

## Republic of Vanuatu

*Ripablik blong Vanuatu* (Bislama)  
*République de Vanuatu* (French)



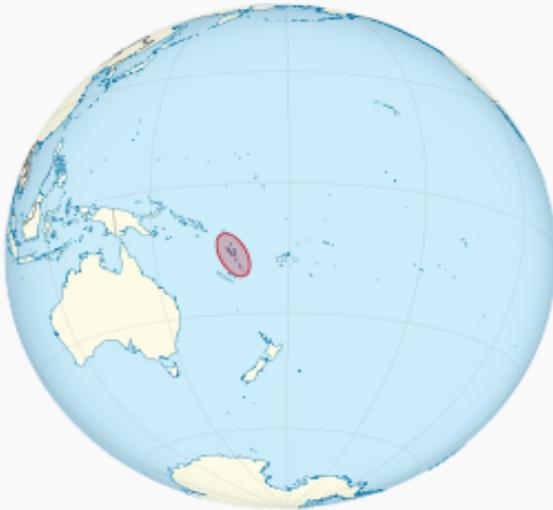
Flag



Coat of arms

**Motto:** "Long God yumi stanap" (Bislama)  
(In God we stand<sup>[1][2][3]</sup>)

**Anthem:** "Yumi, Yumi, Yumi" (Bislama)  
("We, We, We")



**Capital**  
(and largest city)

Port Vila  
 17°45'S 168°18'E

**Official language(s)**

Bislama  
English  
French

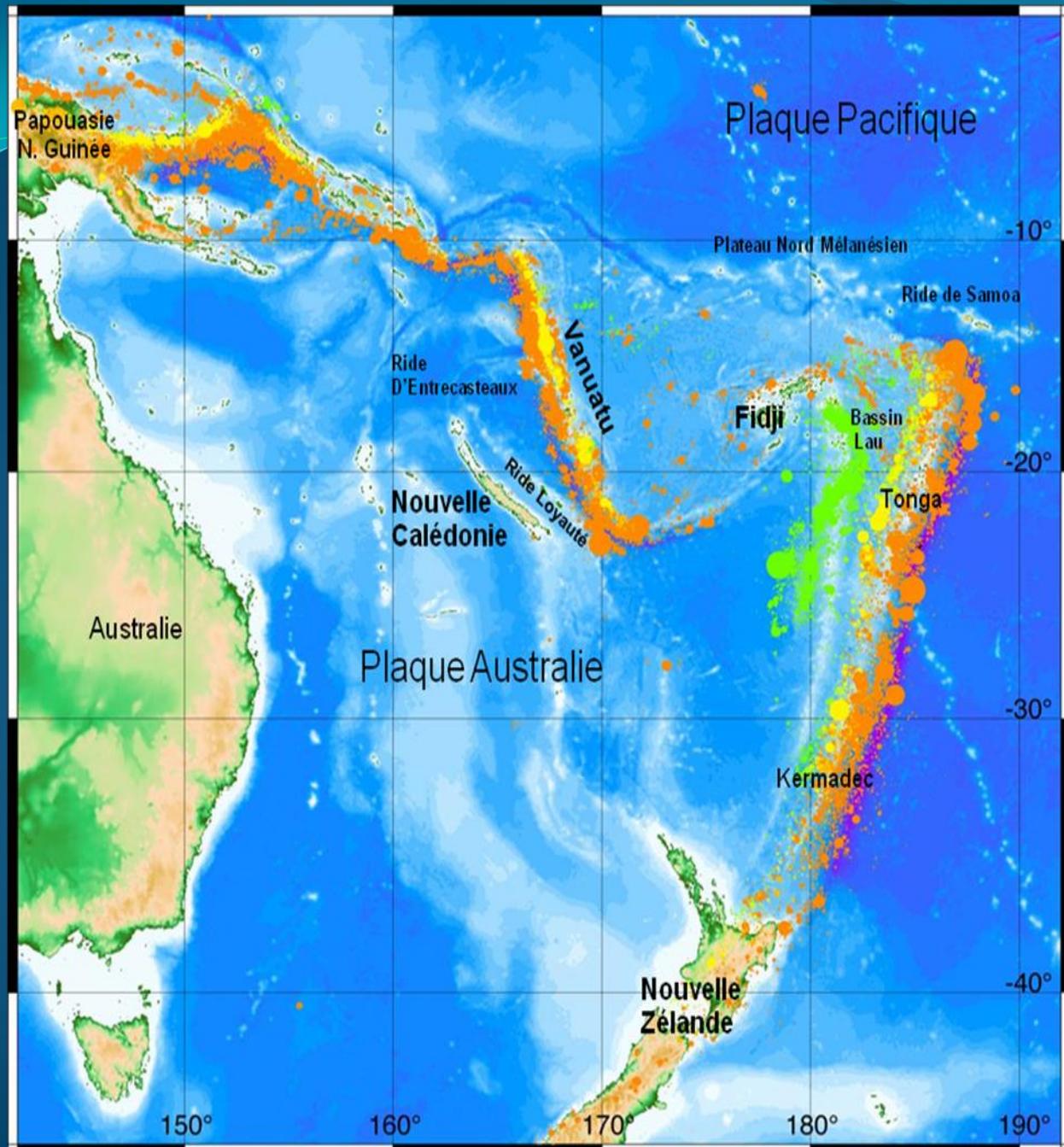
# Presenter :

