

# Costa Rica RA-IV Virtual Training on Satellite Applications (October 2020)

## Draft Agenda – 28 August 2020

Color Codes	Presentations and Panels		Hands-on Activities and Discussions			
Time ▲ (Costa Rica)	Week #1		Week #2		Week #3	
	Wed Oct 14	Thu Oct 15	Wed Oct 21	Thu Oct 22	Wed Oct 28	Thu Oct 29
<b>9:00 - 9:30</b>	PRESENTATION 1 “NOAA’s Role in improving the use of satellite information.” <i>Presenter: Mitch Goldberg (NOAA)</i>	REFLECTION 1 “Polar vs Geostationary Products.” <i>Instructors: Bernie Connell (CIRA), Marcial Garbanzo (UCR) and José Gálvez (SRG/NOAA).</i>	REFLECTION 2 “Spectral Signature of Surfaces.” <i>Instructors: Bernie Connell (CIRA), Marcial Garbanzo (UCR) and José Gálvez (SRG/NOAA).</i>	REFLECTION 3 “Applications into Weather Forecasting.” <i>Instructors: Bernie Connell (CIRA), Marcial Garbanzo (UCR) and José Gálvez (SRG/NOAA).</i>	REFLECTION 4 “Applications into Aviation.” <i>Instructors: Bernie Connell (CIRA), Marcial Garbanzo (UCR) and José Gálvez (SRG/NOAA).</i>	REFLECTION 5 “GLM Applications.” <i>Instructors: Bernie Connell (CIRA), Marcial Garbanzo (UCR) and José Gálvez (SRG/NOAA).</i>
<b>9:30 - 10:00</b>	PRESENTATION 2 “WMO’s Role in improving the use of satellite information.” <i>Presenter: Rodney Martínez (WMO RA-IV, Costa Rica)</i>				PRESENTATION 8 “NASA’s role in improving the use of satellite information.” <i>Presenter: Sandra Cauffman (NASA)</i>	
<b>10:00 - 10:30</b>	Break		Break		Break	
<b>10:30 - 12:00</b>	PRESENTATION 3 “Overview of Satellite products and tools and Introduction to access.” <i>Presenters: Marcial Garbanzo (UCR) and Diego Souza (INPE)</i>	PRESENTATION 4 ★ “Atmospheric Radiation. Detecting Fires, Cloud Phase and Vegetation.” <i>Presenters: Bernie Connell (CIRA) and José Gálvez (SRG/NOAA).</i>	PRESENTATION 5 ★ “RGB Compositing: Day Cloud Phase Distinction and Night Microphysics RGBs” <i>Presenter: José Gálvez (SRG/NOAA).</i>	PRESENTATION 6 “Communicating your forecast.” <i>Presenter: Being coordinated.</i>	PRESENTATION 9 ★ “Geostationary Lightning Mapper (GLM).” <i>Presenters: Marcial Garbanzo (UCR) and José Gálvez (SRG/NOAA).</i>	PANEL “Professional development and regional connections.” <i>Panelists: Rodney Martínez (WMO), Berta Olmedo (CRRH), Werner Stolz (IMN), Evelyn Quiroz (DGAC), Marcial Garbanzo (UCR), Bernie Connell (CIRA) and Berny Fallas (ICE).</i>

12:00 - 13:30	Lunch Break		Lunch Break		Lunch Break	
13:30 - 14:30	HANDS-ON 1 "Application of Polar vs Geostationary Products." <i>Instructors: Bernie Connell (CIRA), Marcial Garbanzo (UCR) and José Gálvez (SRG/NOAA).</i>	HANDS-ON 2 "Spectral Signature of Surfaces: HAnis Exercises." <i>Instructors: Bernie Connell (CIRA), Marcial Garbanzo (UCR) and José Gálvez (SRG/NOAA).</i>	HANDS-ON 3 "Application of Satellite Tools into Weather Forecasting." <i>Instructor: José Gálvez (SRG/NOAA).</i>	PRESENTATION 7 "Satellite Applications into Aviation Hazards." <i>Presenter: Ty Higginbotham (AWC).</i>	HANDS-ON 4 "GLM in Operational Environment" <i>Instructors: Marcial Garbanzo (UCR) and José Gálvez (SRG/NOAA).</i>	PARTICIPANT SESSION 3 Topic: Participant Presentation on Satellite Applications. <i>Presenters and presentations to be selected.</i>
14:30 - 14:45	Break		Break		Break	
14:45 - 15:30	HANDS-ON 1 "Polar Perspective." <i>Instructors: Bernie Connell (CIRA), Marcial Garbanzo (UCR) and José Gálvez (SRG/NOAA).</i>	HANDS-ON 2 "Spectral Signature of Surfaces: Python and Mcidas Exercises." <i>Instructors: Bernie Connell (CIRA), Marcial Garbanzo (UCR) and José Gálvez (SRG/NOAA).</i>	HANDS-ON 3 "Application of Satellite Tools into Weather Forecasting." <i>Instructor: José Gálvez (SRG/NOAA).</i>	PARTICIPANT SESSION 1 Topic: Participant Presentation on Satellite Applications. <i>Presenters and presentations to be selected.</i>	HANDS-ON 4 "GLM in Operational Environment" <i>Instructors: Marcial Garbanzo (UCR) and José Gálvez (SRG/NOAA).</i>	PARTICIPANT SESSION 4 Topic: Participant Presentation on Satellite Applications. <i>Presenters and presentations to be selected.</i>
15:30 - 15:45	Break		Break		Break	
15:45 - 16:30	HANDS-ON 1 "Geostationary Perspective." <i>Instructors: Bernie Connell (CIRA), Marcial Garbanzo (UCR) and José Gálvez (SRG/NOAA).</i>	HANDS-ON 2 "Spectral Signature of Surfaces: Python and Mcidas Exercises." <i>Instructors: Bernie Connell (CIRA), Marcial Garbanzo (UCR) and José Gálvez (SRG/NOAA).</i>	HANDS-ON 3 "Application of Satellite Tools into Weather Forecasting." <i>Instructor: José Gálvez (SRG/NOAA).</i>	PARTICIPANT SESSION 2 Topic: Participant Presentation on Satellite Applications. <i>Presenters and presentations to be selected.</i>	HANDS-ON 4 "GLM in Operational Environment" <i>Instructors: Marcial Garbanzo (UCR) and José Gálvez (SRG/NOAA).</i>	REFLECTION 6 "Workshop Summary" <i>Instructors: Bernie Connell (CIRA), Marcial Garbanzo (UCR) and José Gálvez (SRG/NOAA).</i>
16:30 - 16:45	ASSIGNMENT OF HOMEWORK 1 "Geostationary vs Polar Products."	ASSIGNMENT OF HOMEWORK 2 "Spectral Signature of Surfaces."	ASSIGNMENT OF HOMEWORK 3 "Applications into Weather Forecasting."	ASSIGNMENT OF HOMEWORK 4 "Satellite Applications into Aviation."	ASSIGNMENT OF HOMEWORK 5 "GLM Applications"	FINALIZATION

★ Associated with a module provided before the training.

▲ Costa Rica Time is UTC-6 (e.g. 9:00 am = 15:00 UTC).