NOAA/WMO RA IV Virtual Satellite Applications Training Workshop (English)
Caribbean Weather Forecasting Initiative 2022
Hosted by CIMH
AGENDA
December 5-8, 2022

Time Zones

- AST (UTC-4) (*one hour ahead*) for Barbados, Trinidad & Tobago, all the Lesser Antilles, Puerto Rico and the Dominican Republic
- EST (UTC-5) for Washington DC, Jamaica, Haiti and islands to the west.

Barbados Time (AST)	**9AM=1300 UTC** **9AM=8AM EST**	**Day 1 Monday** 5 December	**Day 2 Tuesday** 6 December	**Day 3 Wednesday** 7 December	**Day 4 Thursday** 8 December
900-915 AST	1300 UTC 800 EST	**Host Welcome** *Kathy-Ann Caesar (CIMH)*	**Weather Briefing and Homework Reflection** *José Gálvez (Axiom/NOAA)*	**Multihazard Vulnerability Assessments** *Marina Mendoza (ImageCat)*	**Homework Reflection/ Weather Briefing** *Bernie Connell (CIRA) and José Gálvez (Axiom/NOAA)*
915-930 AST	1315 UTC 815 EST	**Role of CMO** *Arlene Laing (CMO)*			**Satellite Data and the Detection of Oil Spills** *Juan Velasco (NESDIS/STAR)*
930-945 AST	1330 UTC 830 EST	**WMO's Role in Improving the Use of Satellite Information** *Rodney Martinez Guingla (WMO RA-IV)*	**Case Study #1 Tropical Cyclogenesis in the Eastern Caribbean Irma vs Ian Lecture and Hands-on** *José Gálvez (Axiom/NOAA) and Bernie Connell (CIRA)*	**Climate Indices: Applications into Forecasting** *José Gálvez (Axiom/NOAA)*	
945-1015 AST	1345 UTC 845 EST	**NOAA's Role in Improving the Use of Satellite Information** *Mitch Goldberg (NOAA/NESDIS)*			**GEONETCast Discussion** *Ian Avruch and Toby Hutchings (NOAA/NOAASIS)*
1015-1030 AST	1415 UTC 915 EST	**NASA's Role in Optimizing the Use of Satellite Information** Argyro Kavvada (NASA)			

1030-1050 AST	1430 UTC 930 EST	**20 min BREAK**	**20 min BREAK**	**20 min BREAK**	**20 min BREAK**
1050-1130 AST	1450 UTC 950 EST	**Overview of GOES and POES** Introduction to satellite data and products access *Marcial Garbanzo (UCR)*	**Case Study #1** **Tropical Cyclogenesis in the Eastern Caribbean** **Irma vs Ian** **Lecture and Hands-on** CONTINUED	**Case Study #2** **La Soufriere Eruption** **Lecture and Hands-on** **Multiple Hazards** Volcano, aviation/ground, heavy rain, lightning *Bernie Connell (CIRA) and Kathy-Ann Caesar (CIMH)*	**Tsunami Monitoring** *Christa Von Hildebrandt (ITIC)*
1130-1145 AST	1530 UTC 1030 EST	**Satellite Information for Decision Making Process** *Ricardo Quiroga (NASA)*			**Nightlights Monitoring for Disasters and Recovery** *Hugh Atherley (CIMH)*
1145-1200 AST	1545 UTC 1045 EST				**Forecaster Experience** Gregory Cato (Svg Met)
1200-1230 AST	1600 UTC 1100 EST	**1.5 hour LUNCH BREAK**	**1.5 hour LUNCH BREAK**	**1.5 hour LUNCH BREAK**	**Multiple Hazards: Warnings and Communication** Arlene Laing (CMO)
1230-1330 AST	1630 UTC 11030 EST				**1 hour LUNCH BREAK**
1330-1400 AST	1730 UTC 1230 EST	**Creating a Feature Map** *Doug Parker (University of Leeds)*	**Prediction Practice** **RGB Imagery Exercise** *Carol Subrath-Ali (TTMS)* *Lawrence Pologne and Wayne McGeary (CIMH)*	**WMO VLab Regional Focus Group (RFG) of the Americas and Caribbean**	**Satellite Monitoring of Pelagic Sargassum** *Gabriela Goméz (UNAM/LANOT)* *Joaquin Trinanes (NOAA OAR)*
1400-1430 AST	1800 UTC 1300 EST	**Web-based Training Resources from COMET MetEd** *Amy Stevermer and Keliann LaConte (COMET)*			
1430-1445 AST	1830 UTC 1330 EST	**NOAA's Satellite Book Cub Seminar Series** *Kashaud Bowman (NOAA/GOES-R PRO/TOWR-S)*	**Regional Focus Group Overview** *Bernie Connell (CIRA) and José Gálvez (Axiom/NOAA)*	**Observing Wildfire Burn Scars from Satellite to Help Forecast Debris Flow and Flash Flooding** Javier Villegasbravo (NOAA/WOPC)	**Sargassum monitoring in Météo-France** *Jean-Baptiste Hernandez (Météo-France)*
1445-1500 AST	1845 UTC 1345 EST	**Inter-American Academy** *Angelica Gutierrez, Rich Frazier, Amber Kremer, Natalia Bermudez, AJ DeGermo (NOAA/IIA)*	**CoastWatch Training and ERDDAP Demonstration** *Melanie Abecassis (NOAA CoastWatch)*		
1500-1530 AST	1900 UTC 1400 EST	**Coral Bleaching, SST Data Sets** *Derek Manzello (NOAA/STAR)*		**Case Study #2 Lecture/ Hands-on Introduction to Volcanic Emissions** *Kathy-Ann Caesar (CIMH) and Bernie Connell (CIRA)*	**Landslides / Global Precipitation Measurements (GPM)** *Dalia Kirschbaum (NASA)*

