

# 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
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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>

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

★ Associated with a module provided before the training.

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