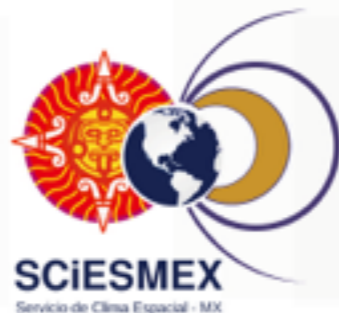


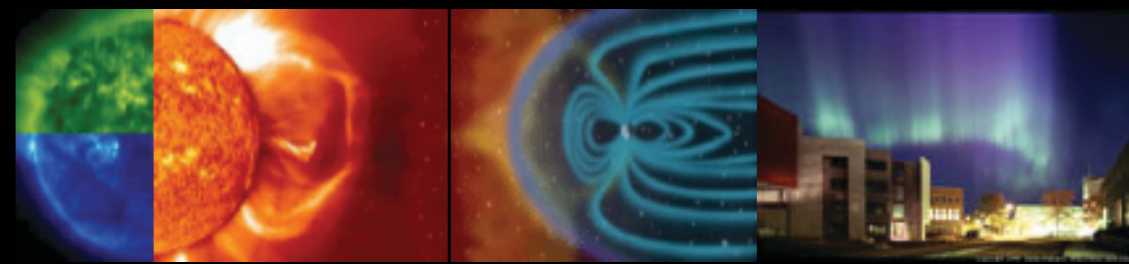
Space Weather Activities in Mexico



UNITED NATIONS
Office for Outer Space Affairs

Committee on the Peaceful Uses of Outer Space: Scientific and Technical Subcommittee, 53rd session





- Modifications to the General Civil Protection Law in June 2014 include specific mentions to outer space hazards and space weather events.
- The Mexican Space Weather Service (SCIESMEX) initiated in October 2014.
- The service is operated by the Geophysics Institute, UNAM, and supported by the AEM and CONACYT.
- In 2015 it was established the “Space Weather Early Alert System” working group at CENAPRED.

<http://www.sciesmex.unam.mx>



sciesmex.unam.mx

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Servicio de Clima Espacial - México

El Servicio de Clima Espacial - México [SCiESMEX] es uno de los servicios que brinda la Universidad Nacional Autónoma de México (UNAM) para coordinar el intercambio de información entre las redes internacionales de Clima Espacial (ISES) y

Tweets

 **SCiESMEX / UNAM MX** 7h
@SCiESMEX

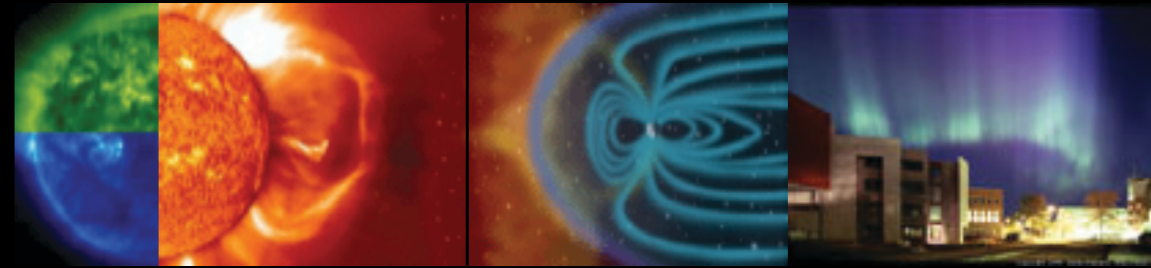
Información de la reunión de la @UNOOSA se puede encontrar Follow #COPUOS + #STSC bit.ly/1LyZPTW

 **SCiESMEX / UNAM MX** 7h
@SCiESMEX

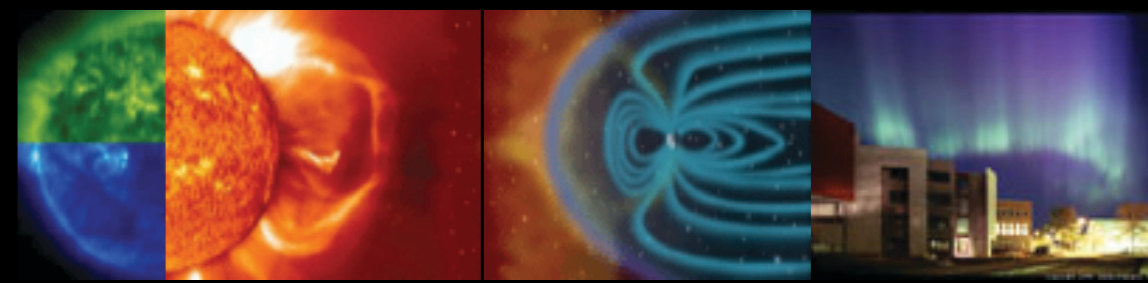
Está iniciando la sesión del comité científico técnico de la @UNOOSA en Viena pic.twitter.com/V08avRBkHDL