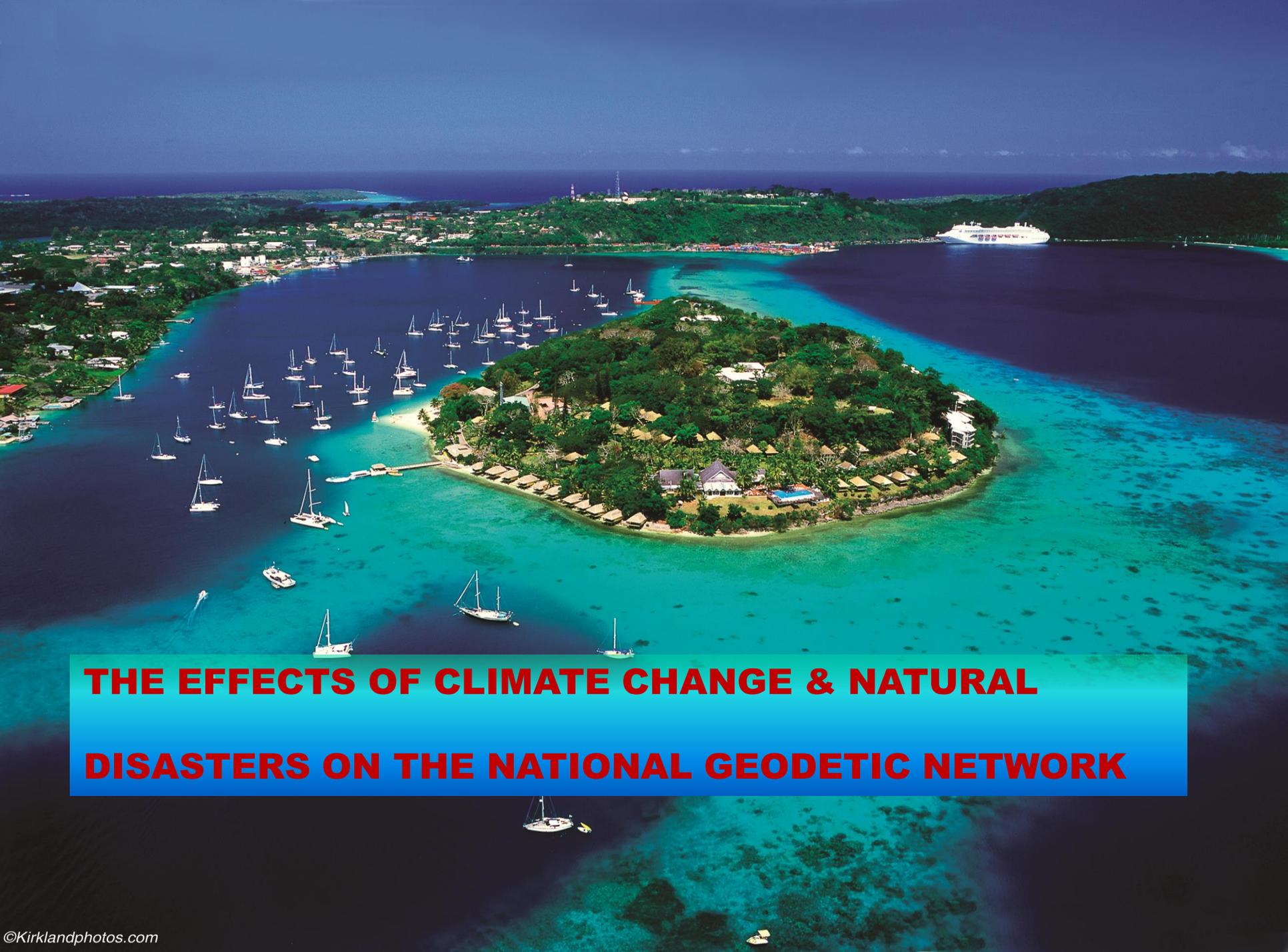
## Mr Martin Sokomanu Surveyor General

Lands and Surveys Division

Department of Lands, Surveys and Registry  
Ministry of Lands and Natural Resources

