

Goal

Preparing NMS's forecasters to face the challenges of handling the New Generation of Geostationary Satellites imagery analysis and interpretation

Course developers and trainers:

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María Paula Hobouchian ¹	Pablo Irurzun ²
Martín Rugna ¹	Manuela Sánchez Marino ²
Sebastián Pérez ²	José M. Gálvez ³

Capacity building-NMS Argentina

Cecilia Bacci Inés Donnerstag

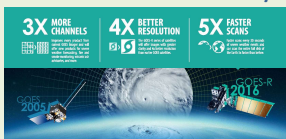
1: Research + Development NMS Argentina
2: Forecasters NMS Argentina 3: SRG/NWS/NOAA

- Access to GOES-16 data through PDA (Product Distribution and Access) system (no reception satellite station installed yet).
- Use of typical RA-III weather scenarios, GOES-16 ABI and GLM data as examples.
- Local examples from Argentina using ABI and MODIS data for RGB products.
- Resources were based on COMET, SPORT; RAMMB-CIRA modules in English and in Spanish.

Part I: e-learning modules developed in Spanish

Module 1

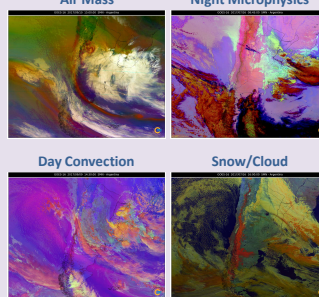
GOES-13 transition to GOES-R/16



	ABI/GOES-R	Imager/GOES-13
Spectral Coverage	16 channels	5 channels
Spatial Resolution		
- 0.64µm VIS	0.5 km	1 km
- Near Infrared / Other VIS	1 km	Not available
- IR bands	2 km	4 km
Temporal Resolution		
- Full Disk	Every 15 min (4 per hour)	Every 3 hours (default)
- South America	Included in Full Disk	Every 30 minutes
- CONUS	Every 5 min (12 per hour)	Every 15 minutes
- Mesoscale sectors	Every 30 seconds	Not available
On-board calibration	Yes	No

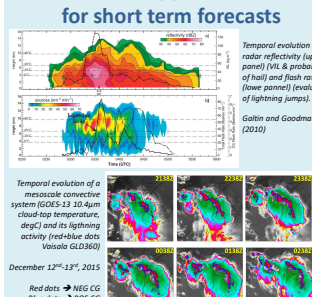
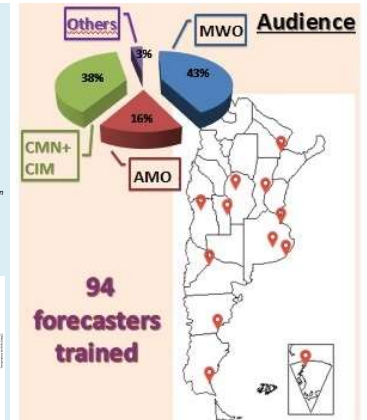
Module 2

RGB compositions



Module 3

Introduction to the GLM sensor and its applications for short term forecasts

Part II: face-to-face Workshop

Workshop: "Analysis of typical situations affecting Southeastern South America"

Invited expert from NOAA: José M Gálvez Local coordinators: Luciano Vidal & Diana Rodríguez
A "research to operation style" focused on the operational handling of the new satellite data and products
NMS-Argentina, Buenos Aires, 21st to 24th Nov 2017

Capacity Building

- Future actions (2018):
- Contribution to Global Campus
 - Coordination with RA-III countries to elaborate a new edition

Training Focal Points

RTC SMN: *Marinés Campos* (*marinescampos27@gmail.com*) & SDR RA-III/IV Training TT: *Estela Collini* (*SHN-SMN*) (*estela.collini@gmail.com*)

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