RIMS
Roading Infrastructure Management Support

in association
IDS
Infrastructure
Decision Support

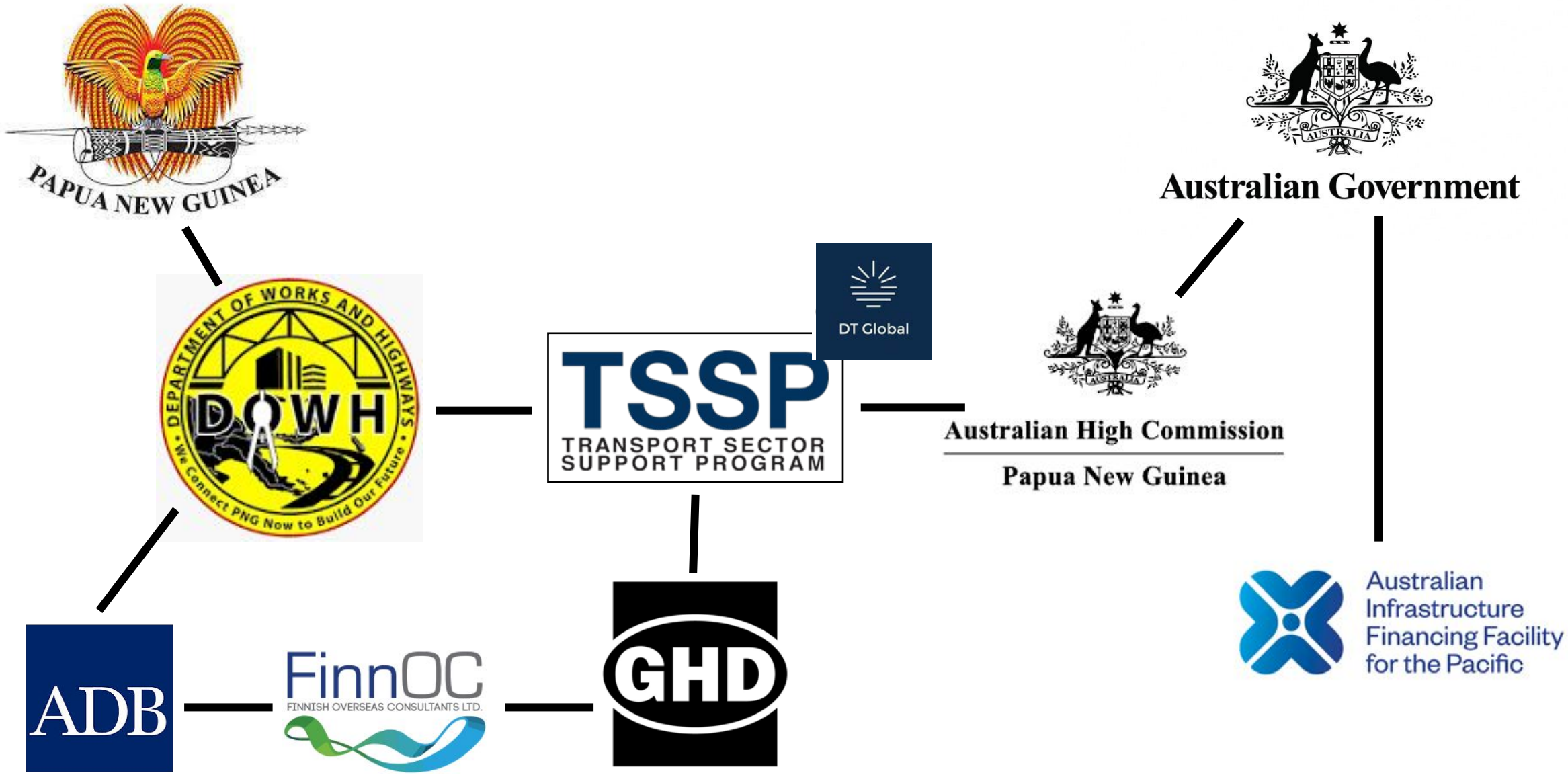
Implementing RAMM for Papua New Guinea

Simon Gough

The Project

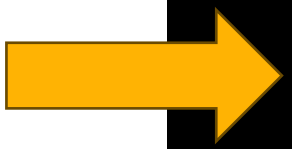
→ PNG DoWH Road Management System

The Stakeholders



The Start:

What data do we need to collect?



