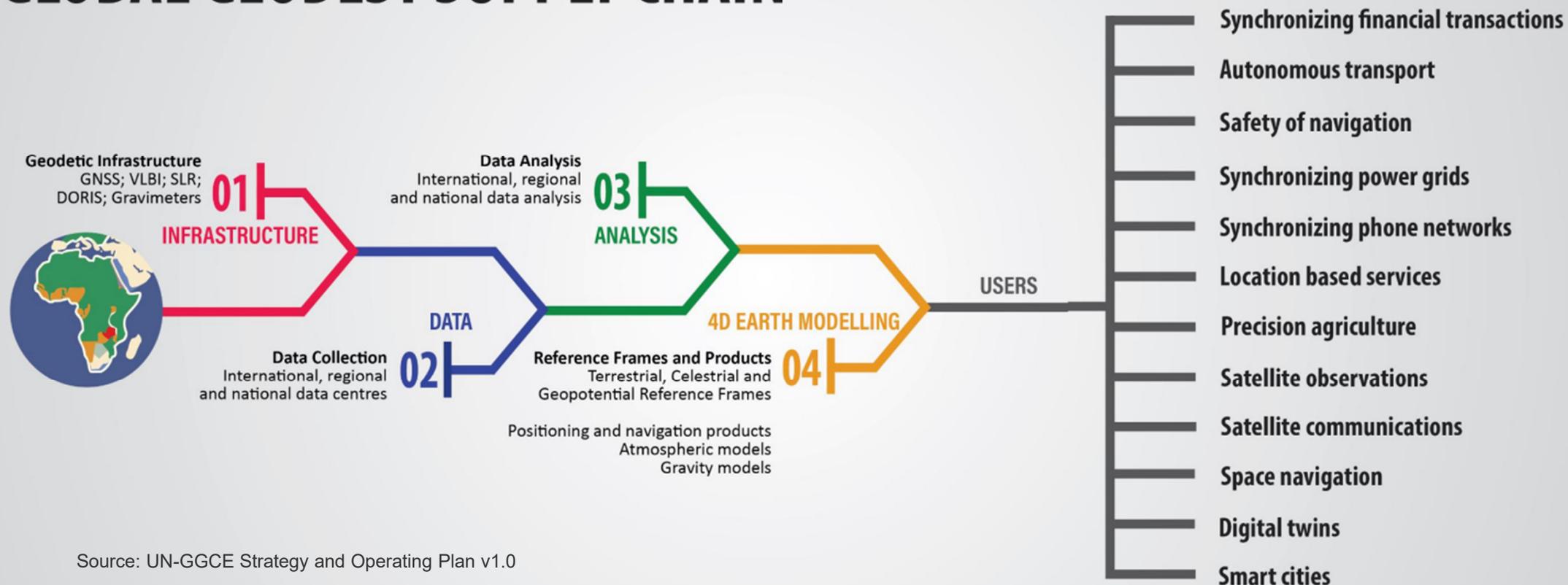


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Altamimi, Z., Rebischung, P., Collilieux, X. *et al.* ITRF2020: an augmented reference frame refining the modeling of nonlinear station motions. *J Geod* 97, 47 (2023).
<https://doi.org/10.1007/s00190-023-01738-w>

