WMO RA-III Ecuador Virtual Training on Satellite Applications

November 10, 12, and 17, 18, 19, 2020

Agenda

Ecuador time (EST) 9am = 1400 UTC	Day 1 Tuesday 10 Nov	Day 2 Thursday 12 Nov	Day 3 Tuesday 17 Nov	Day 4 Wednesday 18 Nov	Day 5 Thursday 19 Nov
900 - 915	**Introductions** *Presenters: Monica Martinez (Ecuador's Ministry of Foreign Affairs)* *Cecilia Paredes (Rector ESPOL)*	**Overview of GOES and POES** Satellite products and tools and Introduction to access, including GEONETcast *Presenters:* *Diego Souza (INPE)* *Marcial Garbanzo (UCR)*	**Reflection** *Presenters: Bernie Connell (CIRA) and José Gálvez (SRG/NOAA)*	**Reflection** *Presenters: Bernie Connell (CIRA) and José Gálvez (SRG/NOAA)*	**Reflection** *Presenters: Bernie Connell (CIRA) and José Gálvez (SRG/NOAA)*
915 - 930			**Geostationary Lightning Mapper (GLM)** *"Introduction to GLM and application example: Severe Weather in Costa Rica on February 25, 2018"* *Presenters: Bernie Connell (CIRA) and José Gálvez (SRG/NOAA)* *Authors: Jonathan Smith (UMD/NOAA) y Joseph Patton (UMD)*		**Disaster Management Using Satellite Information for Decision Making Process** *Presenter: Ricardo Quiroga (NASA)*
930 - 1010	**NOAA's Role in improving the use of satellite information** *Presentor: Mitch Goldberg (NOAA)* *Translator: Jose Galvez (SRG/NOAA)*			**Nowcasting in Brazil and Perú** Fortracc/ Nowcasting methods *Presenters:* *Daniel Vila (INPE, Brasil) y Joao Huamán (SENAMHI, Peru)* *Kelita Quispe (SENAMHI, Peru)*	
1010 - 1015	**WMO's Role in improving the use of satellite information** *Presenters: Rodney Martinez Guingla (WMO RAV)* *Julian Báez (WMO RAIII)*				
10:15-10:30					**Satellite Data and the detection of Oil Spills** Presenter: Juan Velasco (NOAA/SAB)
1030-1040		20 min BREAK	20 min BREAK	20 min BREAK	
1040 - 1050	20 min BREAK				

1050 - 1100		**Image Interpretation and Applications** cloud and surface differentiation and RGB Products and Applications *Presenters: Bernie Connell (CIRA) and José Gálvez (SRG/NOAA)*	**EL NINO: Large Scale Processes** Eastern Pacific Processes, El Niño, Large Scale Rainfall Variability Presenter: *José Gálvez (SRG/NOAA)*	**Nowcasting in Ecuador: Methodologies and thresholds for i ssuing warnings** Levels of warnings (estimators, early warning system) *Presentadores:* *Guillermo Flores (INAMHI)* *Vladimir Arreaga (INAMHI)*		
11:00-11:15	**AmeriGEO Introduction** *Presenter:* *María del Pilar Cornejo (ESPOL*				15 min BREAK	
1115 - 1145					**Tsunami** *Presenters: Christa Von Hildebrandt and Silvia Chacon*	
1145 - 1200	**Workshop Agenda and Dynamics** *Presenters: Bernie Connell (CIRA) and José Gálvez (SRG/NOAA)*					
1200- 1215	LUNCH BREAK	LUNCH BREAK	LUNCH BREAK	LUNCH BREAK		
1200 - 1330					LUNCH BREAK	
1330 - 1430	**Ocean 1** Coastal Processes: erosion, waves, altimetry, monitoring El Nino *Presenters:* *Jonathan Marcelo Cedeno Oviedo* *Joaquin Trinanes* *Gustavo Goni*	**Hands-On Exercise Distinguishing synoptic and mesoscale features** (Fog/stratus, cumulus, cirrus, frost, hot spots) *Presenters: Bernie Connell (CIRA) and José Gálvez (SRG/NOAA)*	**Extreme Precipitation** (Heavy rain, extreme events) *Presenters: Mercy Borbor (ESPOL), Bernie Connell (CIRA) y José Gálvez (SRG/NOAA)*	**Hands-On Exercise Case Study of Sudden Flood in Quito** *Presenters:* *Bernie Connell (CIRA), Mercy Borbor (ESPOL) y José Gálvez (SRG/NOAA)*	**Communicating the Forecast** *Presenters: Ma. del Pilar Cornejo and Carlos Naranjo*	
1430 - 1440		20 BREAK	20 BREAK		20 BREAK	
1440-1450				20 BREAK		
1450-1500	15 BREAK					

1500 - 1550	**Ocean 2** Coral bleaching, SST datasets *Presenter: Mark Eakin (NOAA Coral Reef Watch)* *Translator: José Gálvez (SRG/NOAA)*	**Introduction to Volcanic Emissions and Hands-On Exercise** *Presenters: Bernie Connell (CIRA) and José Gálvez (SRG/NOAA)*	**Hands-On exercise Extreme Rainfall Case Study** *Presenters: Mercy Borbor (ESPOL), Bernie Connell (CIRA) y José Gálvez (SRG/NOAA)*	**Landslides / Global Precipitation Measurements (GPM)** *Presenters: Dalia Kirschbaum (NASA)* *Thomas Stanley(NASA)* *Translator:* *José Gálvez (SRG/NOAA)*	**Ocean Acidification** *Presentor: Derek Manzello (NOAA/AOML)* *Translator: Jose Galvez (SRG/NOAA)*
1550 - 1600		20 min BREAK	20 min BREAK		20 min BREAK
1600-1610	20 min BREAK			20 min BREAK	
1610 - 1620		**Continuation of Hands-On Exercises** *Presenters: Bernie Connell (CIRA) and José Gálvez (SRG/NOAA)*	**Hands-On exercise Extreme Rainfall Case Study** *Presenters: Mercy Borbor (ESPOL), Bernie Connell (CIRA) y José Gálvez (SRG/NOAA)*	**References for Urban Heat Islands** *Presenters:Bernie Connell (CIRA) y José Gálvez (SRG/NOAA)*	**Workshop Summary** *Presenters:* *Bernie Connell (CIRA) y José Gálvez (SRG/NOAA)*
1620-1650	**Ocean 3** Harmful Algae Blooms and Ocean Color *Presenter: Alan Garcia (INSIVUMEH)*				
1650 - 1700	**Homework Assignment:** pre-reading for day 2	**Homework Assignment:** Volcano Case	**Homework Assignment**	**Homework Assignment**	