

# “Addressing for Resolution of Water Issues by use of Earth Observation Data”

## FIJI METEOROLOGICAL SERVICE WEBSITE

The screenshot shows the homepage of the Fiji Meteorological Service (RSMC Nadi-Tropical Cyclone Centre). The header includes the service name and a note about being an official source of reliable information. Below the header is a navigation menu with links for Home, Awareness & Education, Wigs, Feedback, and About Us. A central map of Fiji displays weather icons for various locations like Suva, Nausori, Sigatoka, and Pacific Harbour. A sidebar on the left lists services such as Tropical Cyclone Outlook, Aviation Weather Products, and Climate Services. At the bottom, there are thumbnails for Radar Images, Satellite Images, Maps, Forecast Models, and JAXA Realtime Rainfall Watch.

## Monitoring large-scale distributions of rainfall in real-time using space-based rainfall information by GSMaP

The screenshot displays the 'Realtime Rainfall Watch' interface. The top navigation bar includes 'Menu', 'User Registration', 'User's Guide', 'Rainfall Watch', 'RIKEN Nowcast', and the GSMaP logo. A 'Last Update' timestamp is shown as '13 Apr 2022 17:32:17 FJT'. The main control area features a time range selector (22 / 2 / 4), a time zone dropdown (FJT), and a 'Submit' button. Below this are time interval buttons: '-1.0 hour', '-30 min', 'Latest', '+30 min', '+1.0 hour', and '+1.5 hour'. On the right, there are buttons for 'Cloud', 'Rain', and 'Time and Satellite'. Further down, there are buttons for '12h rainfall accumulation', '24h rainfall accumulation', and '72h rainfall accumulation'. The main map area shows a global view of rainfall intensity with a color scale from blue (low) to red (high). A sidebar on the right contains an 'Overlay Opacity Control' slider, a 'Basemap Select' dropdown (currently set to 'OpenStreetMap'), 'Geographic layers' buttons for 'Coast 1:50m', 'Coast 1:10m', 'Lat/Lon (5deg)', and 'River', a 'Country Search' dropdown, and 'Location change' fields for 'Latitude' (set to -17.59) and 'Longitude' (set to 178.151).

