

# Disaster impact assessment

**Request ID: 1a1532**

# Project Objectives

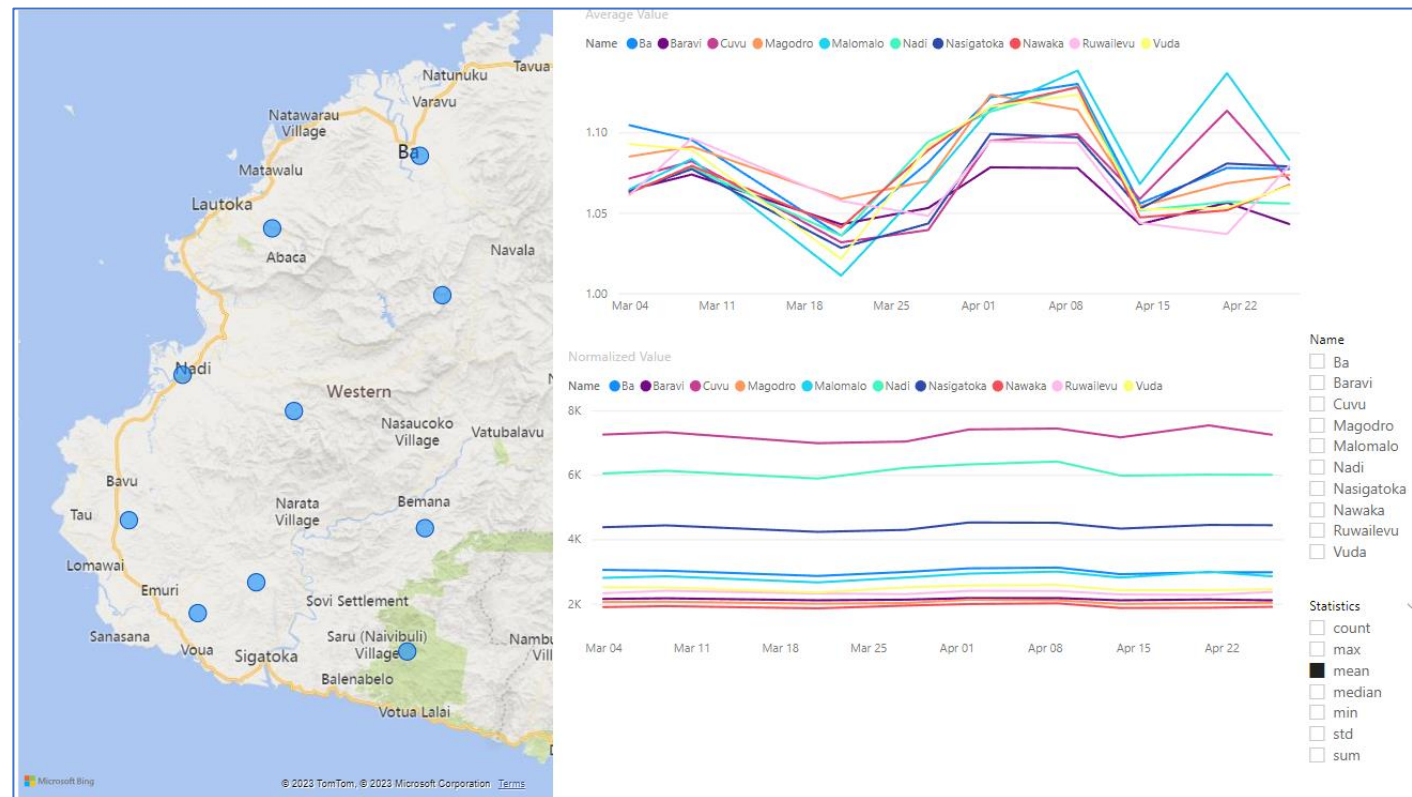
1. Use historical EVI from archived, higher resolution Sentinel-2 to validate EVI values from lower resolution MODIS
2. Determine change in EVI at subnational level in Fiji as input for post-cyclone damage assessment and analysis

# Benefits from the Support Provided

1. Instead of relying on archived Sentinel images from Copernicus OpenHub, which takes several days or weeks to retrieve, SentinelHub provided real-time access to these images.
2. SentinelHub provided functions and cloud environment that computes for indices instead of downloading and processing in local machines. This removes the requirement of higher computing capacity and greater storage.
3. The following related articles were published:
  - a. Nowcasting from Space: Impact of Tropical Cyclones on Fiji's Agriculture  
<https://www.adb.org/publications/nowcasting-space-impact-tropical-cyclones-fiji-agriculture>
  - b. Appraising New Damage Assessment Techniques in Disaster-Prone Fiji  
<https://www.adb.org/publications/damage-assessment-techniques-disaster-prone-fiji>

# Project Impact to Society

- Accessible information on vegetation health before and after cyclone



This dashboard shows historical district-level EVI values in western Viti Levu, Fiji from March to April 2020.