Aims



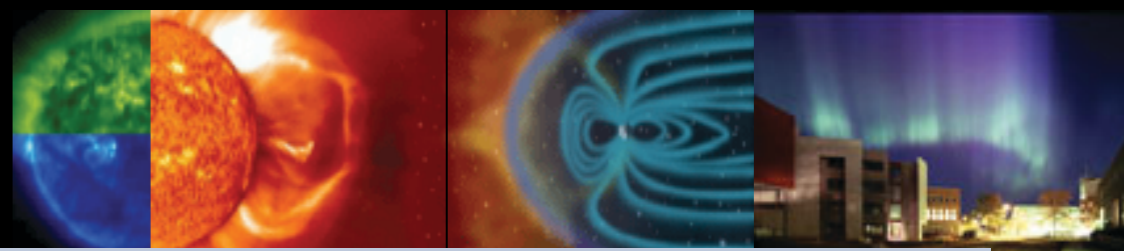
- To emit alerts in social networks to inform to the general public, governmental, private and military dependencies of possible effects on the Earth's environment due to solar activity
- Combine data of the UNAM ground based instruments studying different aspects of the solar-terrestrial relations
- To incorporate our instruments to international networks sharing data in near real time
- Space weather studies within the Mexican territory
- Observations and research in space physics
- To participate in international organizations: ISES, WMO-ICTSW, UNCOPUOS
- Outreach and educational activities

