



Pacific
Community
Communauté
du Pacifique



SDG
DATA
ALLIANCE

VANUATU STATUS GEOSPATIAL & SURVEYING

EXPERT CONSULTATION AND MEETING ON ENHANCING GEOSPATIAL INFORMATION MANAGEMENT ARRANGEMENTS AND ACCELERATING THE IMPLEMENTATION OF THE SUSTAINABLE DEVELOPMENT GOALS TOGETHER WITH THE SUB-REGIONAL WORKSHOP ON UNITED NATIONS INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK FOR THE PACIFIC ISLAND COUNTRIES AND TERRITORIES

AND

THE 2024 ANNUAL MEETING OF THE PACIFIC GEOSPATIAL AND SURVEYING COUNCIL

Pasifika Conference Room, Pacific Community (SPC), Lotus Building, Suva, Fiji

11th November 2024



VANUATU Current Status - Geospatial & Surveying



- Provide status of your agency with respect to geospatial & surveying; where are we really heading?
 - CURRENT PROCESS OF STRUCTURAL DEMERGING OF THE DEPARTMENT OF LANDS, SURVEY AND RECORDS INTO THREE SEPARATE DEPARTMENTS
 - AMMENDMENT OF THE “LAND SURVEYORS ACT” TO “SURVEYING AND GEOSPATIAL ACT”.
 - National Geodetic Surveys
 - National Cadastral Surveys
 - National Hydrographic Surveys
 - Surveyors Board
 - Surveyors Association
 - National GIS / Remote Sensing / aerial Surveys
 - National Geospatial Data Policy
 - GIS and RS User group meetings Coordinated and Chaired by the Surveyor Generals Office.
 - All Government agencies
 - Non Government Organization and Business house.
 - Guided by the National Geospatial Data Policy 2020 – 2030 in line with the Vanuatu National People Plan 2030 SA.