The Case for Change

Base Needs

- Cloud Based
- Field App
- ‘One System’
- Map Centric

X

Current State

Excel

hims
ASSET MANAGEMENT SYSTEM

PBMS DevQ

What data do we need to collect?

The End

- New asset management system
- New bridge management system
- New equipment
- New processes
- New support

Good Road – Port Moresby

Not So Good Road – Kaut Road

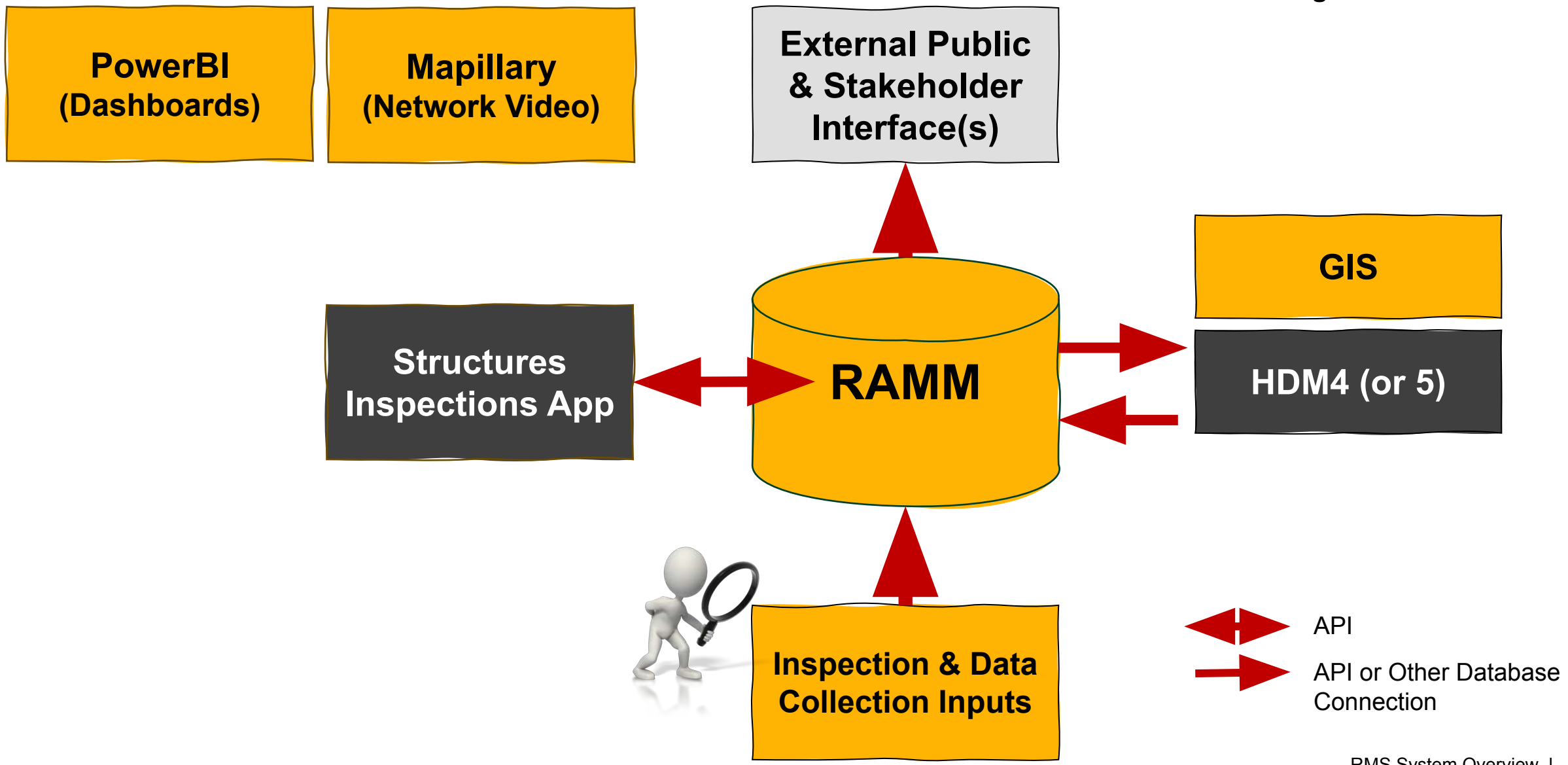
Local Infrastructure

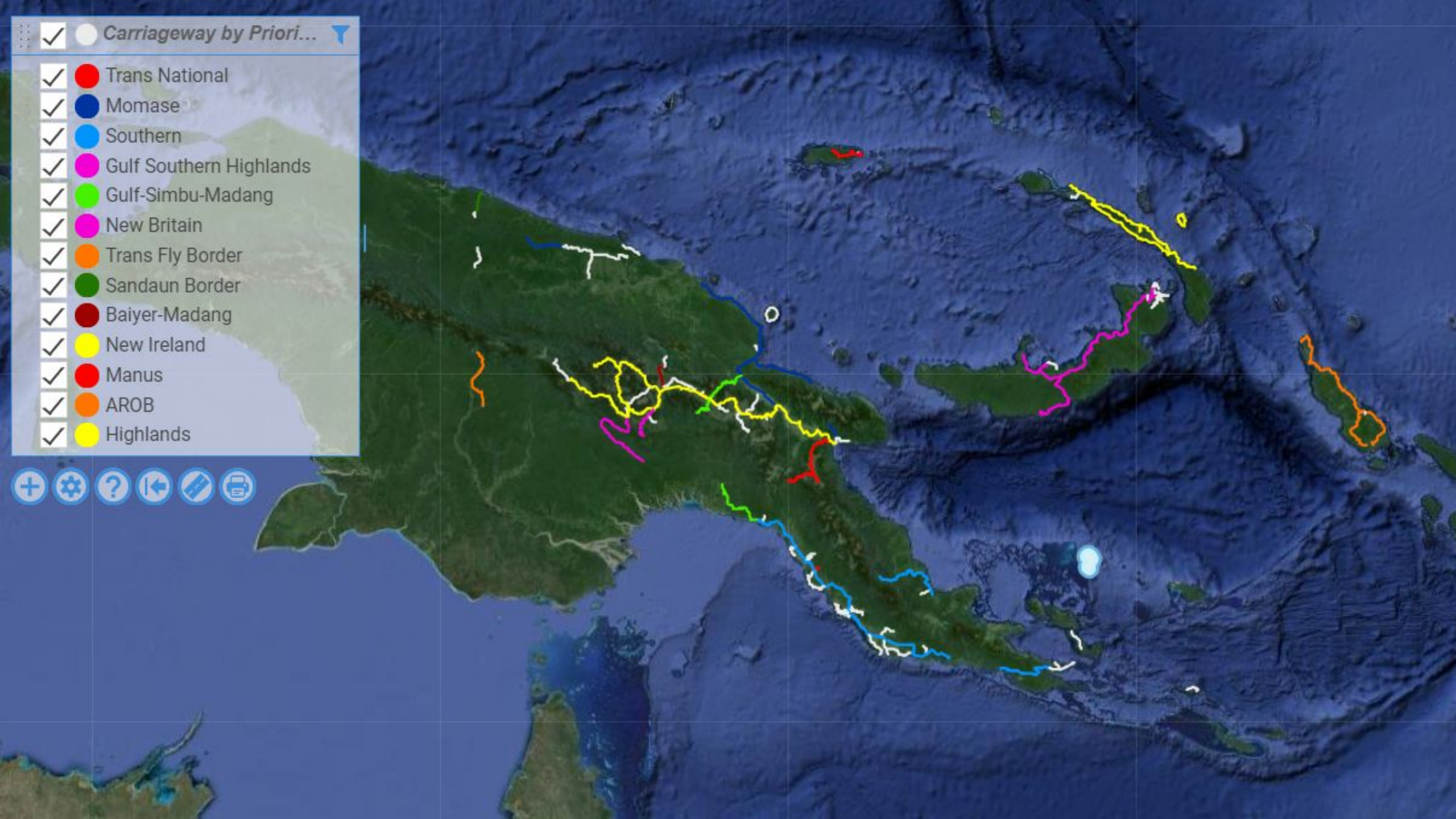
Systems Progress

→ PNG DoWH Road Management System

Road Management System - Basic Architecture

"Single Source of the Truth"




Carriageway by Priori...
Trans National
Momase
Southern
