

Costa Rica RA-IV Virtual Training on Satellite Applications

October 2020

Official Agenda

(as of 6 October)

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
9:00 - 9:30	PRESENTATION 1 “NOAA’s Role in optimizing the use of satellite information.” <i>Presenter:</i> Mitch Goldberg (NOAA)	REFLECTION 1 “Polar vs Geostationary Products.” <i>Instructors:</i> Bernie Connell (CIRA) Marcial Garbanzo (UCR) José Gálvez (SRG/NOAA)	REFLECTION 2 “Spectral Signature of Surfaces.” <i>Instructors:</i> Bernie Connell (CIRA) José Gálvez (SRG/NOAA) <i>Consultation:</i> Marcial Garbanzo (UCR)	REFLECTION 3 “Applications into Weather Forecasting.” <i>Instructor:</i> José Gálvez (SRG/NOAA) <i>Consultation:</i> Bernie Connell (CIRA) Marcial Garbanzo (UCR)	REFLECTION 4 “Applications into Aviation.” <i>Instructors:</i> Bernie Connell (CIRA) Marcial Garbanzo (UCR) José Gálvez (SRG/NOAA)	REFLECTION 5 “GLM Applications.” <i>Instructors:</i> Marcial Garbanzo (UCR) José Gálvez (SRG/NOAA) <i>Consultation:</i> Bernie Connell (CIRA)
9:30 - 10:00	PRESENTATION 2 “WMO’s Role in optimizing the use of satellite information.” <i>Presenter:</i> Rodney Martínez (WMO)				PRESENTATION 8 “NASA’s role in optimizing the use of satellite information.” <i>Presenter:</i> Sandra Cauffman (NASA)	
10:00 - 10:30	30-MIN BREAK		30-MIN BREAK			30-MIN BREAK
10:30 - 11:00	PRESENTATION 3 “Overview of Satellite products and tools and Introduction to access.” <i>Presenters:</i> Marcial Garbanzo (UCR) Diego Souza (INPE)	PRESENTATION 4 ☆ “Atmospheric Radiation. Detecting Fires, Cloud Phase and Vegetation.” <i>Presenters:</i> Bernie Connell (CIRA) José Gálvez (SRG/NOAA)	PRESENTATION 5 ☆ “RGB Compositing: Day Cloud Phase Distinction and Night Microphysics RGBs” <i>Presenter:</i> José Gálvez (SRG/NOAA)	PRESENTATION 6 “Communicating your forecast.” <i>Presenters:</i> Gabriela Chinchilla (IMN) Daniel Poleo (IMN) Hugo Hidalgo (UCR)	30-MIN BREAK	PANEL “Professional development and regional connections.” <i>Panelists:</i> Rodney Martínez (WMO) Berta Olmedo (CRRH) Werner Stolz (IMN), Evelyn Quiroz (DGAC) Marcial Garbanzo (UCR) Bernie Connell (CIRA)
11:00 - 12:00					PRESENTATION 9 ☆ “Geostationary Lightning Mapper (GLM).” <i>Presenters:</i> Marcial Garbanzo (UCR) José Gálvez (SRG/NOAA)	

						Berny Fallas (ICE)
12:00 - 13:30	1-HOUR LUNCH BREAK		1-HOUR LUNCH BREAK		1-HOUR LUNCH BREAK	
13:30 - 14:30	HANDS-ON 1 “Application of Polar vs Geostationary Products.” <i>Instructors:</i> Bernie Connell (CIRA) Marcial Garbanzo (UCR) José Gálvez (SRG/NOAA)	HANDS-ON 2 “Spectral Signature of Surfaces: Python and Mclidas Exercises.” <i>Instructors:</i> Bernie Connell (CIRA) <i>Consultation:</i> José Gálvez (SRG/NOAA) Marcial Garbanzo (UCR)	HANDS-ON 3 “Application of Satellite Tools into Weather Forecasting.” <i>Instructor:</i> José Gálvez (SRG/NOAA) <i>Consultation:</i> Bernie Connell (CIRA)	PRESENTATION 7 “Satellite Applications into Aviation Hazards.” <i>Presenter:</i> Amanda Terborg (AWC) Ty Higginbotham (AWC) <i>Translator:</i> José Gálvez (SRG/NOAA).	HANDS-ON 4 “GLM in the Operational Environment.” <i>Instructors:</i> Marcial Garbanzo (UCR) José Gálvez (SRG/NOAA) <i>Consultation:</i> Bernie Connell (CIRA)	PARTICIPANT SESSION 3 Topic: Participant Presentation on Satellite Applications. <i>Presenters and presentations to be selected.</i>
14:30 - 14:45	15-MIN BREAK		15-MIN BREAK		15-MIN BREAK	
14:45 - 15:30	HANDS-ON 1 “Polar Perspective.” <i>Instructors:</i> Bernie Connell (CIRA) Marcial Garbanzo (UCR) José Gálvez (SRG/NOAA)	HANDS-ON 2 “Spectral Signature of Surfaces: Python and Mclidas Exercises.” <i>Instructors:</i> Bernie Connell (CIRA) Marcial Garbanzo (UCR) <i>Consultation:</i> José Gálvez (SRG/NOAA)	HANDS-ON 3 “Application of Satellite Tools into Weather Forecasting.” <i>Instructor:</i> José Gálvez (SRG/NOAA) <i>Consultation:</i> Bernie Connell (CIRA)	PARTICIPANT SESSION 1 Topic: Participant Presentation on Satellite Applications. <i>Presenters and presentations to be selected.</i>	HANDS-ON 4 “GLM in the Operational Environment.” <i>Instructors:</i> Marcial Garbanzo (UCR) José Gálvez (SRG/NOAA) <i>Consultation:</i> Bernie Connell (CIRA)	PARTICIPANT SESSION 4 Topic: Participant Presentation on Satellite Applications. <i>Presenters and presentations to be selected.</i>
15:30 - 15:45	15-MIN BREAK		15-MIN BREAK		15-MIN BREAK	
15:45 - 16:30	HANDS-ON 1 “Geostationary Perspective.” <i>Instructors:</i> Bernie Connell (CIRA) Marcial Garbanzo (UCR) José Gálvez (SRG/NOAA)	HANDS-ON 2 “Spectral Signature of Surfaces: Python and Mclidas Exercises.” <i>Instructors:</i> Bernie Connell (CIRA) Marcial Garbanzo (UCR) <i>Consultation:</i> José Gálvez (SRG/NOAA)	HANDS-ON 3 “Application of Satellite Tools into Weather Forecasting.” <i>Instructor:</i> José Gálvez (SRG/NOAA) <i>Consultation:</i> Bernie Connell (CIRA)	PARTICIPANT SESSION 2 Topic: Participant Presentation on Satellite Applications. <i>Presenters and presentations to be selected.</i>	HANDS-ON 4 “GLM in the Operational Environment.” <i>Instructors:</i> Marcial Garbanzo (UCR) José Gálvez (SRG/NOAA) <i>Consultation:</i> Bernie Connell (CIRA)	REFLECTION 6 “Workshop Summary” <i>Instructors:</i> Bernie Connell (CIRA) Marcial Garbanzo (UCR) José Gálvez (SRG/NOAA).
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).