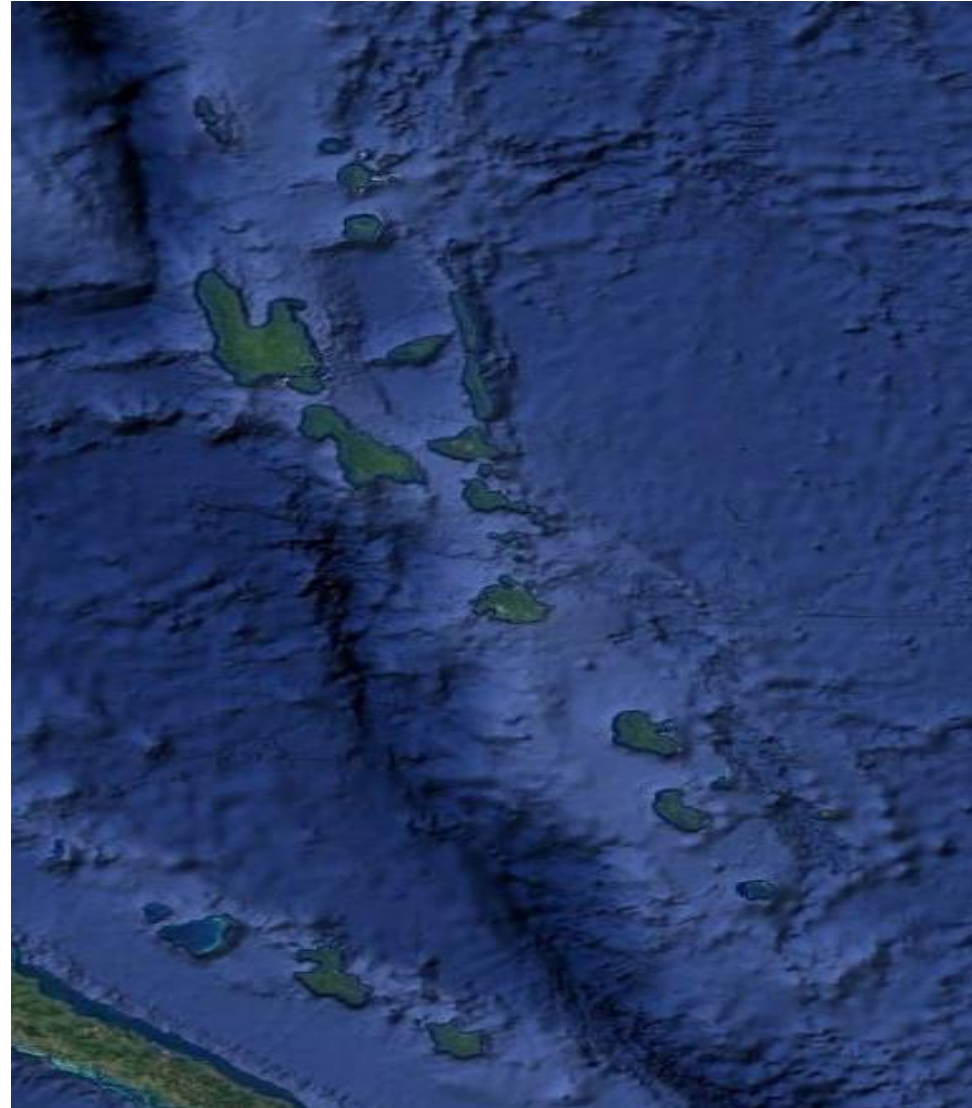
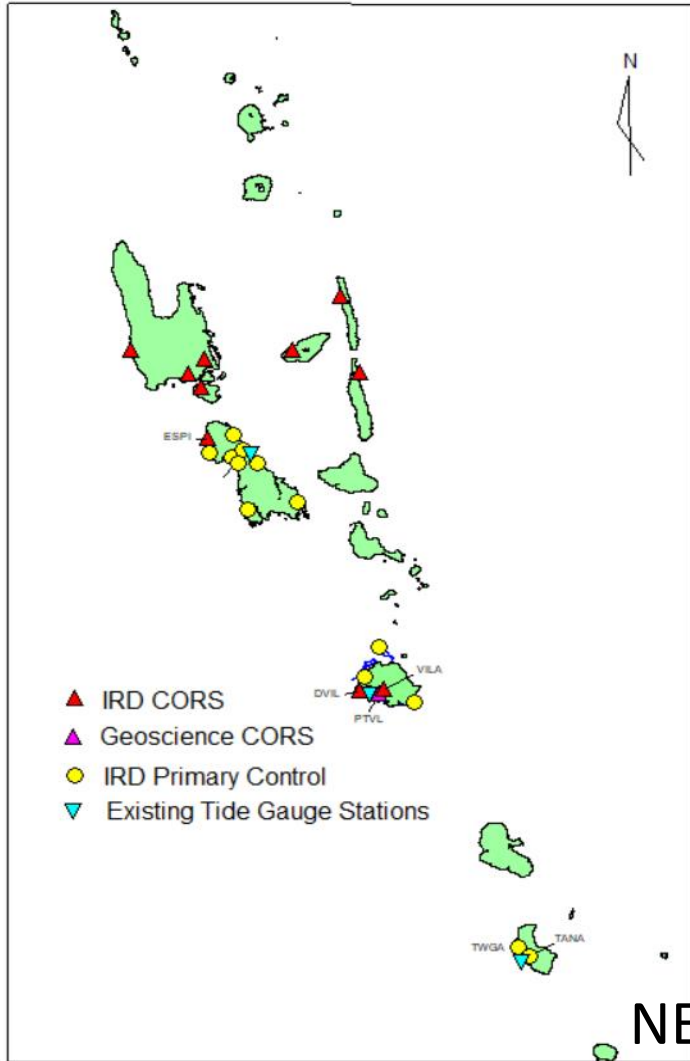
LATEST LIDAR DATA SURVEYS

- Lidar Data and Imagery Acquisition and Processing for Three Islands in Vanuatu.
 - The goal is to support sustainable planning in Vanuatu
- ONLY 3 ISLANDS SURVEYED - 2022
 - Malakula
 - Efate
 - Tanna
- PARTNERS
 - Woolpert Inc.
 - SPC – Suva, Fiji
 - MoLNR – Vanuatu
- Cost
 - One million seven hundred eighty-four thousand (\$1,784,779.60 USD);
- Further work required toward Geo-rectification in certain areas.





