

Google Street View



# Tonga Global Reach Initiative



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**GRID TONGA: SUPPORTING DISASTER & MULTI-  
HAZARD RISK MANAGEMENT WITH STREET VIEW**



Google earth

## Satellite View (top-down view)



Google™ earth



# Google Maps (2D bottom-up view)



Secure | <https://www.google.com/maps/@-21.1840088,-175.1929965,12z> ☆

Gmail New Tab

Tongatapu

Tongatapu

tofoa near Tongatapu

Tongatapu Group

The map displays the island of Tongatapu in a 2D bottom-up perspective. Key locations labeled include Nuku'alofa, Nukunukumotu Island, Nukuleka, Hoi, Mua, Alaki, Holonga, Malapo, Pelehake, Fatumu, Laulea Beach, 'Oholei Beach, Nakolo, Fua'amotu International Airport (with a timestamp of 26 Apr 9:55am), Fua'amtu Beach, 'Ahononou Beach, Hufangalupe Beach, Halafuoleva Beach, Veitongo, Ha'ateiho, Pea, Liahona, Houma, and Niutoua. Roads such as Hihifo Rd, Taula ahaau Rd, Loto Rd, and Liku Rd are shown. The map is surrounded by a blue ocean. In the bottom right corner, there are map controls including a compass, zoom in (+) and zoom out (-) buttons, a street view pegman, and a scale bar indicating 2 km. The footer contains the text 'Map data ©2018 Google Tonga Terms Send feedback'.

Map data ©2018 Google Tonga Terms Send feedback 2 km



# Google Street View (3D - eye view)



What we provide

Google Street View





**Using the latest technologies from  
Google Street View,  
we will capture  
high-resolution imagery,  
accurate 3D depth information,  
and GPS and GIS location data  
that can be displayed  
in Google Maps & Google Earth.**

## **GRID Services for Pacific include**

- **Whole of Country Mapping**
- **Google Street View**
- **360 Degree Video**
- **Drone Capture**
- **Education & Tourism Apps**
- **Virtual Reality Experiences**
- **Links to Google Maps / Earth**



**Every Nation...Island...Village...Family...Every Person Matters**



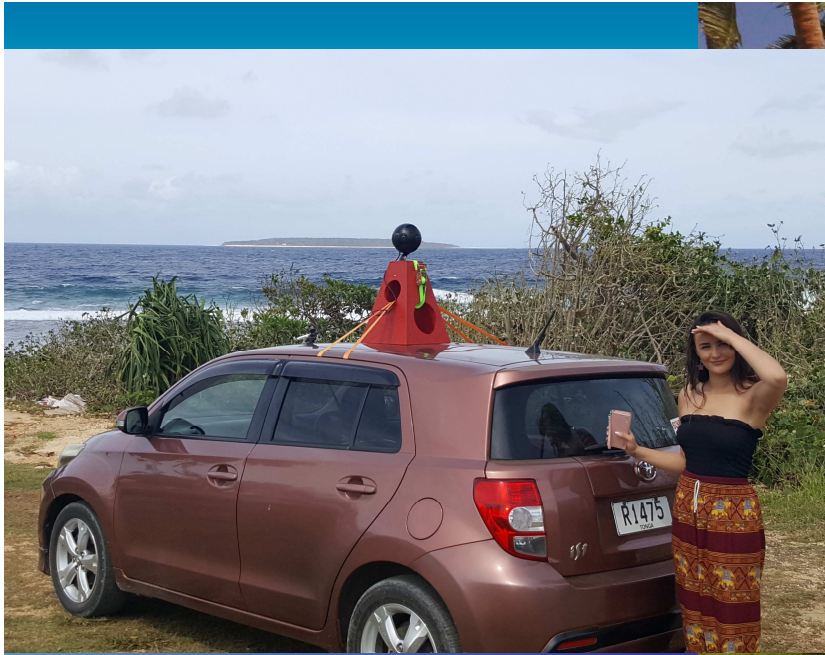


# Global Reach Initiative

## Hakamana design – spanning five Phases

1. Vision / Scope / Design / Plan
2. Engagement / Partnership
3. Activation / Data Capture
4. Data Processing / Publishing
5. In-country Capability and Capacity Building







# **Global Reach Initiative (GRID Pacific)**

## **Contributes to Great Results including:**

- **Complete maps accessible in Google Earth**
- **3D street imagery available in Street View**
- **Globally recognised street addresses**
- **Accurate GPS and GIS geospatial data**
- **Excellent navigation capability**
- **Mapping facilities (e.g. hospitals, schools)**
- **Infrastructure development & maintenance**



# **Global Reach Initiative (GRID Pacific)**

## **Contributes to Great Results including:**

- **Better connections with family overseas**
- **Improved business marketing and sales**
- **Creation of immersive learning experiences**
- **Increased real and virtual tourism**
- **Improved disaster planning and response**
- **Display with Google Earth and Services**