**Vanuatu**  
**DISCOVER WHAT MATTERS**





**THE EFFECTS OF CLIMATE CHANGE & NATURAL  
DISASTERS ON THE NATIONAL GEODETIC NETWORK**

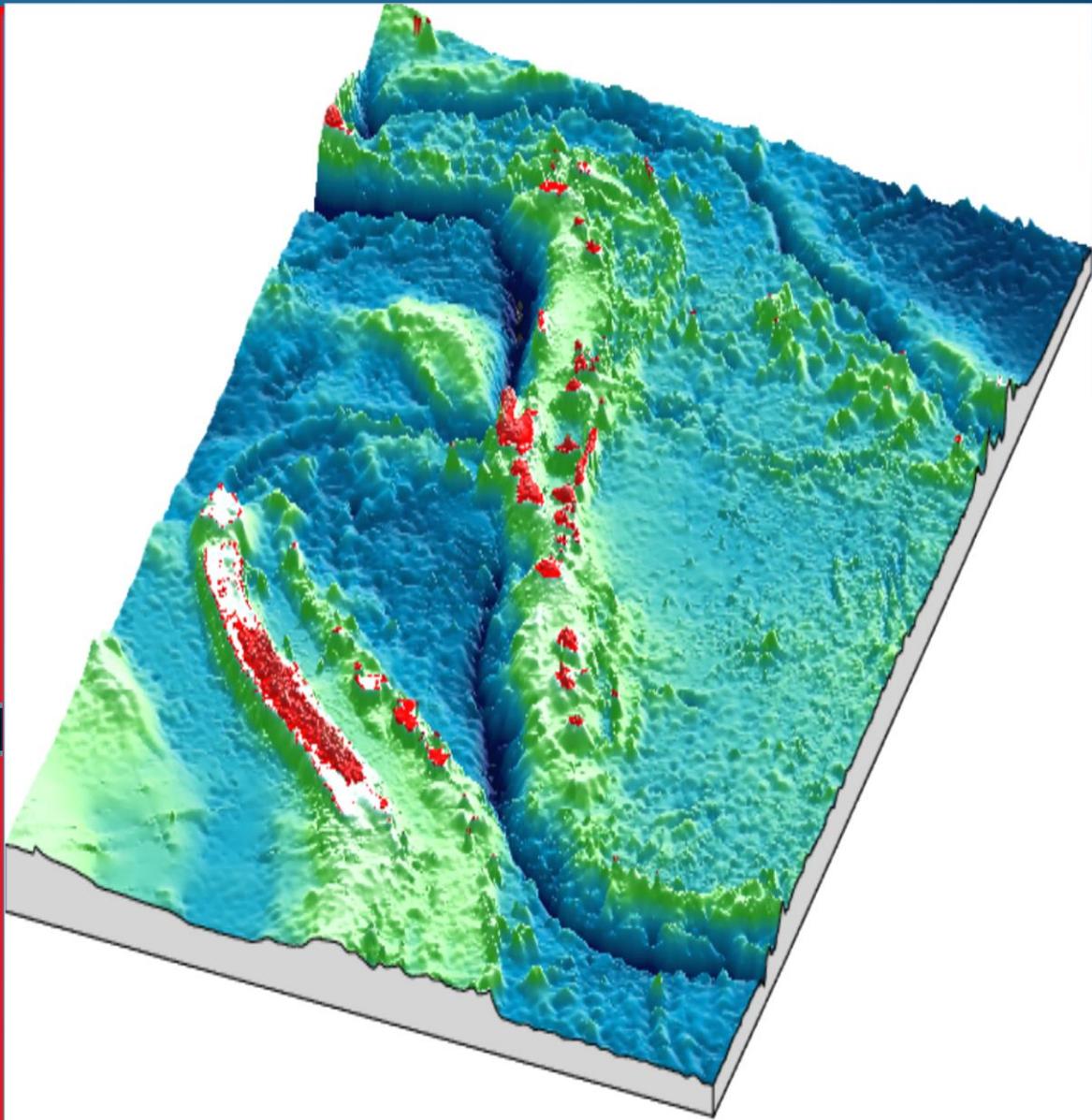
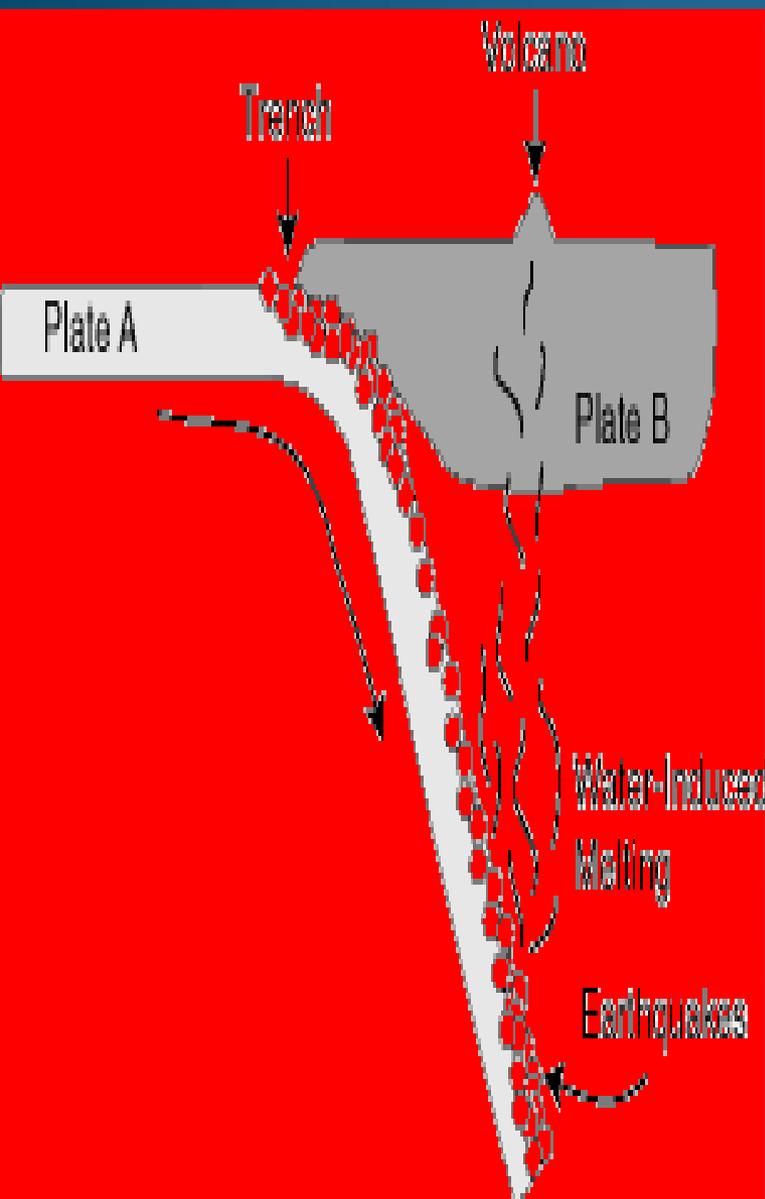
# GEODETIC CONTROL NETWORK



