

# Using ArcGIS for Road Closure Reporting during climate disasters

03<sup>rd</sup> March 2020 Nemaia Koto

### FRA GIS: Current state

Gallery

#### Core data

- GIS asset register roads, bridges, culverts, traffic lights, street lights
- Asset condition for some assets
- Projects and programmes where the work is happening
- Support data boundaries, other infrastructure, crashes...

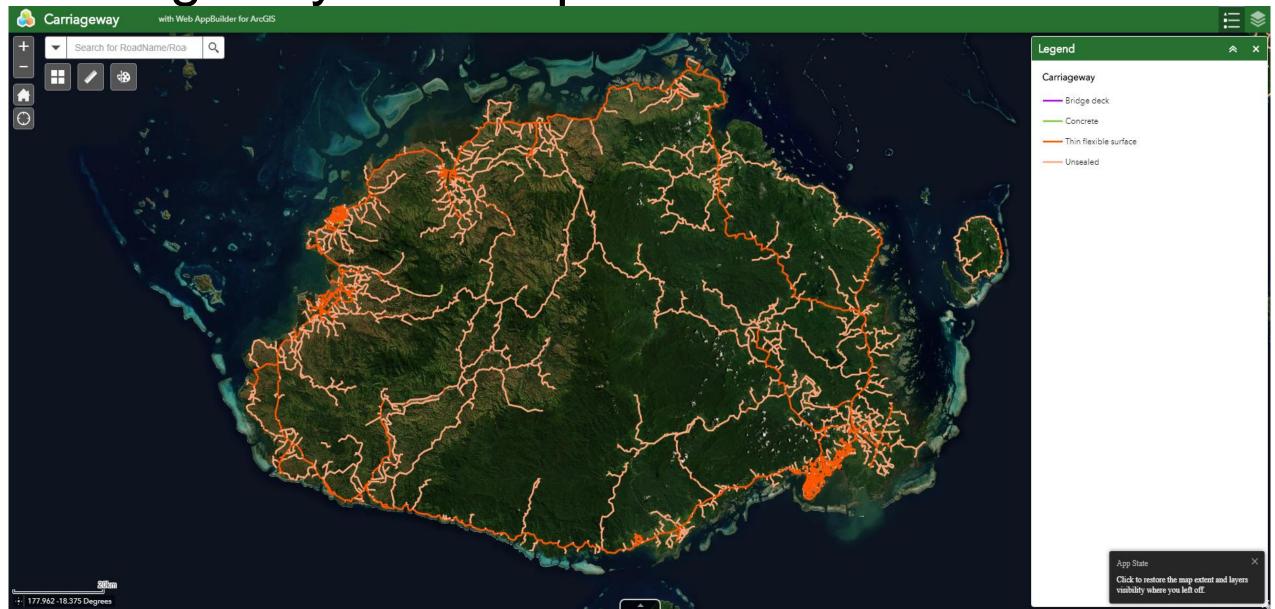
#### Systems

- ArcGIS Desktops and Pro, GIS database server, web server (gis.fijiroads.org/portal)
- All end users interact via web apps and services



