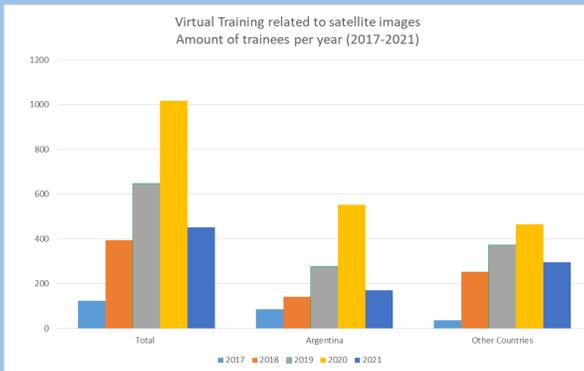


Main achievements

Virtual training related to satellite images (Amount of trainees per year)



Trainees:

Argentina: Around 600 by the year 2020.
Other Countries: Around 500 by the year 2020.

From 2017 onwards, the amount of courses containing satellite material of the New Generation increased as a consequence of the incorporation of new knowledge in that topic. The maximum peak was in 2020 when the level of the contents understanding reached its maturity level.

2021 onwards: Pandemic (decrease of trainers and some technological resources).

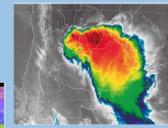
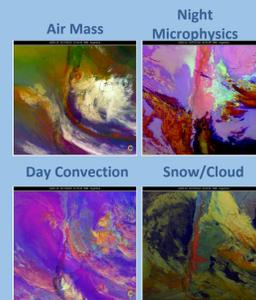
Evaluation of the courses by the students

Very satisfied with:

- Level of the content
- Clarity of the study material
- Sequence and distribution of the activities
- Technical support for queries on the virtual platform.

Trainees'needs: Incorporate more live and/or recorded virtual classes.

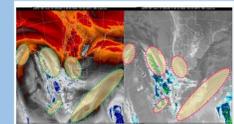
RGB compositions



Band 13: 10.3 μm ("Clean" IR Longwave Window)



FED (GLM) GOES-16 2019-03-04



Turbulence pattern detection using GOES-16

Online courses and resources in Spanish: (2021-2022)

2021

- Fog
- Turbulence detection and forecasting techniques for South America
- Satellite Images
- Weather observations

Technology: Moodle, slides and video

2022 (August-November)

Forecasters Courses (only for SMN staff)

- Operational lighting products and applications (2 Editions)
- Satellite Images (GOES-16)

Satellite resources available at SMN

- GOES-16 Rebroadcast (GRB) (Level 1B) and (level 2)
- PDA (Internet 2)
- GNC-A (Receive Station)
- Amazon (AWS)
- FTP



SMN GOES-16 Antena



SMN (VISUALIZACION SOFTWARE)



GNC-A SMN

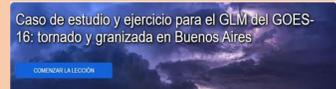


MetEd

Revision of translations

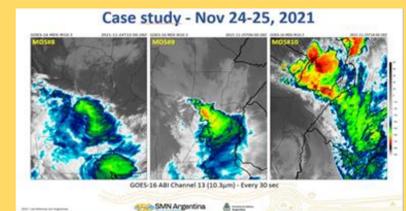


Module: Case study and exercise - GLM GOES-16: "Tornado and hailstorm in Buenos Aires". https://www.meted.ucar.edu/education_training/
 Language: Spanish and English SMN-Argentina and CIMA/CONICET



Participation:

- 2020 WMO RA-III Ecuador Virtual Training on Satellite Applications.
- 2021 WMO Online Course for Spanish Speaking Trainers (From August 2nd to October 8th)
- 2022 VLab & NOAA Train the Trainers Workshop, August, 6th 2022, Madison, Wisconsin, USA.
- SMN-Argentina in the 12° GEONETCast-Americas User Group Webinar.
- Presentation: GOES-16 MDS at the National Meteorological Service of Argentina



Open resources

WORKSHOP and readings of the virtual course GOES-16 - NOAA-SMN- Argentina (2017)

<https://tallergoes16.smn.gov.ar/>

Language: Spanish

SMN-Argentina

Other courses:

<https://sites.google.com/site/crfpar3/home?authuser=0#h.xhentfmxbphy>



The CALMet XIV Conference: "Bringing Together the Best of Online to Learning".

- ✓ Virtual Mode
- ✓ Participation of 259 people from 55 countries.

The programme was grouped as follows:

- Switch classroom to online training
- Multilingual teaching
- Climate Services
- Simulators
- Observations
- Forecasting extreme weather

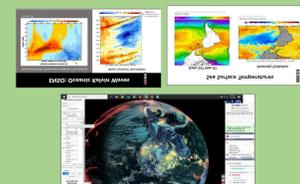
<https://etrp.wmo.int/course/view.php?id=233>



SUCCESS

Regional Collaboration:

- Share resources and training experience (Moodle platform)
- Attendance at monthly meetings of Regional Focus Groups (RFG) encouraging participation to increase the number of attendees.



Future plans: Courses for forecasters (III & IV WMO Region)

Online courses in Spanish

- Operational lighting products and applications.
- Satellite Images (Goes-16)
- Volcanic Ash

Technology: Moodle Platform

Opportunities

CB in the framework of research projects



Science and technology for forecasting floods



Training for forecasters on satellite products of wave height, storm wave and wind over the sea.

Acknowledgements