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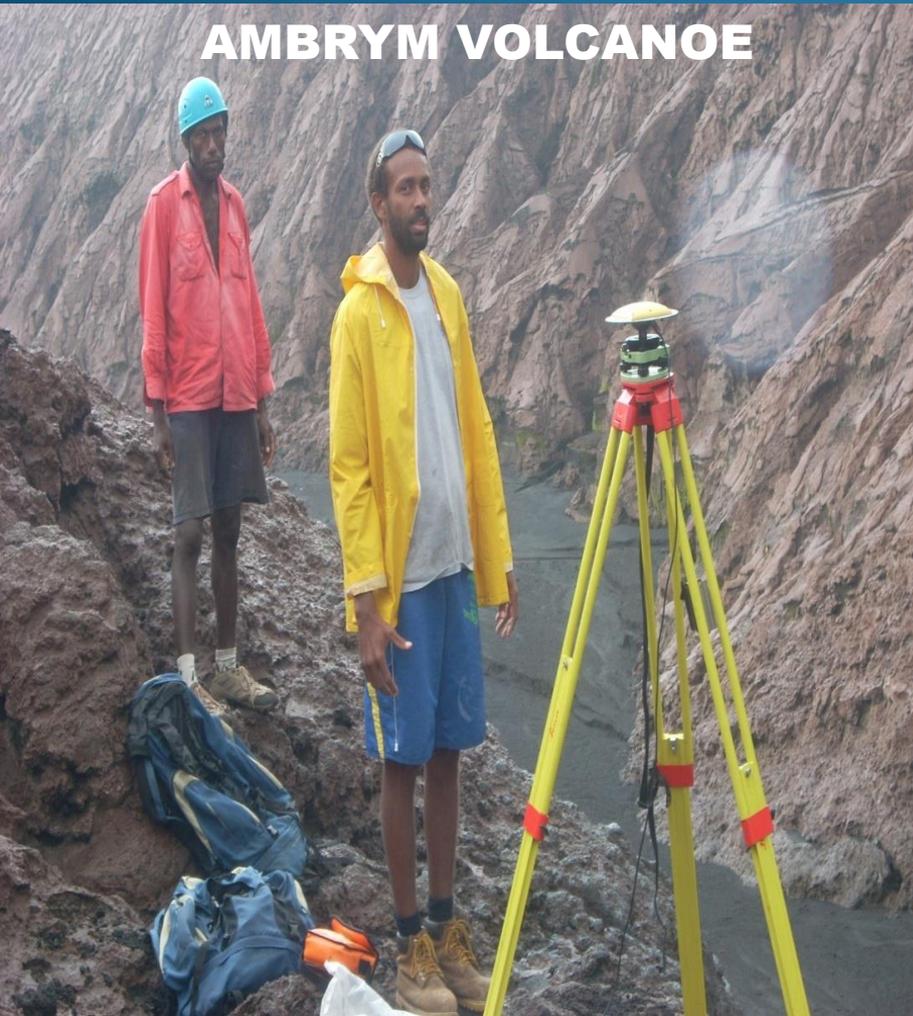