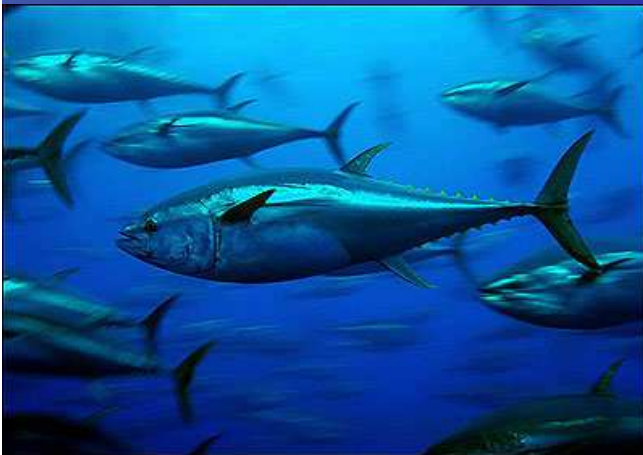
# Helps with Environmental Planning



**3D Mapping supports  
disaster preparation  
& response**

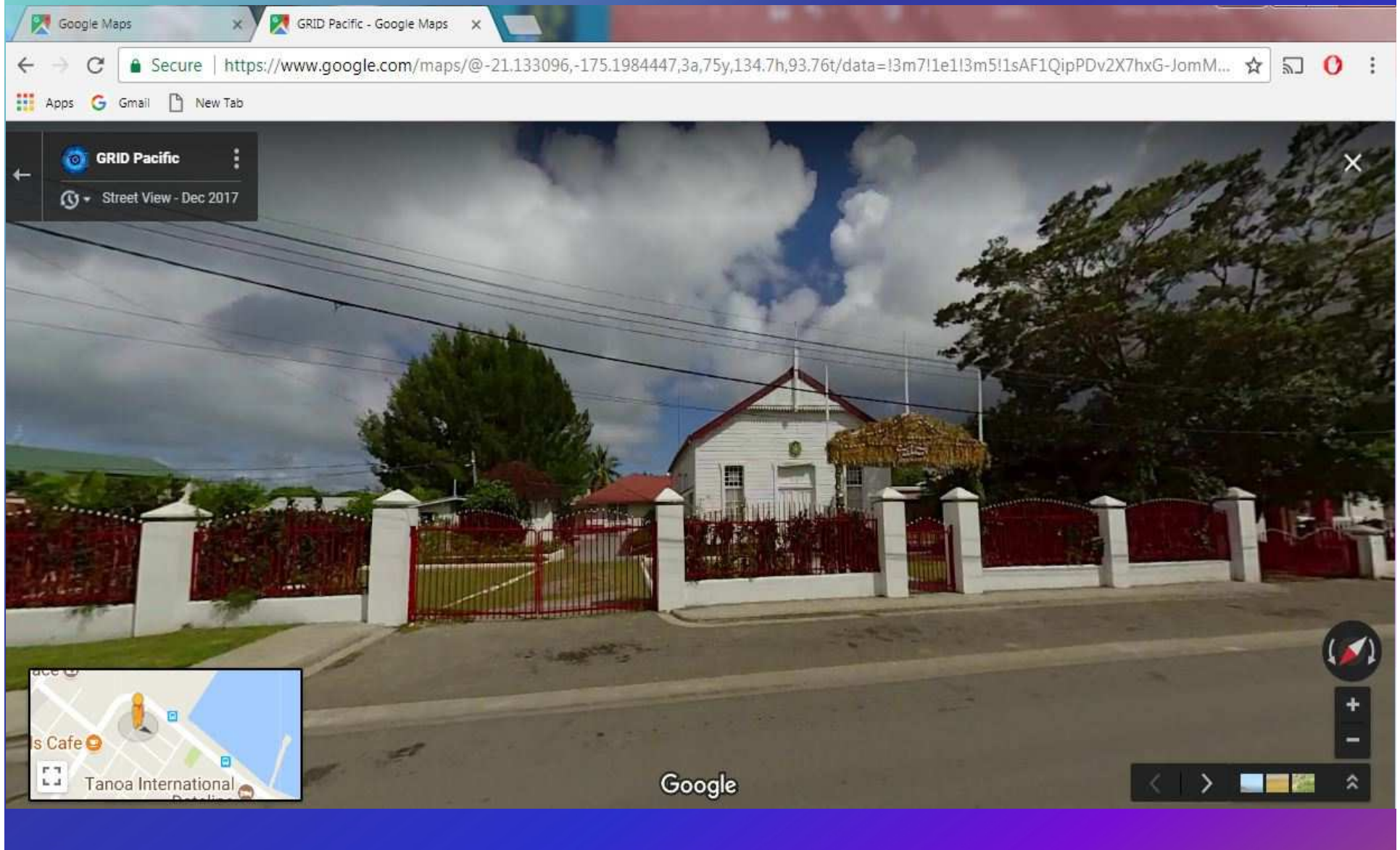


**Sustainable Design**

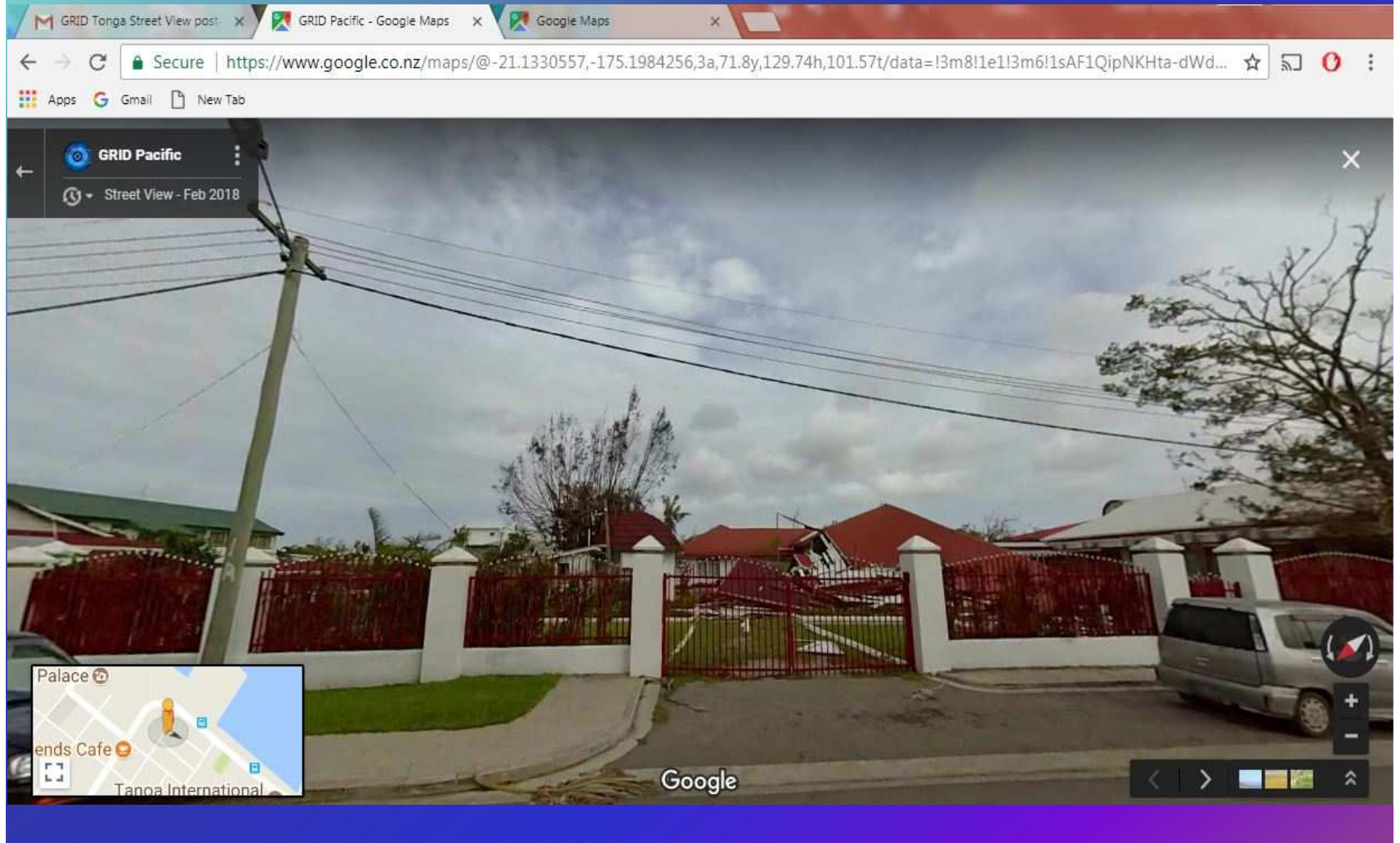




# Old Parliament Building – Dec 2017



# Old Parliament Building – Feb 2018





# Domestic Airport – Dec 2017



# Domestic Airport – Feb 2018





# 3D Mapping Infrastructure

Power (lines)

Water (towers)

Comms (cell sites)

Roads & Streets

Ports & Wharves

Airports

Facilities (e.g. health)













# Supporting Economic Resilience

## Cultural Content Opportunities



Sharing our stories  
of Tonga with the  
World



Go diving at a beautiful reef in Tonga - reach out and touch it!