Gulf Southern Highlands
Gulf-Simbu-Madang
New Britain
Trans Fly Border
Sandaun Border
Baiyer-Madang
New Ireland
Manus
AROB
Highlands

Network Progress

Road Length

7,429.59km

Updated: 3 mins ago

Priority Corridor Road Length

5,638.24km

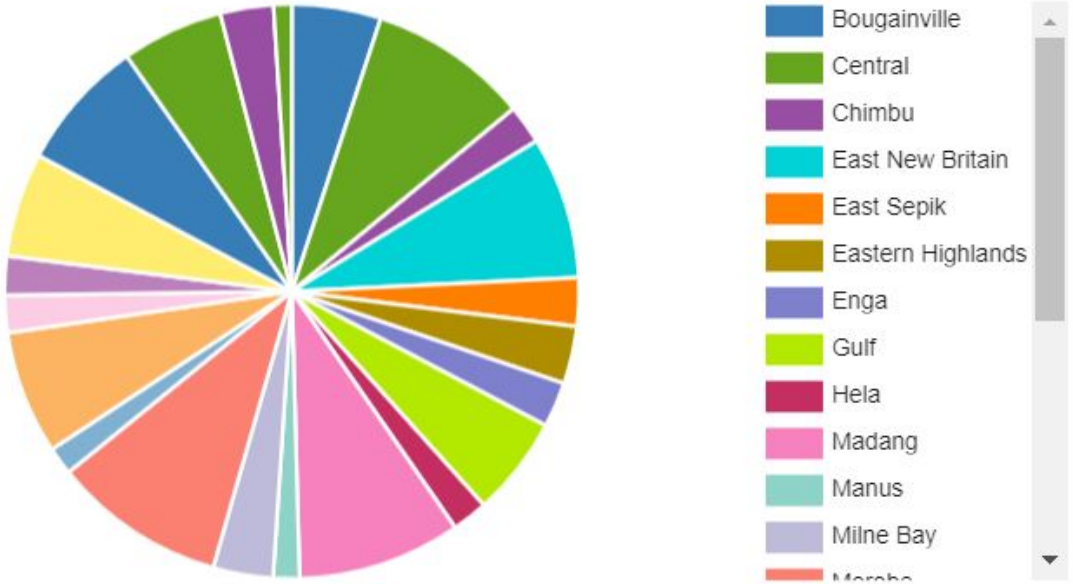
Updated: 3 mins ago

Road Length (Proposed)

