



Sentinel2 2022 Mainland NZ Footprints

Metadata

Language

eng

Hierarchy Level Name

dataset

Contact

Responsible Party

Organisation Name

LUCAS, Ministry for the Environment

Contact Info

Contact

Address

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Country

NZ

Electronic Mail Address

lucas@mfe.govt.nz

Date Stamp

Date Time

20220801

Metadata Standard Name

ISO 19115:2003/19139

Metadata Standard Version

1.0

Spatial Representation Info

Vector Spatial Representation

Integer

0

Identification Info

Data Identification

Citation

Citation

Title

Sentinel2_2022

Abstract

This imagery is 10m, ten-band multispectral 1 ("B2" 490nm), 2 ("B3" 560nm), 3 ("B4" 665nm), 4 ("B5" 705nm), 5 ("B6" 740nm), 6 ("B7" 783nm), 7 ("B8" 842nm), 8 ("B8a" 865nm), 9 ("B11" 1610nm), 10 ("B12" 2190nm), cloud-minimised mosaics of Sentinel 2A and 2B satellite tiles over mainland New Zealand made from scenes captured late-2021/early-2022.

This imagery is used by the Land Use Carbon Analysis System (LUCAS) at the New Zealand

Ministry for the Environment to map and quantify changes in New Zealand land use. This information is used to calculate greenhouse gas emissions and removals for the Land Use, Land Use Change and Forestry (LULUCF) sector toward meeting our international reporting obligations under the Kyoto Protocol and United Nations Framework Convention on Climate Change (UNFCCC).

Purpose

Data: multispectral imagery mosaic | Date range: 2021-2022 | Coverage: Mainland NZ | Resolution: 10m | Ten bands: 1 (Blue), 2 (Green), 3-5 (Red), 6-8 (NIR), 9-10 (SWIR) | Sensor: Sentinel-2

Credit

Contains modified Copernicus Sentinel data 2022 for Sentinel data

Credit

European Space Agency (capture, orthorectification)

Credit

Manaaki Whenua - Landcare Research (mosaicking)

Point Of Contact

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Organisation Name

LUCAS, Ministry for the Environment

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lucas@mfe.govt.nz

Resource Format

Format

Name

*.xml

Version

Unknown

Resource Constraints

Legal Constraints

Use Limitation

Creative Commons Attribution 4.0 International by Ministry for the Environment

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Constraints

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Language

eng

Topic Category Code

imageryBaseMapsEarthCover

Microsoft Windows Server 2012 Version 6.2 (Build 9200) ; Esri ArcGIS 12.9.0.32739

Extent

EX_ Extent

Geographic Element

EX_ Geographic Description

Identifier

Authority

Citation

Title

ANZMet Lite Country codelist

Edition

Version 1.0

Edition Date

Date Time

20090331

Identifier

Identifier

Code

<http://asdd.ga.gov.au/asdd/profileinfo/anzlic-country.xml#Country>

Cited Responsible Party

Responsible Party

Organisation Name

ANZLIC the Spatial Information Council

Code

nzl

Distribution Info

Distribution

Distributor

Distributor

Distributor Contact

Responsible Party

Organisation Name

LUCAS, Ministry for the Environment

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Data Quality Info

DQ_ Data Quality

Lineage

LI_ Lineage

Statement

Component ortho-rectified Sentinel 2A and 2B tiles in UTM projection were sourced from the European Space Agency (ESA). Bands: 1 ("B2" 490nm), 2 ("B3" 560nm), 3 ("B4" 665nm), 4 ("B5" 705nm), 5 ("B6" 740nm), 6 ("B7" 783nm), 7 ("B8" 842nm), 8 ("B8a" 865nm), 9 ("B11" 1610nm), 10 ("B12" 2190nm) Note: All bands not already 10m resolution are pan-sharpened to 10m from nominal 20m. Pan-sharpening, conversion to NZGD2000 New Zealand Transverse Mercator projection, atmospheric correction, BRDF correction, cloud-clearing, date-prioritising and cloud-minimised mosaicking completed by Manaaki Whenua - Landcare Research.