Contact Us

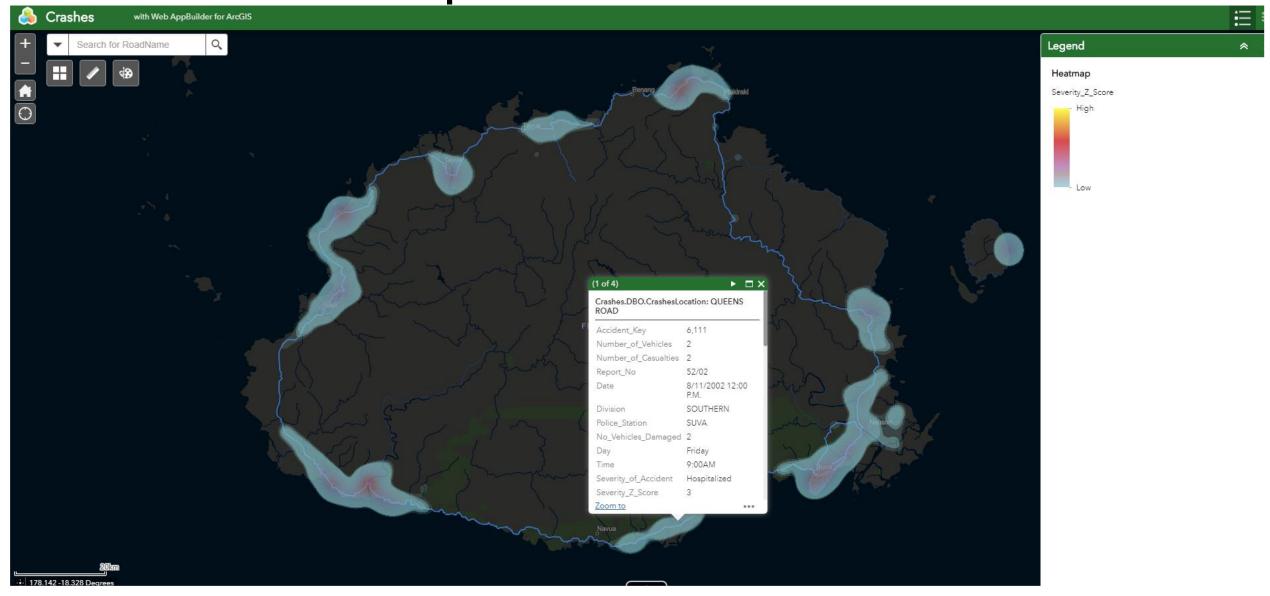
Carriageway Webmap



Bridges Webmap

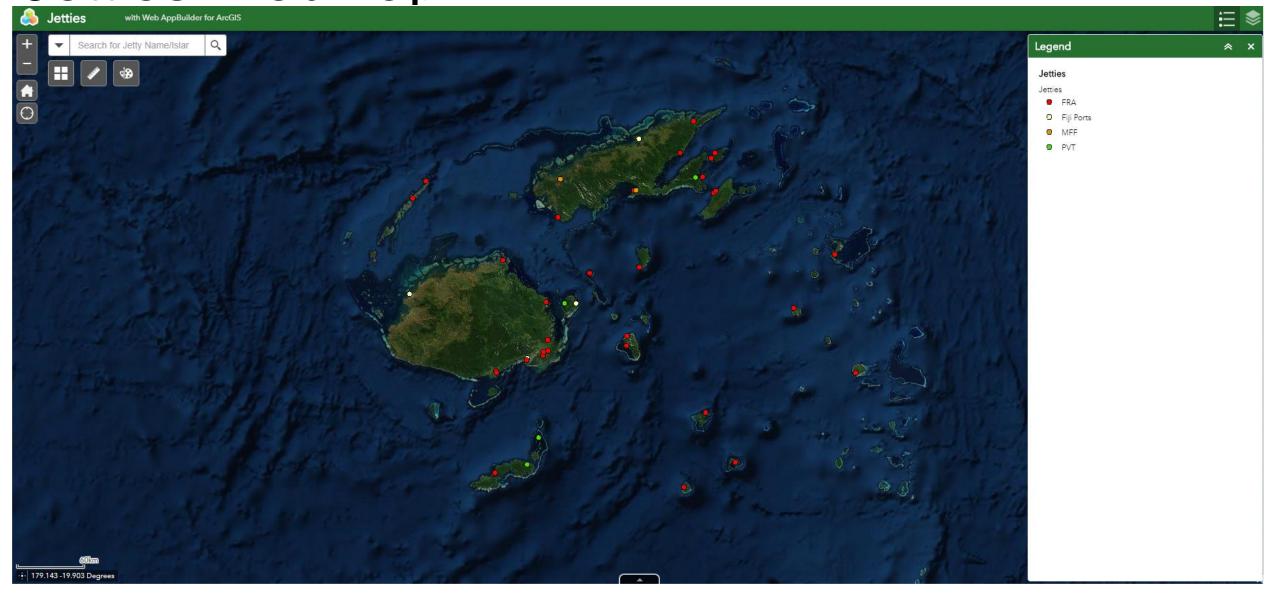


Crashes Webmap



Jetties Webmap

Mith Web AppBuilder for ArcGIS

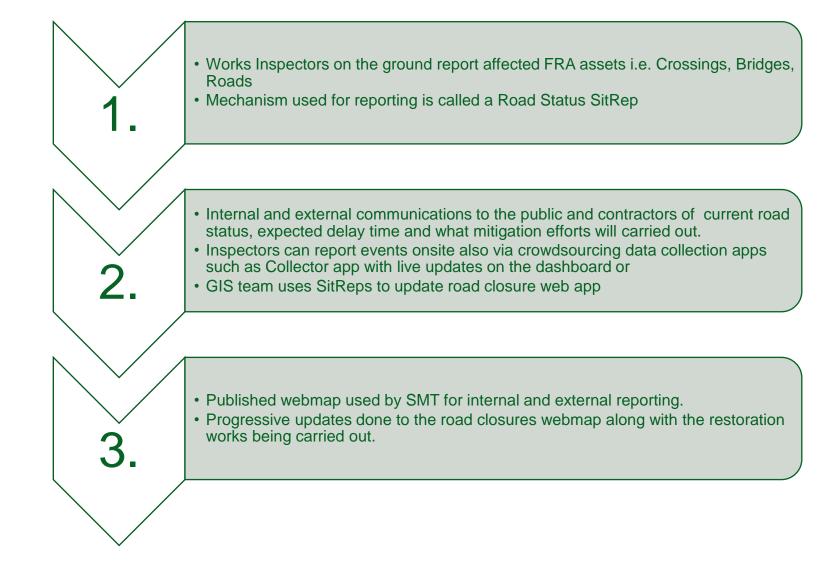


### Current FY activities

- Roll out roads-specific ArcGIS extension
  - Focus on linear referencing
- Integration with other systems
  - Maintenance work-order management (RAMM)
  - Project management (Primavera)
  - Other infrastructure organisations (WAF, FEA, TFL, MoIT)
- New data