# GEOLOGY OF VANUATU

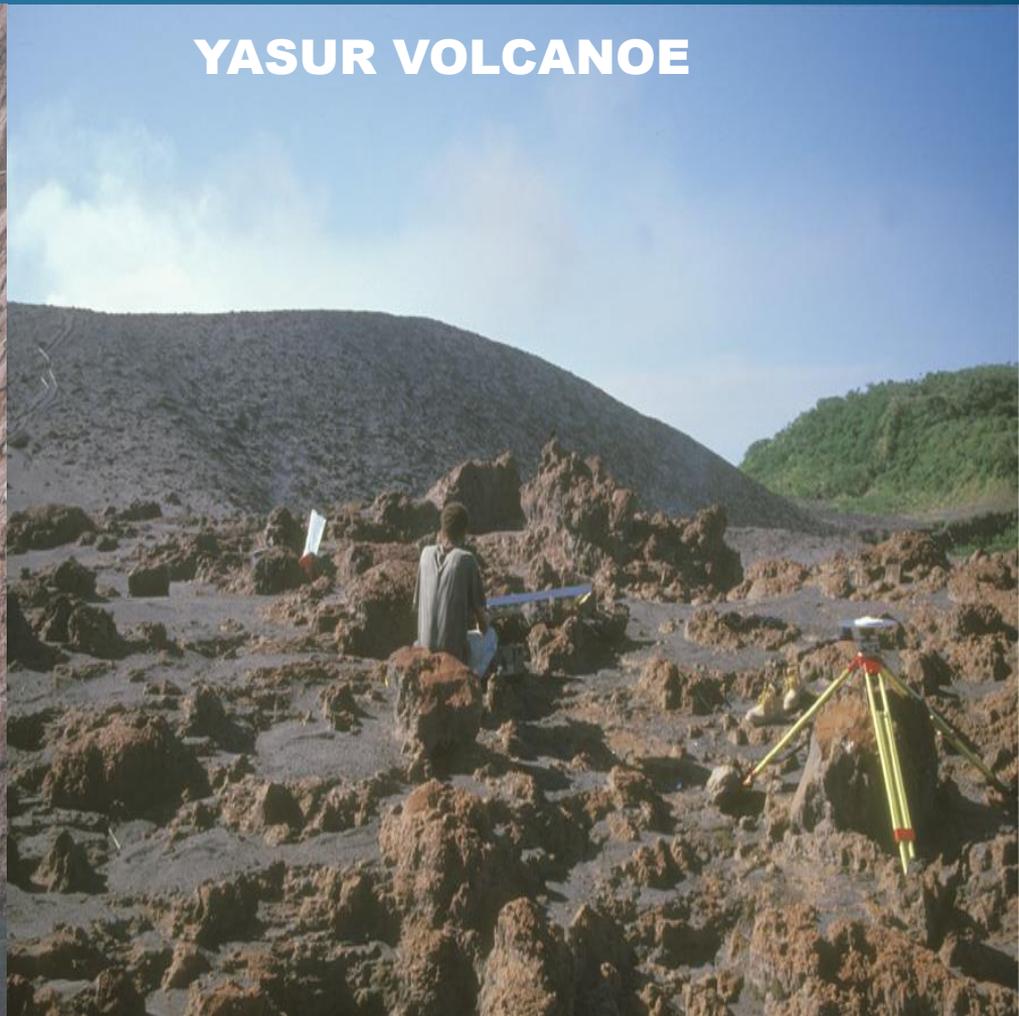


# CRUST MONITORING SURVEYS

**AMBRYM VOLCANOE**



**YASUR VOLCANOE**



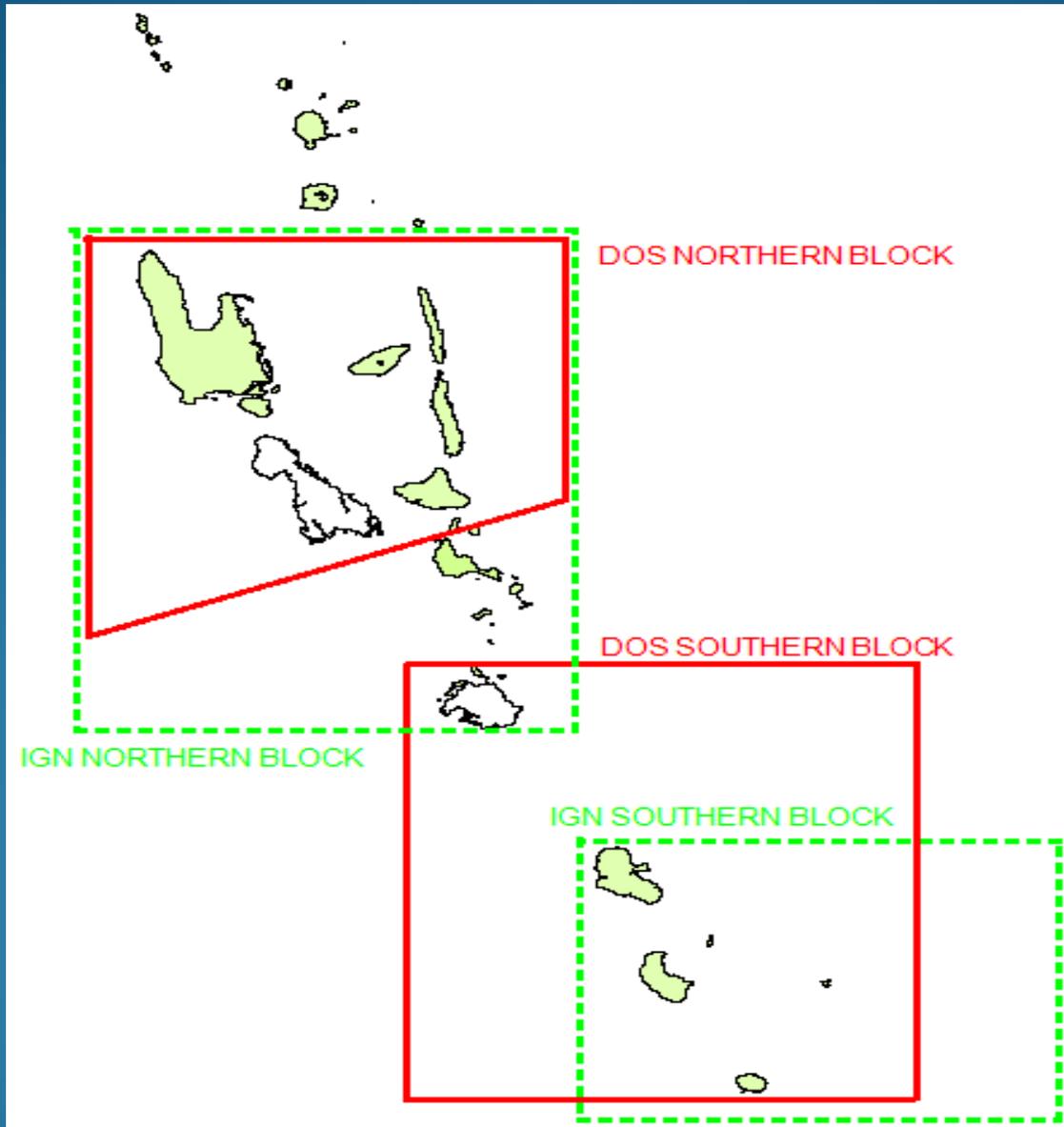




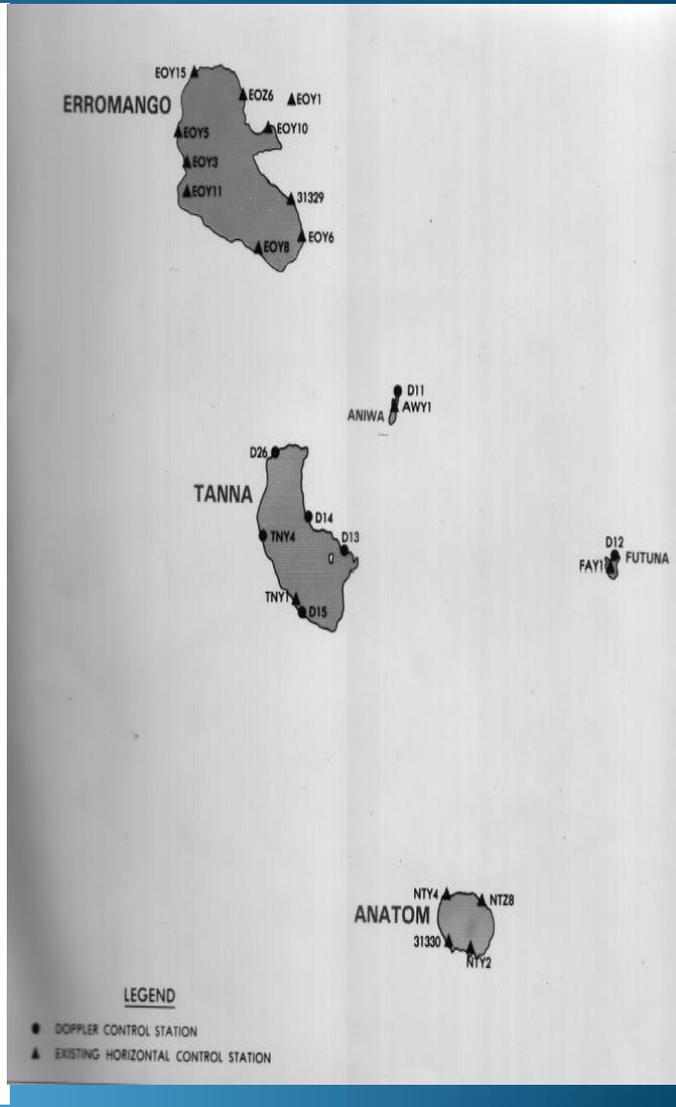
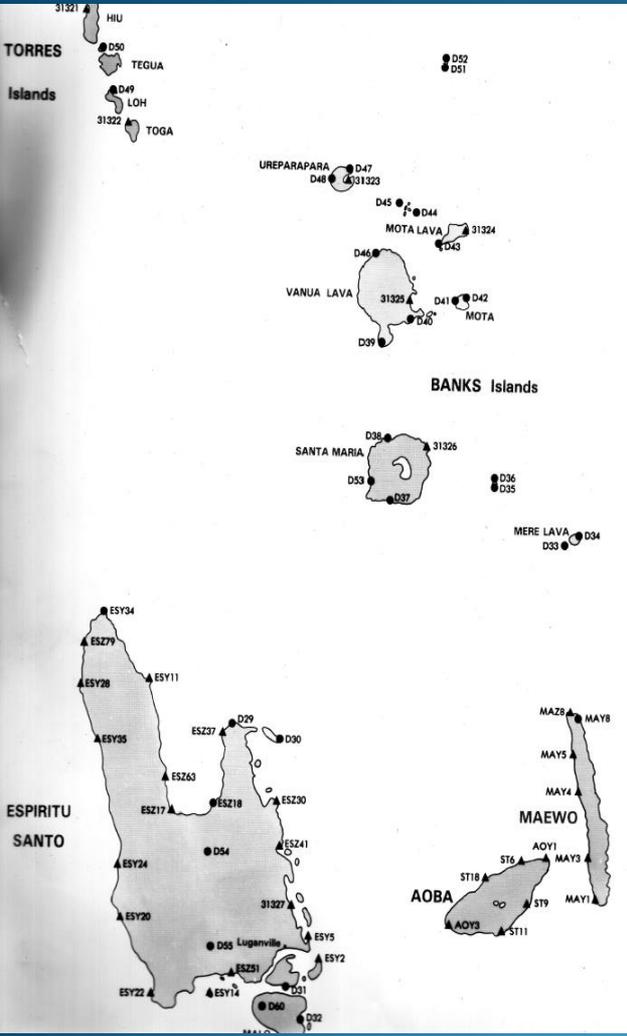
# GEODETTIC CONTROL NETWORK

- **Institutions: 1960s – 1980s**
- INSTITUTE GEOGRAPHIC NATIONAL (IGN)
- DIRECTORATE OF OVERSEAS SURVEYS (DOS)
- Royal Australian Survey Corps ( RASC )
- **Institutions: 1990s – 2013**