CURRENT STATUS ON IRD CORS STATIONS - 10



NEED GNSS RECEIVERS FOR GEODETIC NETWORK UPGRADE TO ITRF

GEOSCIENCE CORS - PTVL - (IN PORT VILA) 1





GEODETTIC UNIT CURRENT SURVEY EQUIPMENT

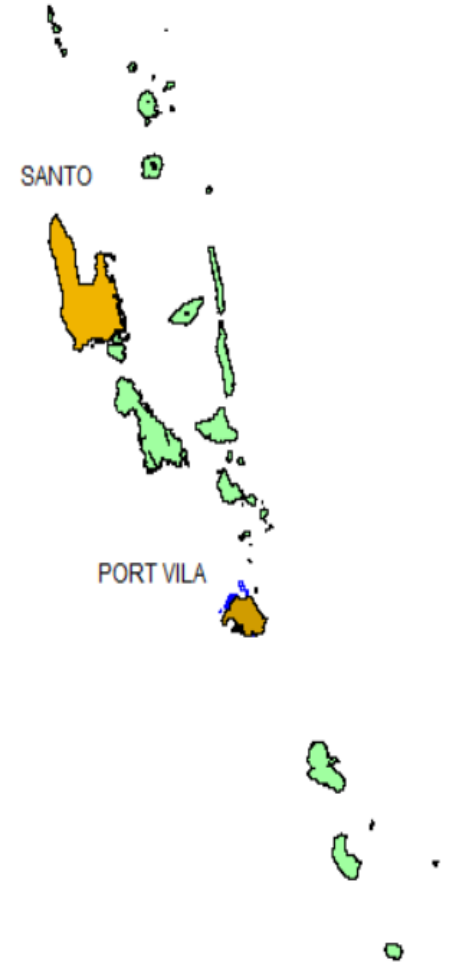


5 GNSS RECEIVER, 1 TOTAL STATION



ADDITIONAL SURVEY EQUIPMENT NEEDED

- CADASTRAL UNIT 3 RECIEVERS AND 1 TOTAL STATION
 - 2 SURVEYORS
 - Quality Control (QC) subdivision proposals lodged by Private Registered Surveyors.
- SANTO OFFICE 3 RECIEVERS AND 1 TOTAL STATION
 - 1 SURVEYOR
 - Quality Control (QC) subdivision proposals lodged by Private Registered Surveyors.
 - Control surveys
 - Engineering surveys





GEOSPATIAL DATA

IMPLIMENTATING THE NATIONAL GEOSPATIAL DATA POLICY (VNGDP)

Policy addresses 6 National Strategic Areas :

