**WMO RA IV Virtual Satellite Applications Training Workshop**
**Caribbean Weather Forecasting Initiative**
**Registration Announcement**
**December 5-8, 2022**

The National Oceanic and Atmospheric Administration (NOAA), along with the Caribbean Meteorological Organization (CMO) Headquarters Unit and the Caribbean Institute for Meteorology & Hydrology (CIMH), and the University of Leeds are organizing a virtual training workshop for participants from the World Meteorological Organization (WMO) North America and Caribbean Region IV. The virtual training, hosted by CIMH, will be December 5-8, 2022. The Satellite Applications workshop will include an overview of GOES-R and JPSS satellite capabilities, how to access data to address forecasting challenges and improve data driven decision making to advance WMO and the AmeriGEO Societal Benefit Areas (Water, Disasters, Health, etc.)

The Virtual Satellite Applications Workshop will be a certificate track workshop and will provide participants the opportunity for hands-on exercises, including the use of local case studies to investigate potential severe weather events and to focus on how events evolve as they cross the Caribbean islands. At the end of the workshop, participants will have developed competency in using the data and products for weather forecasting, prediction, monitoring and/or research.

Forecasters, researchers, and students are all encouraged to participate. Full time participants will interact through the webinar, responding to questions and submitting homework. Space is limited to 100 attendees. Please note that if the number of people registered exceeds the capacity of the webinar, we may implement a selection process to ensure that all Latin American and Caribbean countries are represented. A certificate will be provided to participants who complete the course.

**Registration is required.** Because of the virtual nature of the training, there will be a pre-workshop orientation session on Friday, December 2 to confirm participation and data access. There is no registration fee for the workshop. **The deadline to register for the workshop is 28 November 2022.**

**The link to the workshop information page is here. The link to register for the workshop is here.**

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| Monday, 5 Dec | Organizations and their roles in data access, satellite products, tools and how to access data including GEONETcast, GRB/HRIT/EMWIN/ OpenDCS, training module sites |
| Tuesday, 6 Dec | Tools used for analyses, tropical cyclogenesis case studies pre-hurricane Irma and Ian lectures and hands-on exercises |
| Wednesday, 7 Dec | Disaster management, climate indices, Regional Focus Group, multiple hazards case study La Soufriere lectures and hands-on exercises |
| Thursday, 8 Dec | Ocean and Coastal Processes including detecting oil spills, Harmful Algae Blooms, SST Datasets, |

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| | Tsunami, Sargassum, coral bleaching, ocean acidification, ocean color |

It is strongly recommended that participants complete some of the following online modules in advance to prepare for the workshop. There is no charge for the MetEd sessions:

- Two modules are suggested.
    - GOES-R: Benefits of Next-Generation Environmental Monitoring
    - GOES-R ABI: Next Generation Satellite Imaging
- Additional GOES-R modules that may be of interest are GOES-R Series Faculty Virtual Course and GOES-R GLM: Introduction to the Geostationary Lightning Mapper

- Suomi NPP: A New Generation of Environmental Monitoring Satellites

- SHyMet: Satellite Foundational Course for JPSS (SatFC-J) Four modules are suggested.
    - Microwave Remote Sensing: Overview, 2nd Edition
    - Microwave Remote Sensing: Applications for Water Vapor, Clouds and Precipitation
    - Oxygen and Water Vapor Absorption Bands
    - Influence of clouds and precipitation

If you have any additional questions, please contact Sherrie Morris (sherrie.morris@noaa.gov).