

WORLD TOURIST MAP



Uncharted desert island off N.Z. populated by a backward tribe known as STRINES

Shaded area shows coastal mud flats

New Zealand

SOS @ NIWA

National Institute for Water and Atmospheric Research



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National climate archive

National hydrometric database

National level water quality data

Atmosphere and marine sensor databases

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Federation of agencies: CRI's, councils, central govt, etc

common standard for data sharing / interoperability: EODP

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EODP: SOS/WFS based protocol

Hilltop

Kisters

52 North

...

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EODP: SOS/WFS based protocol

Hilltop: local timeseries/hydrometric database plus...

Kisters: at least one NZ regional council

52 North: NIWA, plus other interest

...

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LAWA (Land and Water Aotearoa) : Councils & MfE initiative

Crown Research Institutes:

GNS Aquifer/groundwater monitoring data
 Seismic/earthquake sensor data

Landcare Research: Soils related freshwater data

NIWA: precipitation, streams, rivers, lakes, estuaries

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NIWA system –

52N under development

Existing/legacy db's – not O&M compliant -

(Near) real time access & historical edits preclude data warehousing

Custom DB accessor middleware, custom 52N -

- implement as standard 52N capability
- contract 52N for support/maintenance
- multiple accessors via single instance

Client tools (QGIS SOS plugin, SOS4R)

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