1,885.78km

Updated: 3 mins ago

Road by Province



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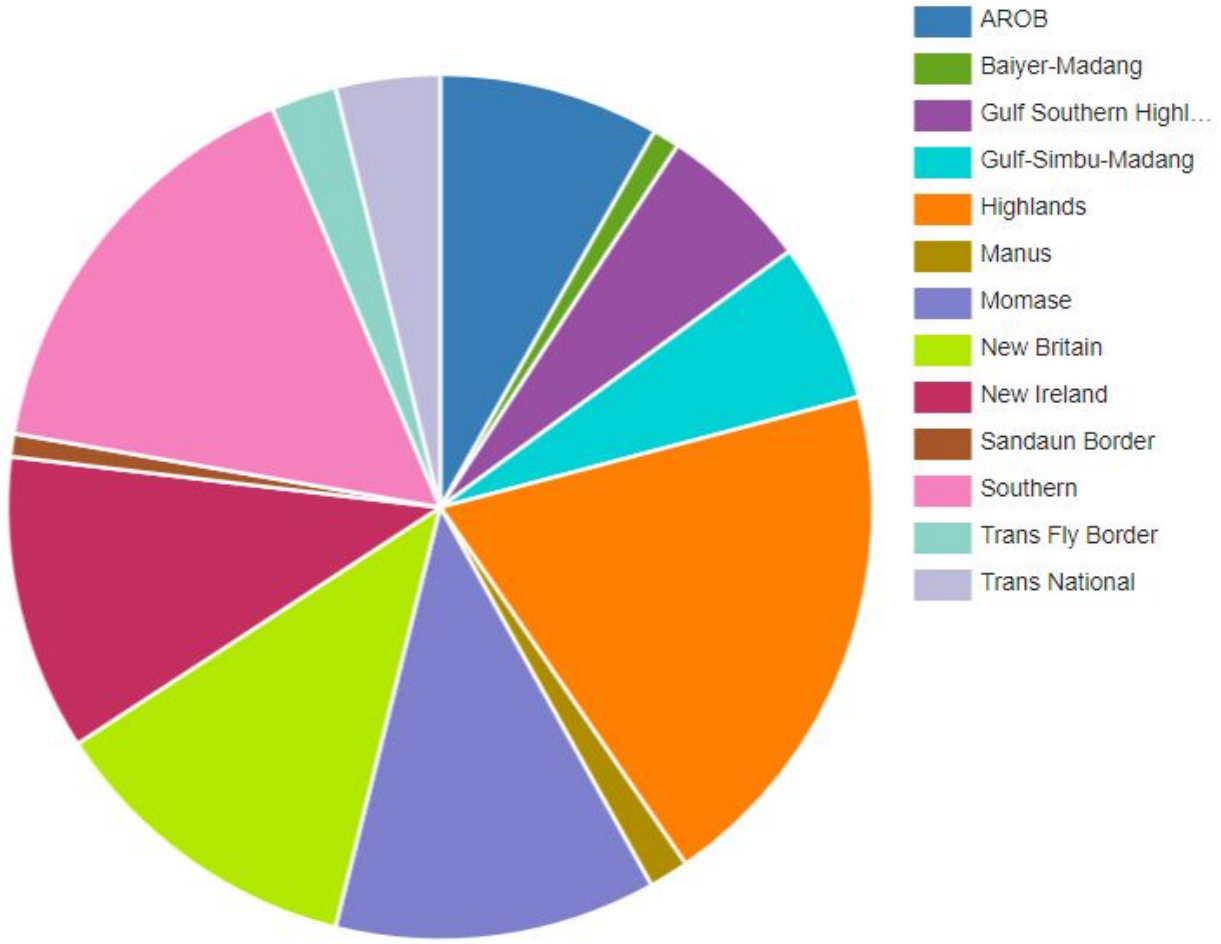
Road by Priority Corridor