GEOSPATIAL DATA GOVERNANCE

GEOSPATIAL DATA STANDARDISATION

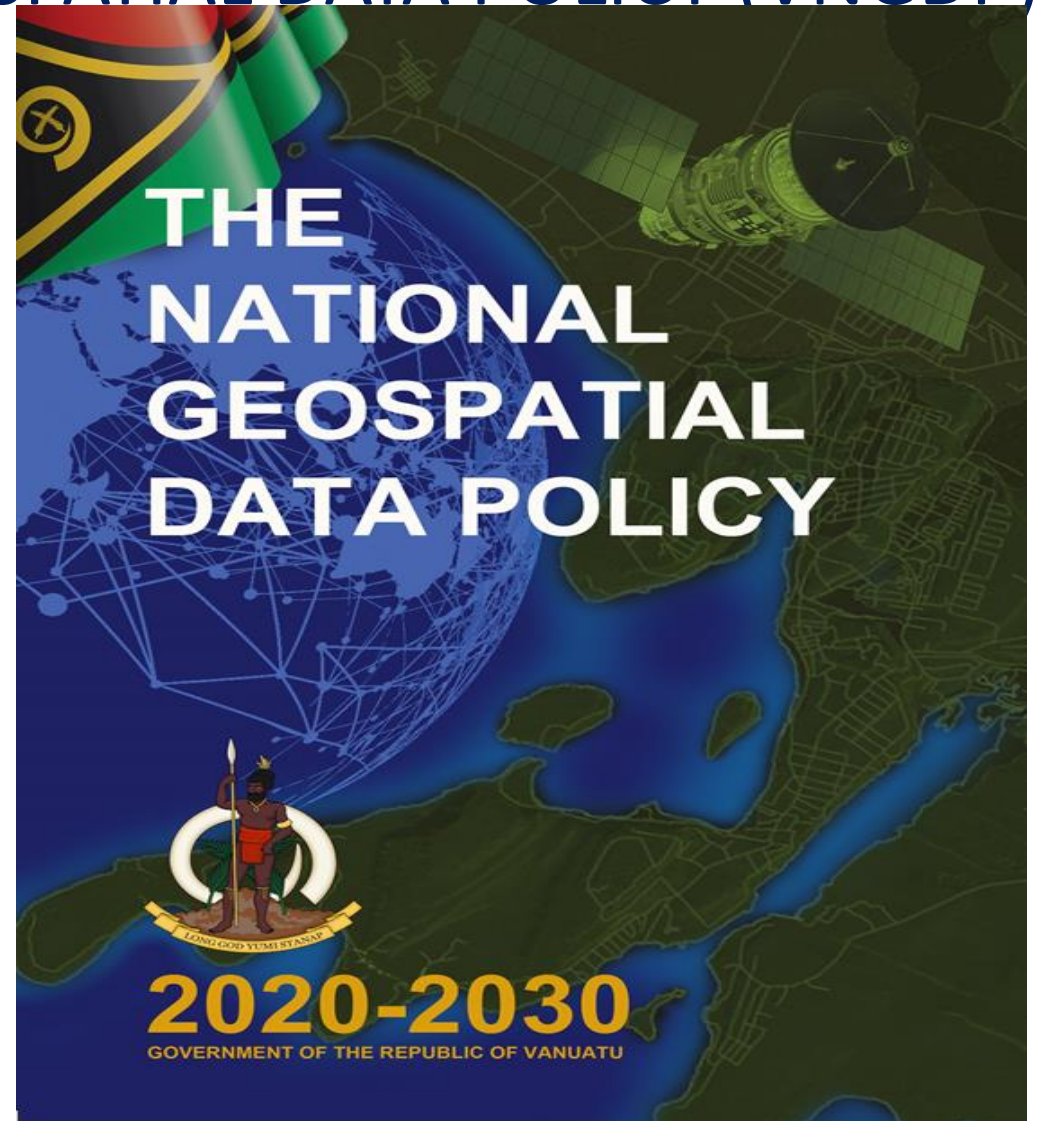
GEOSPATIAL DATA MANAGEMENT

GEOSPATIAL DATA SECURITY

GEOSPATIAL DATA SUPPORT

GEOSPATIAL DATA INFRASTRUCTURE

<https://mol.gov.vu>





PLACE NAMES (LOCATION REGISTRY PROJECT)



- Department of Civil Registry and Identity Management – Ministry of Internal Affairs
- Department of Lands, Surveys and Records - Ministry of Lands and Natural Resources
 - Primary and Secondary Villages
 - Verify and correct where necessary Village Names and Geographical Positions of PR and SC villages on all islands.
 - Endorsement of Village names by village council authority.
 - Data collection - Utilize Cobo toolbox and paper copy documentations.
 - Data Validation currently being undertaken in Port Vila within the Survey General office.
 - Final Product – National Place Names Gazetteer – hopefully endorsed through Parliament next year 2025
 - Major objectives :
 - To update place names for current and future national Topographic map Series
 - Improve deployment of disaster relief materials during periods of natural disasters.
 - Improve identity management in polling stations during provincial and national general elections.
 - others



Future - Geospatial & Surveying

- Where do you see your agency with respect to geospatial & surveying in the next five (5) to ten (10) years?
 - DEPARTMENT OF SURVEYING AND GEOSPATIAL RE-ESTABLISHED WITHIN THE MINISTRY
 - LAND SURVEYORS ACT AMMENDED TO “THE SURVEYING AND GEOSPATIAL ACT”
 - NATIONAL GEODETIC POLICY (VNGP) DRAFTED
 - ACHIEVE FUNDING FOR UPGRADING EXISTING PRIMARY CORS STATIONS
 - HOW CAN SPC OR PGSC SUPPORT THE UPGRADING NATIONAL GEODETIC UPGRADES
 - ESTABLISH THE SECRETARIAT TO THE VANUATU NATIONAL GEOSPATIAL DATA POLICY
 - ACHEIVE 80% OF THE NATIONAL GEOSPATIAL DATA POLICY – DEPENDING ON FUNDING.
 - HOW CAN SPC OR PGSC SUPPORT THE IMPLEMENTATIONS OF THE VNGDP.
 - WAY FORWARD IN LINKING THE VNGDP TO THE SIDS GLOBAL DATA HUB OR OTHERS,
 - How can SIDS or other global or Regional data hubs support in implementing our National Geospatial Data Policy?



Resources

- What are the necessary resources required to enhance your agencies/countries geospatial information management?

- **Necessary resources**

- AVAILABILITY OF ACADEMIC CURRICULUM AND SCHOLARSHIPS TOWARD BACHELOR IN SURVEYING IN THE REGION – HIGH DEMAND FOR MORE GRADUATE SURVEYORS IN THE REGION.
- GEOSPATIAL DATA STORAGE INFRASTRUCTURE
- GNSS RECEIVERS FOR GEODETIC NETWORK UPGRADING TO ITRF – SUPPORTS UPGRADING OF THE NATIONAL DIGITAL CADASTRAL DATABASE.
- FUNDING



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UN-GGIM
UNITED NATIONS
COMMITTEE OF EXPERTS ON
GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT



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THANK YOU