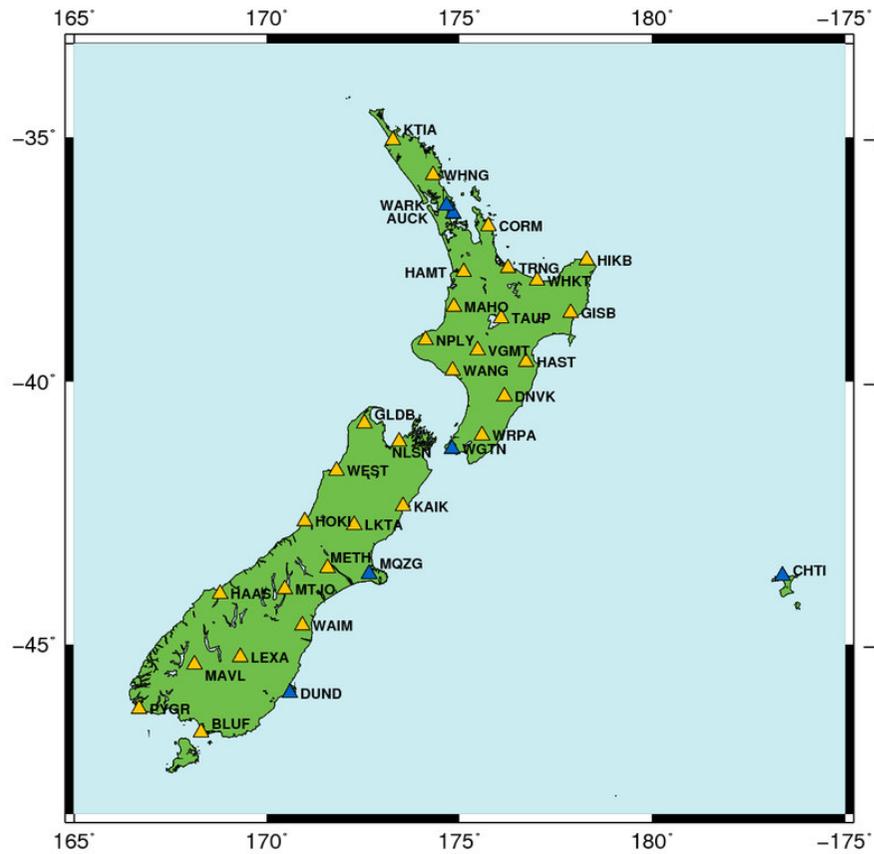
Global Geodesy Supply Chain

GLOBAL GEODESY SUPPLY CHAIN

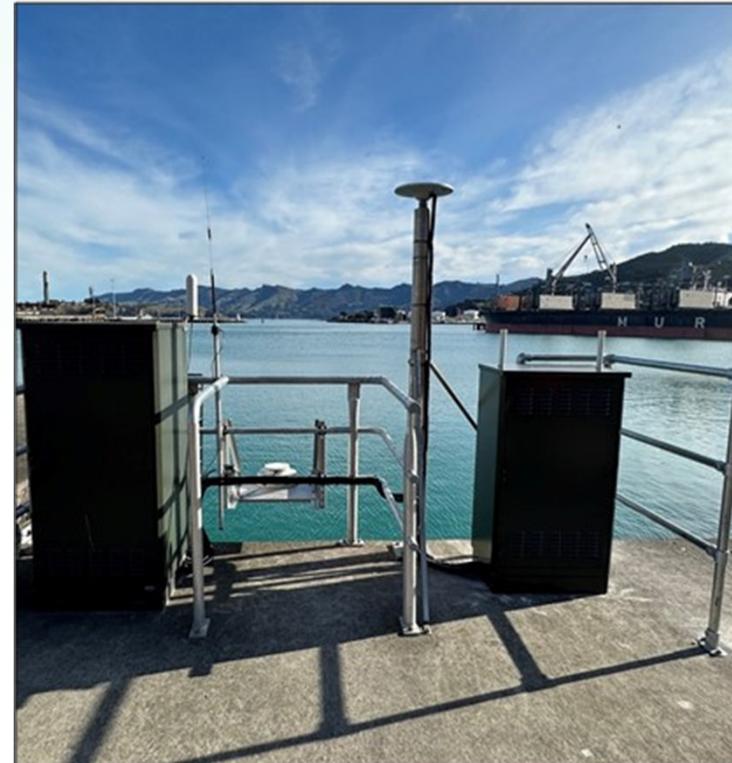


Source: UN-GGCE Strategy and Operating Plan v1.0