1530-1545 AST	1930 UTC 1430 EST	**15 min BREAK**	**15 min BREAK**	**15 min BREAK**	**15 min BREAK**
1545-1615 AST	1950 UTC 1450 EST	**Key image interpretation aspects for using individual channels, channel combinations, and RGBs** *Bernie Connell (CIRA) and José Gálvez (Axiom/NOAA)*	**Global Flooding Modeling** *Margaret Glasscoe (NASA) Hugh Atherley (CIMH)*	**Case Study #2 Lecture/ Hands-on Exercise with reference to Communicating the forecast** *Kathy-Ann Caesar (CIMH) and Bernie Connell (CIRA)*	**Prediction Practice Communicating the Forecast Exercise** *Kathy-Ann Caesar (CIMH)*
1615-1630 AST	2020 UTC 1520 EST	**Summary Discussion / Homework Assignment**	**Summary Discussion / Homework Assignment**	**Summary Discussion**	***Workshop Wrap up and Survey***

Barbados Time FOR THE WORKSHOP (AST): 9:00 AM = 13 UTC = 8AM Eastern Standard Time (EST)

Institution Acronyms in order of appearance:

(a) CIMH: Caribbean Institute for Meteorology and Hydrology
(b) CMO: Caribbean Meteorological Organization
(c) WMO: World Meteorological Organization
(d) RA: Regional Association
(e) NOAA: National Oceanic and Atmospheric Administration
(f) NESDIS: National Environmental Satellite, Data, and Information Service
(g) NASA: National Aeronautics and Space Administration
(h) UCR: University of Costa Rica
(i) PRO: GOES-R Product Readiness and Operations (PRO) Team
(j) IIA: International and Interagency Affairs
(k) STAR: Satellite Applications and Research
(l) TTMS: Trinidad and Tobago Meteorological Service
(m) CIRA: Cooperative Institute for Research in the Atmosphere
(n) WOPC: Weather and Ocean Prediction Centers
(o) NOAASIS: NOAA) Satellite Information System (NOAASIS)
(p) ITIC: International Tsunami Information Center
(q) UNAM: Universidad Nacional Autónoma de México
(r) LANOT: National LAboratory for Earth Observations
(s) OAR: Oceanic and Atmospheric Research
(t) ITIC: International Tsunami Information Center
(u) Svg Met: St. Vincent & the Grenadines Weather