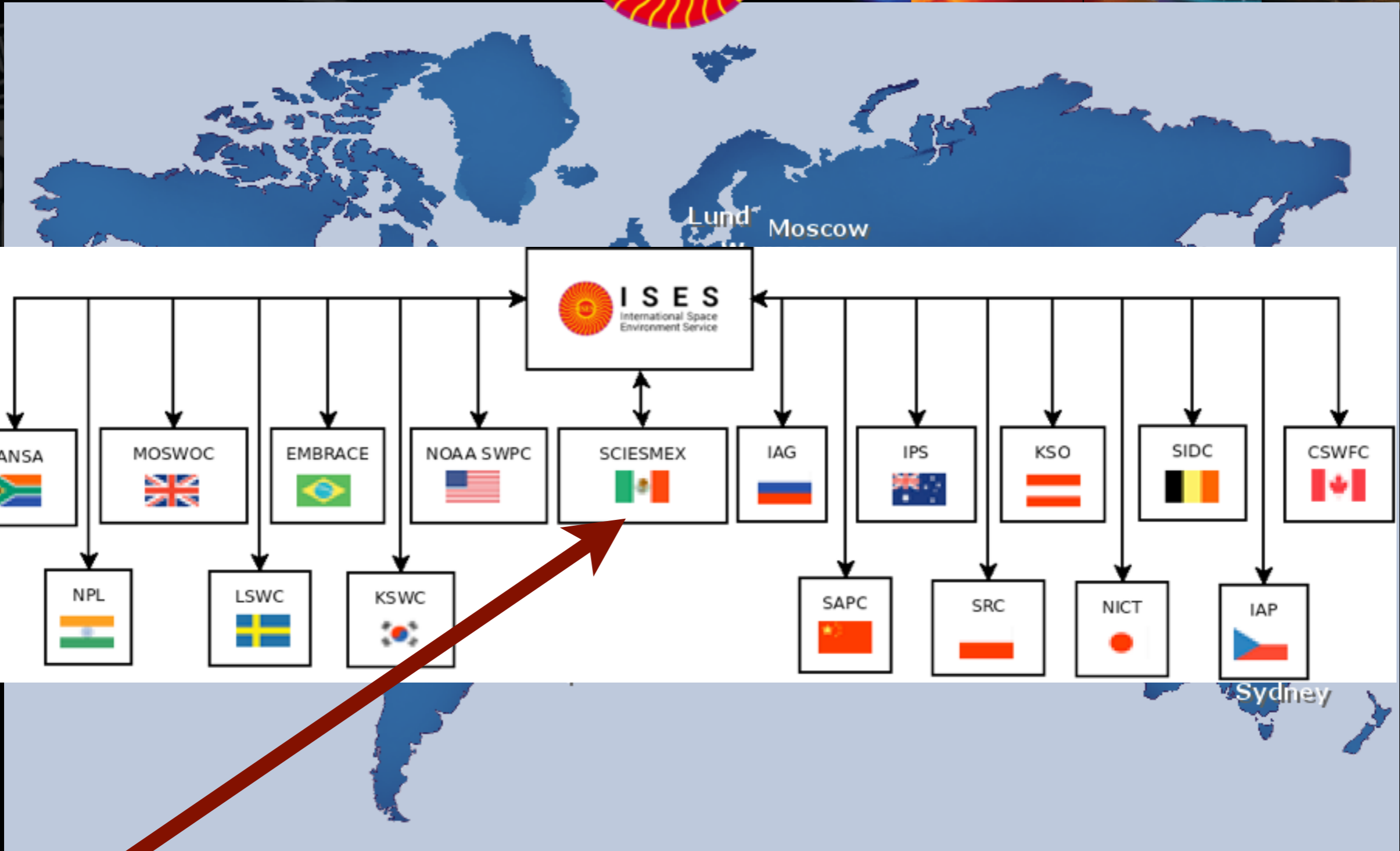


UNAM Current Ground Based Instruments

- MEXART observatory / IPS radiotelescope
- Geomagnetic Observatory
- Cosmic Rays Observatory (Mexico City)
- Global Muon Detector Network (GMDN @ Sierra Negra)
- networks of GPS stations (SSN, TLALOCNet)
- Schumann resonance station (MEXART site)
- Callisto antenna (MEXART site)

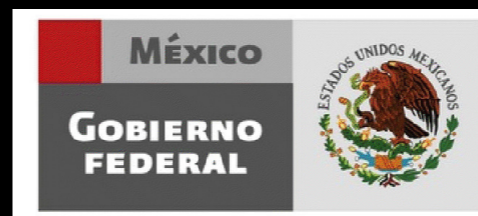
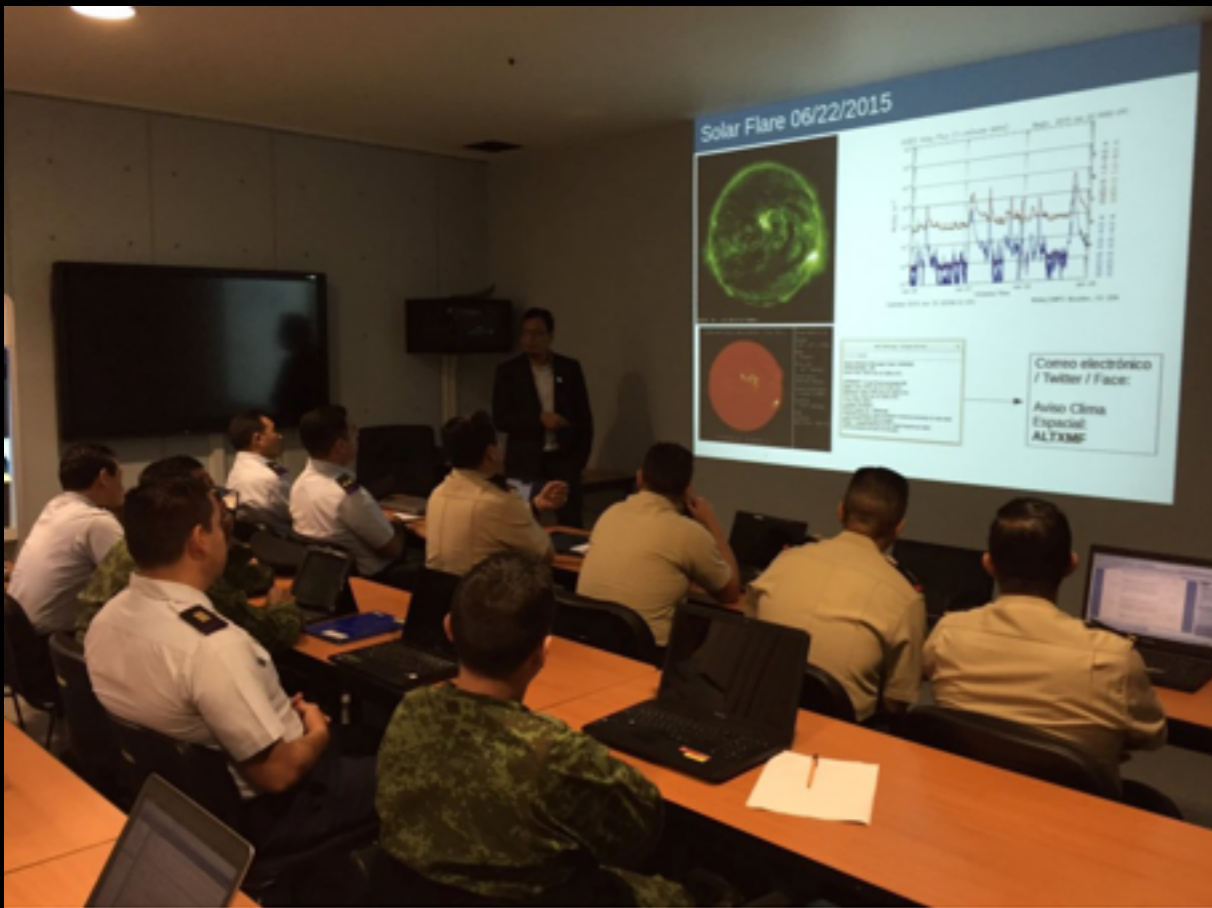
(Virtual Sun-Earth Observatory www.veso.unam.mx)