Geodetic Infrastructure



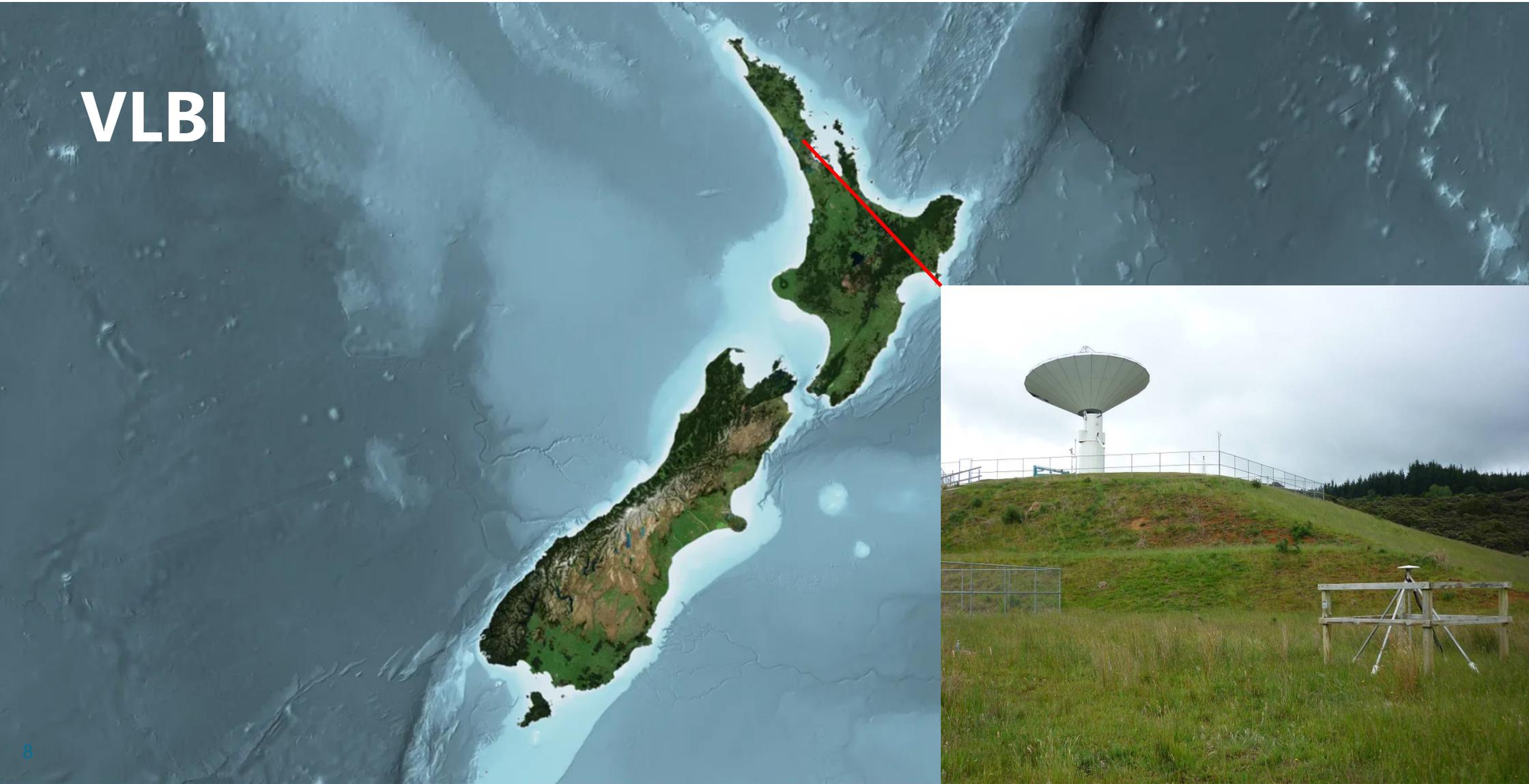
Geodetic Infrastructure: GNSS



DORIS / REGINA



VLBI



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!