FSM COUNTRY REPORT

WSO CHUUK'S EXECPTATIONS OF NEW-GENERATION SATELLITES FOR HAZARDOUS MONITORING

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CHUUK WSO'S top three hazards that can be monitored by satellite (Q 1 of the JMA questionnaire)

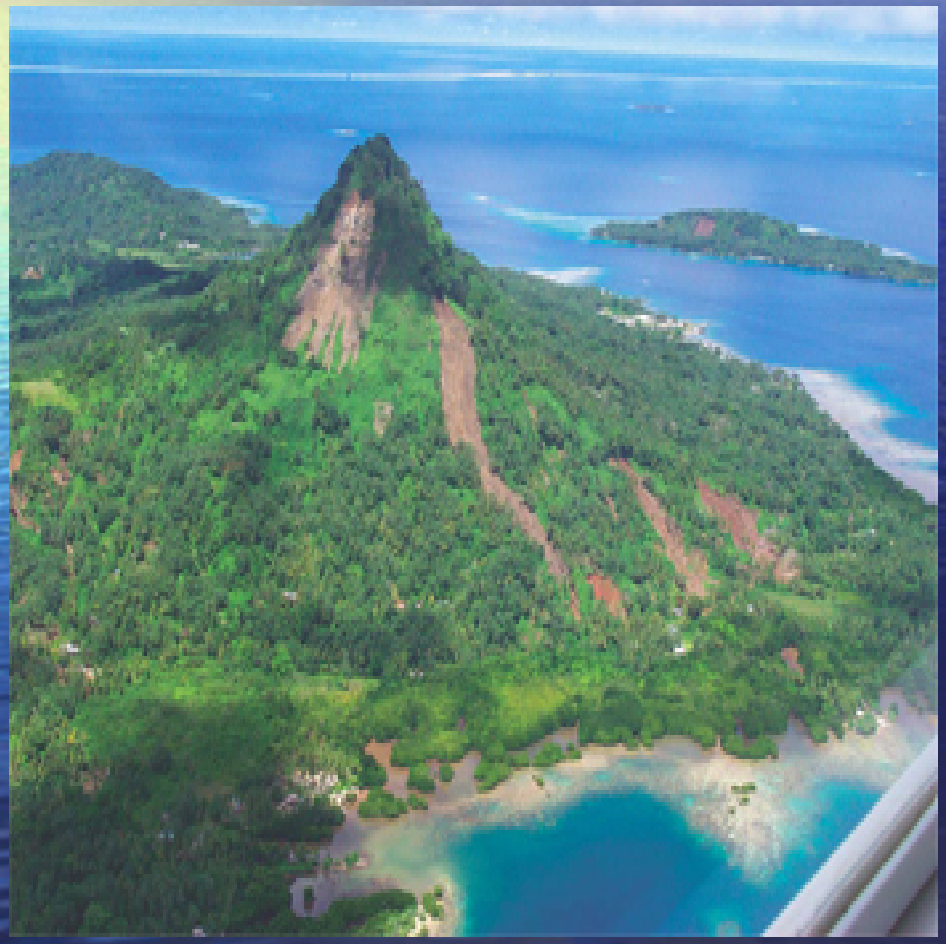
.Hazard 1: tropical cyclones (Typhoons)

Chuuk WSO's top three hazards

that can be monitored by satellite

(Q 1 of the JMA questionnaire)

Hazard 2: Torrential rain & Severe Thunderstorm



WSO, CHUUK'S top three hazards that can be monitored by satellite.
(Q1 of the JMA questionnaire)

HAZARD 3: MONSOON ACTIVITIES:

WSO, Chuuk's expectations of new series of satellites for hazard monitoring (Q2 of the JMA questionnaire)

Major hazard	**Features of new generation GEO met. satellite**
Hazard 1: Tropical cyclones (typhoon)	**Multi-spectral bands:** New signals derived from multi-spectral band observation will support issuance of more effective warnings.
Hazard 2:Torrential rain & Severe Thunderstorms	**Multi-spectral bands:** New quantitative product will be derived from multi-spectral band observations data. **Rapid scanning:** Data from rapid scanning observation will enable early detection of torrential rain & severe thunderstorms.
Hazard 3: Monsoon activities	**Multi-spectral bands:** New segnals derived from mutli-spectral band observations before extremely heavy

WSO, CHUUK'S requirements to get desired benefits from the new generation of satellites. (Q3 of the JMA questionnaire)

Major hazard	Features of new generation GEO met.satellite
Hazard 1: Tropical cyclones (typhoon)	**Training in imagery analysis:** Training would support the retrieval of new signals from multi-spectral band observation.
Hazard 2: Torrential rain & Severe thunderstorms	**Easy-to-understand products:** WSO,Chuuk would be interested in using a product made with multi-spectral band data that indicates new signals prior to extremely heavy rain. **Training in the basic of multi-spectral observations:** Training in the basic of multi-spectral observations will hence more understanding mostly about multi-spectral observations especially during severe thunderstorms.

WSO-CHUUK'S PLAN/EXPECTATIONS FOR UTILIZATION OF NEW GENERATION GEOSTATIONARY METEOROLOGICAL SATELLITE DATA

- Development of a weather monitoring system using enhanced features of new-generation satellites such as high spatial resolution and multi-spectral bands.
- Active participation in scientific meeting and training with focus on the utilization of new-generation satellite imagery.
- WSO-Chuuk station is set for the new satellite disk that need to install at our station.


THANK YOU VERY MUCH
FOR YOUR ATTENTION