Entrenamiento Virtual en Aplicaciones Satelitales para la AR-III de la OMM
Noviembre 2020
Anuncio y Enlace para Registrarse

Escuela Superior Politécnica del Litoral (ESPOL) and the Instituto Nacional de Meteorología e Hidrología (INAMHI) in Ecuador are hosting a virtual satellite workshop in Spanish for participants from the World Meteorological Organization (WMO) South America Region III in November 2020. The training will be on Tuesday, November 10th, Thursday 12th, and Tuesday, Wednesday, and Thursday November 17, 18 and 19. The workshop will cover both GOES-R and JPSS satellite capabilities and data access to support AmeriGEO Societal Benefit Areas (SBA's) and the WMO's Region III forecast challenges. This is a Spanish language only event with no simultaneous interpretation available.

Daily sessions will have an overview of GOES-R and JPSS satellites, their instruments, data, products and tools, and opportunities for hands-on exercises involving local case studies, for participants to use the satellite data for understanding environmental scenarios and making forecasts.

Each day will begin 09:00 AM Ecuador time (ECT) (14:00 UTC) and end 16:45 ECT (21:45 UTC). Because of COVID-19, this is a virtual training workshop. Participants will be required to provide their own computing accommodations.

Registration is required. Because of the virtual nature of the training, there will be a pre-orientation training session to confirm participation, data access, and provide the attendees with case studies and materials ahead of time. Please note that space will be limited and if the number of people registered exceeds the capacity of the webinar, we may implement a selection process to ensure that all South American countries are represented. There is no registration fee for the workshop.

The link to register for the workshop is here.
Deadline to register for the workshop is 23 October 2020.
The link to the current agenda is here on the Workshop information page.

It is strongly recommended that participants complete the following online modules in advance to prepare for the workshop:

- GOES-R Satellites Orientation Course (Curso de orientación sobre los satélites GOES-R). Only three modules are suggested. The Spanish titles of these modules are:
    - GOES-R: beneficios de la observación ambiental de próxima generación
    - El ABI del GOES-R: la próxima generación de imágenes satelitales
    - El GLM del GOES-R: introducción al sensor de rayos geoestacionario

- Suomi NPP: A New Generation of Environmental Monitoring Satellites (Suomi NPP: Una nueva generación de satélites de observación ambiental)

- [Satellite Foundation Course for JPSS (Curso básico de satélites para el JPSS)](). Only four modules are suggested. The Spanish titles of these modules are:
    - Introducción a la teledetección por microondas
    - Bandas de absorción del oxígeno y del vapor de agua
    - Emisividad superficial de microondas
    - Influencia de las nubes y la precipitación.

By the end of the workshop, participants will have a working knowledge of the GOES-R Series and JPSS key instruments as well as develop competency in working with the data and products for weather forecasting, prediction, monitoring or research through hands-on exercises and case studies. A certificate of participation will be provided to participants actively engaged in all sessions.

A summarized version of the agenda is listed below.

Tuesday 10 Nov	**AM**: NOAA and WMO's role in the use of GOES-R Series/JPSS Products and Tools. Satellite products and tools, including GEONETcast **PM:** Hands-on application of GOES-R and JPSS products and tools with regard to Ocean processes such as coastal erosion and waves, using local case studies.
Thursday 12 Nov	**AM:** Applying satellite products and tools to forecast ocean processes such as SST, HAB, Chlorophyll-a, transportation issues, heavy rainfall events. **PM:** Hands-on case studies of ocean products and precipitation during extreme events.
Tuesday 17 Nov	**AM:** Methodologies and best indicators to determine thresholds for levels of warning. Meteorological prediction of short and medium term forecast. **PM:** Meteorology continued forecasting extreme events. Hands-on exercises on the application of satellite tools to construct a weather forecast.
Wednesday 18 Nov	**AM:** Meteorological prediction on urban island influences including land use changes, heavy rain, landslides and volcanic ash **PM:** Continued satellite applications for determination of urban island influences, fog zones, storm zones, cloud differentiation.
Thursday 19 Nov	**AM:** Managing disasters by utilizing satellite information for data in the decision making process. Communicating the Forecast. Weather Ready Nations (WRN) - projects through the Americas **PM:** AmerGEO identification of products for applications in climate, land use changes, desertification, pollution / eutrophication, harmful algae blooms

If you have any additional questions, please contact AJ DeGarmo (albert.degarmo@noaa.gov) or Sherrie Morris (sherrie.morris@noaa.gov).