- Institute de recherché pour le developpement (IRD)
- Geoscience Australia

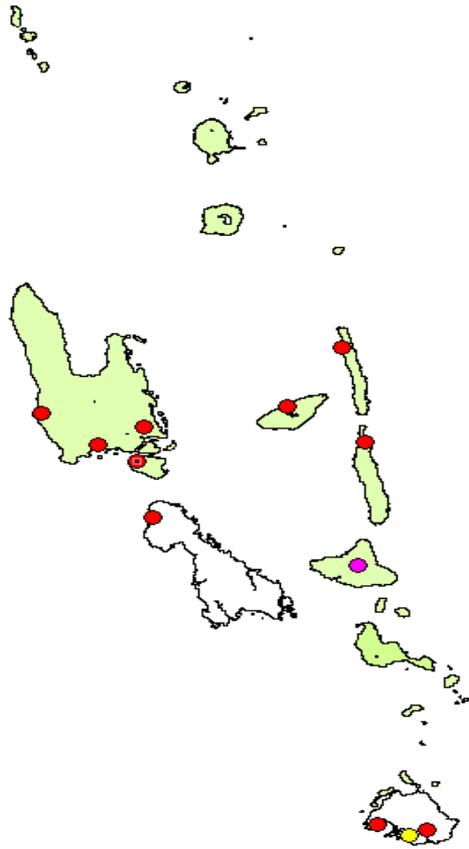
# TWO DATUMS ON INTERNATIONAL SPHEROID



# Operation ALGUM- Doppler Points



# IRD CGPS BASE STATIONS



- IRD CGPS Stations
- IRD Semi Permanent GPS Station
- Geoscience CORS Station



- 1995 – Tide Gauge established by the National Tidal Facility of Flinders University in Australia, CORS Station by Geoscience Australia.