# Weathering Environmental Disasters

## Cultural Tourism Opportunities



### ENJOY TONGA IN THE REAL WORLD

Boost Tonga Tourism and enhance high-value tourism experiences

*"be there before you get there"*

### ENJOY TONGA IN THE VIRTUAL WORLD

Create incredible virtual immersive experiences for the global marketplace

*"the ultimate in sustainable tourism"*

TELEPORT TO NEW WORLDS – SWIM WITH THE WHALES

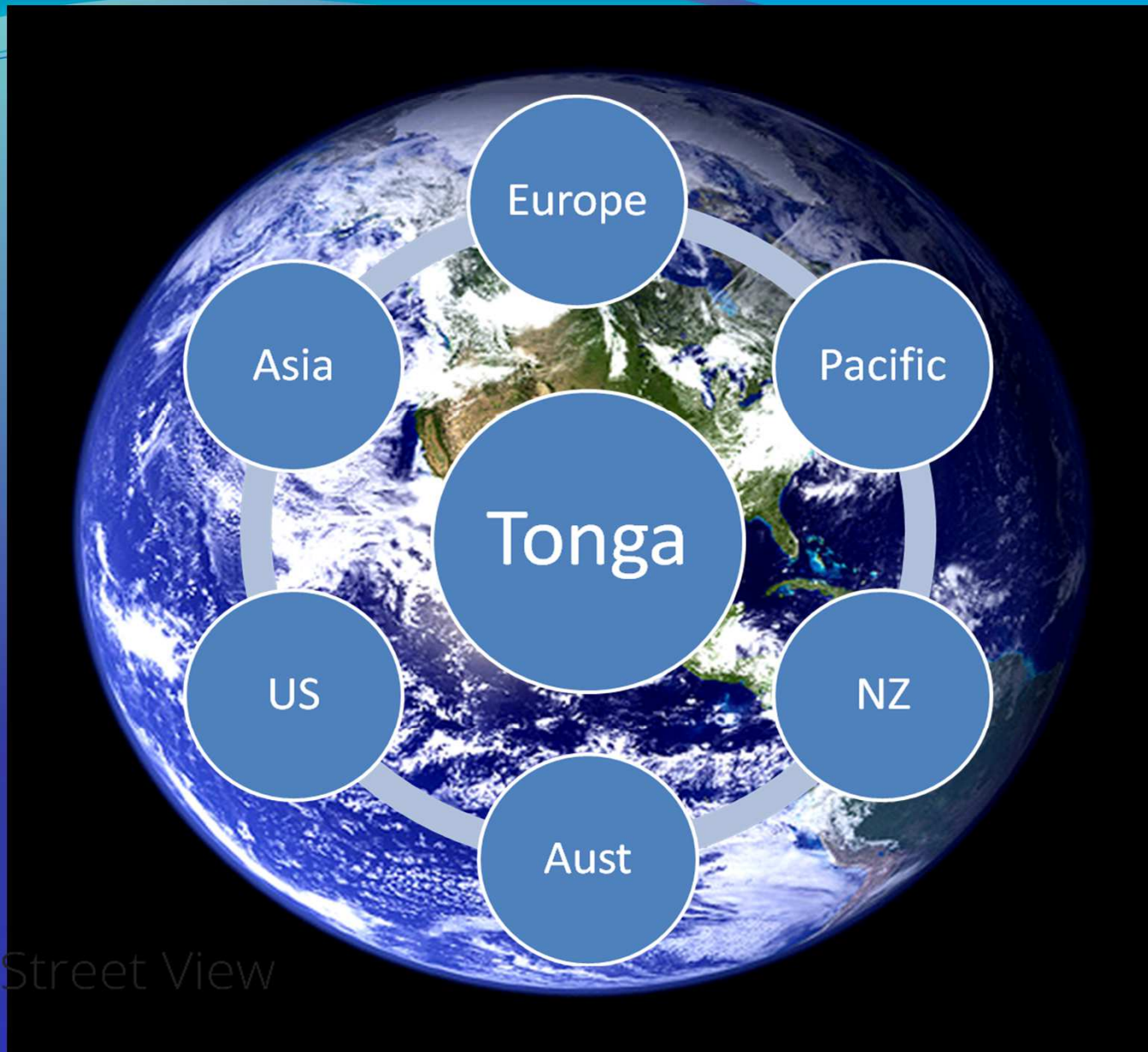




**Sharing unique experiences on global platforms**







Google Street View

# Sharing Tonga with the World



**2020 GOAL**

**Street View  
All Pacific Nations  
by 2020**



Google Street View



**GRID Pacific**



# **Island Nations – Global Reach**

**MALO 'AUPITO**

Thanks to  
Statistics Tonga  
Tonga Post  
Google Team  
People of Tonga

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