

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

						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 Mcidas 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> José Gálvez (SRG/NOAA)	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 Mcidas 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 Mcidas 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).