  - Road boundary survey selected sites only (with WAF)

# Reporting Road Closures

Process



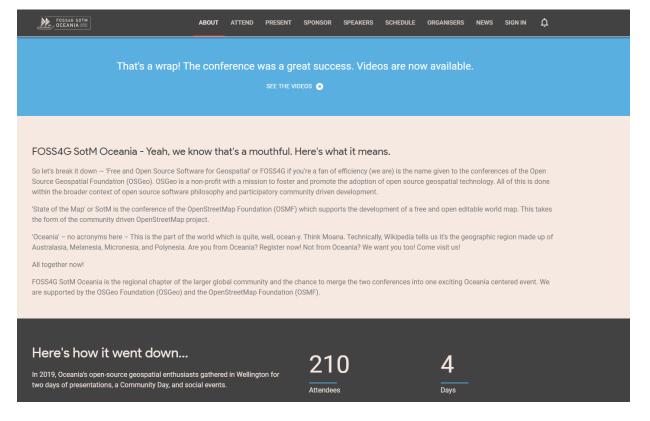
# Collector App

Video Tutorial for using ArcGIS Collector

# Road Closure Webmap

http://bit.ly/2SSpfHd

## FOSS4G SoTM Oceania 2020 Plug



- Free and open source software for Geospatial (FOSS4G)
- Date: 17<sup>th</sup> 20<sup>th</sup> November, 2020.
- Venue: Suva, Fiji
- Mailing List: http://eepurl.com/dpehWj

### Questions?

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