**WORKING TOWARDS  
A  
SINGLE UNIFIED DATUM**

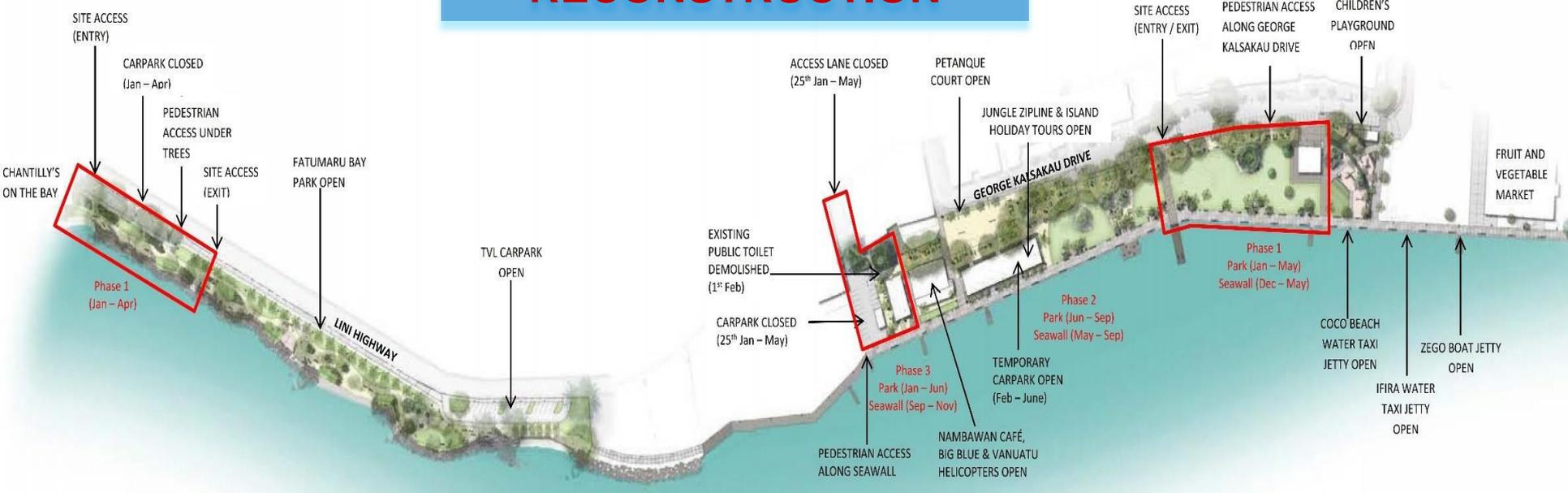
**( VMIG2012 )**

# PORT VILA SEAWALL RECONSTRUCTION





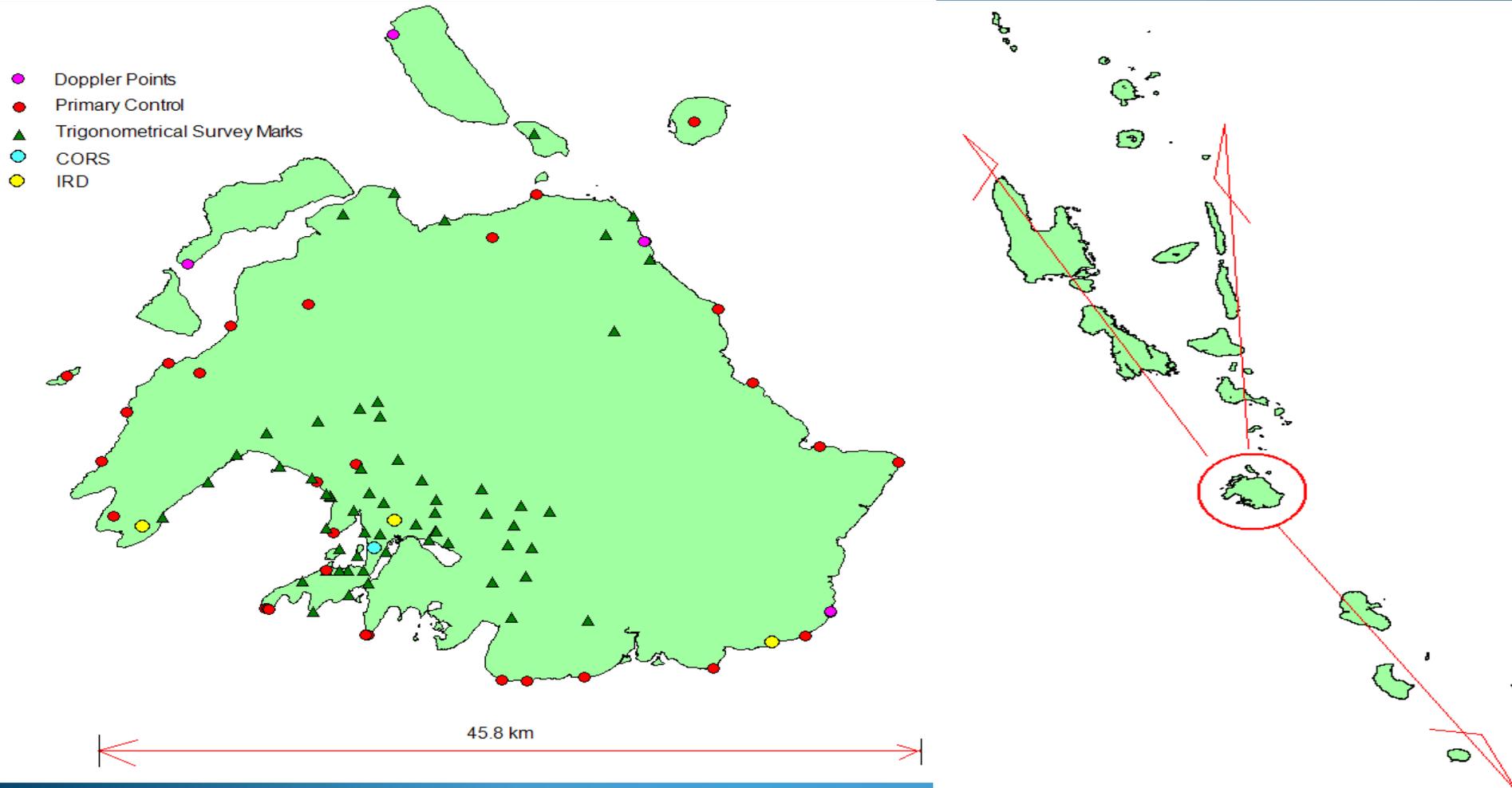