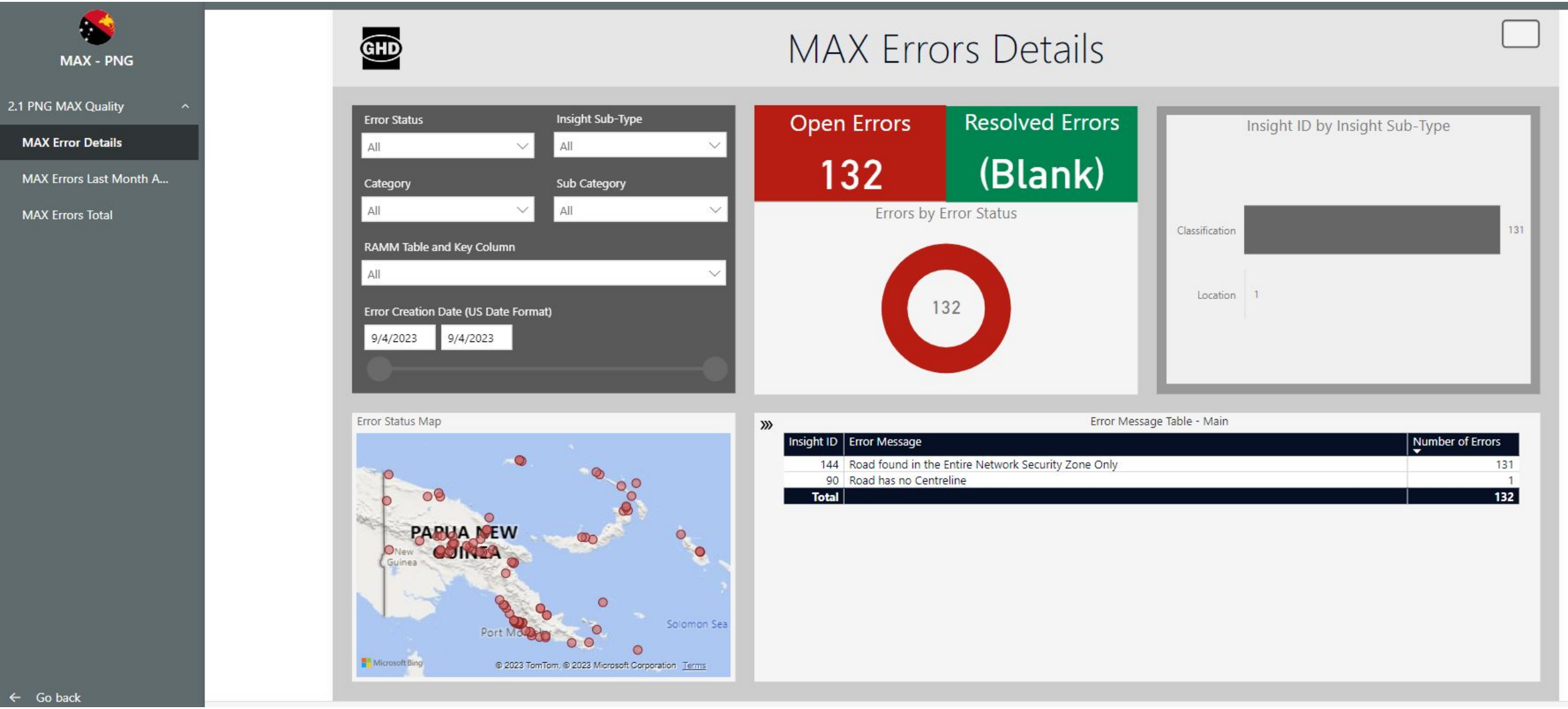
Updated: 3 mins ago

RAMM – Asset Register Created for 42 Asset Types

Home > Asset and Inventory Data >

- Asset - Amenities
- Asset - Barrier
- Asset - Drainage System
- Asset - Electrical Asset
- Asset - Geotech
- Asset - Marking
- Asset - Pathway
- Asset - Pavement & Surfacing
- Asset - Rail and Walls
- Asset - Road Structure
- Asset - Sight Rail and Fence
- Asset - Support Structure
- Asset - Traffic Control Devices
- Asset - Tunnel

Dashboard – PowerBI setup as base for Monitoring



Network Video - Mapillary Trial

Network Video - GoPro and Insta360 Trial

Bridge Management

- Bridge asset data
  - Bridge load restrictions
  - Bridge width restrictions
- Bridge condition surveys
- Bridge maintenance
- Bridge projects

Documents & Processes

→ PNG DoWH Road Management System

KnowledgeBase – 67 Articles Drafted

Pilot Trial – New Ireland Province

→ PNG DoWH Road Management System

Capacity Development
“The People”

→ PNG DoWH Road Management System

This bag is for m
Cool Staf
cool stuf

Photos from PNG Visit No 1

→ PNG DoWH Road Management System

DOWH

TOYOTA
HILUX
BGQ·493

Fitting in with the Locals

Duffy
café
Full Cream Milk

RESERVED FOR
DIRECTOR -
MISSING LINK

OFFICE

* Thank You

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