# PORT VILA SEAWALL RECONSTRUCTION



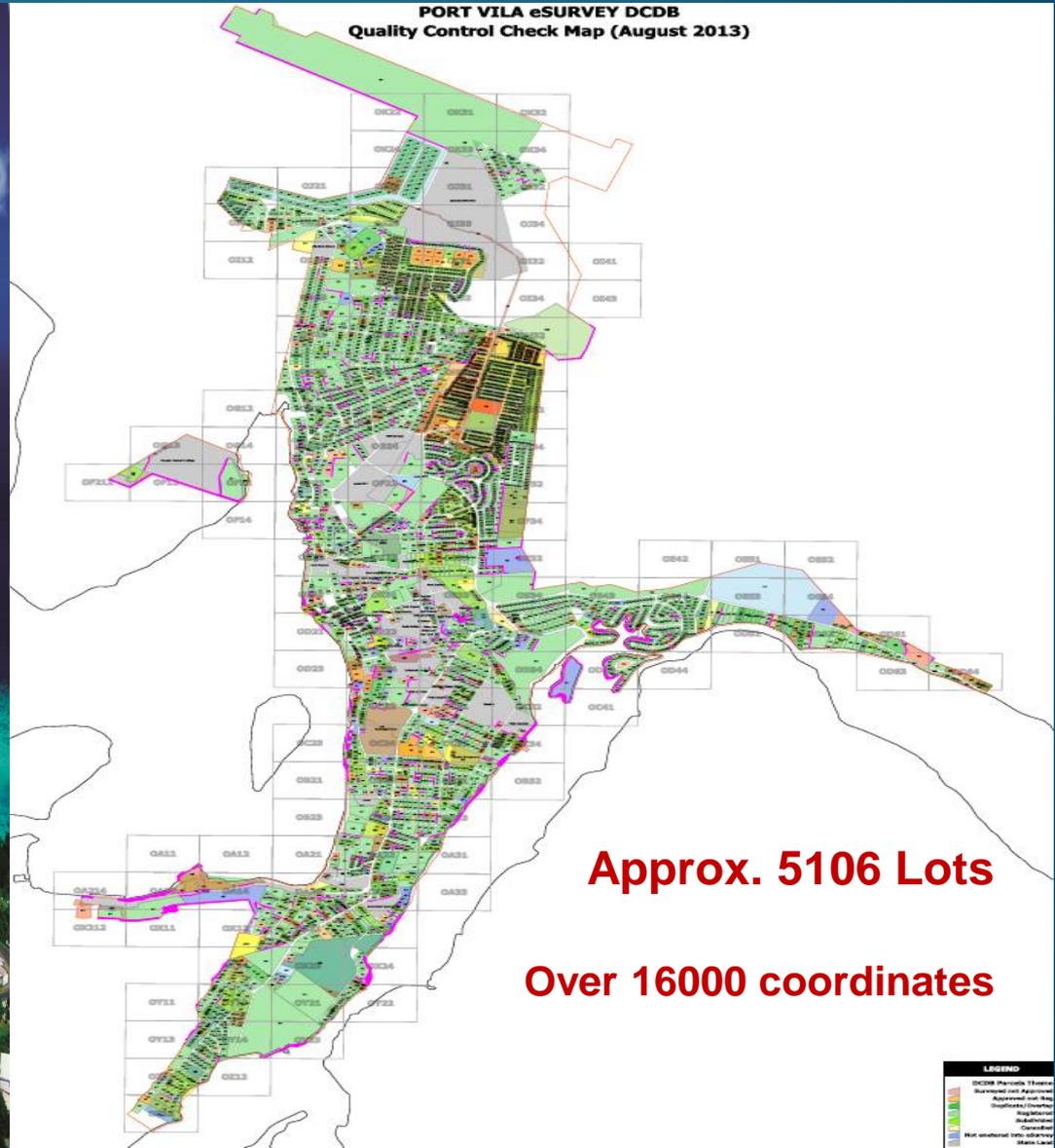
# Geoscience & IRD CORS



# Begin Planning requirements for a Single Datum for Vanuatu



# PORT VILA



MERCI BEACOUUP



**Vanuatu**  
**DISCOVER WHAT MATTERS**