Products

- Warning system replaying NOAA alerts in real time (translated to Spanish and adapted to the region)
- Weekly summary of space weather events
- Governmental space weather civil protection committee to link SCIESMEX with customers

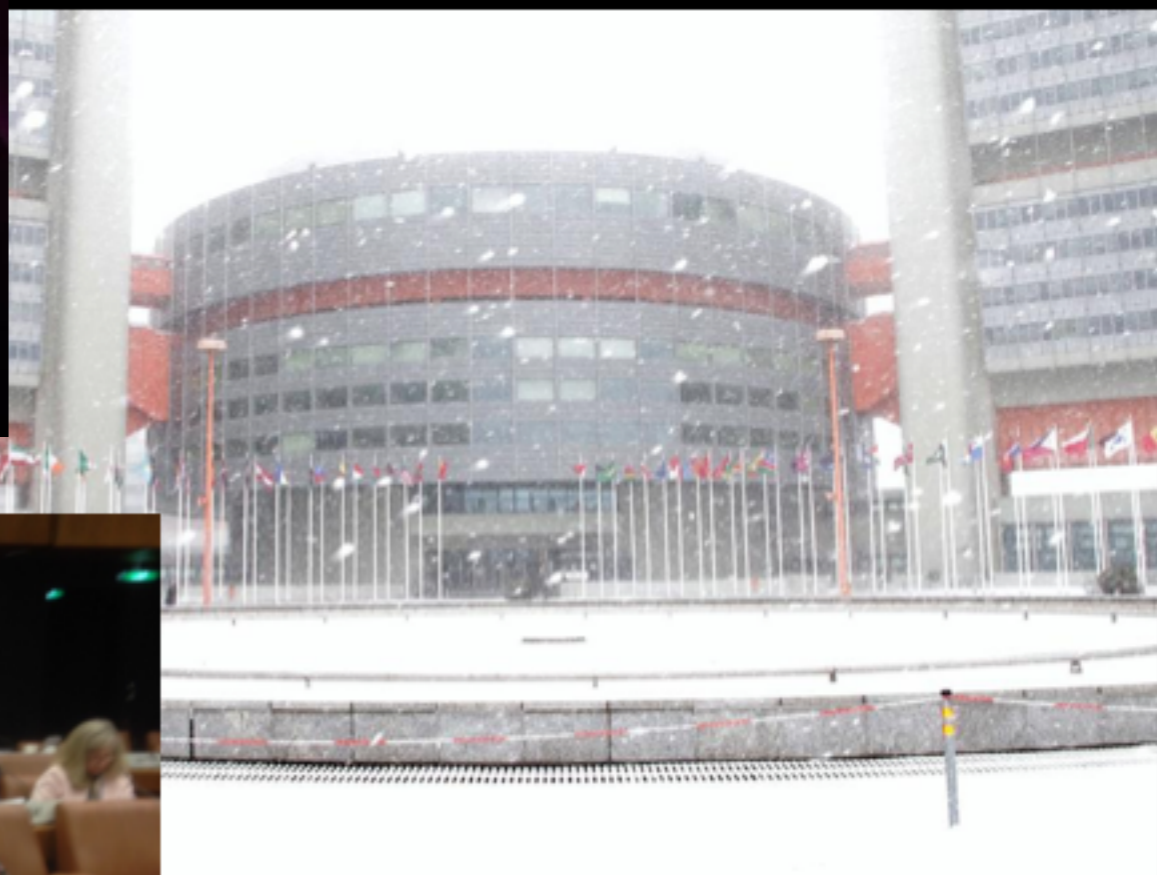
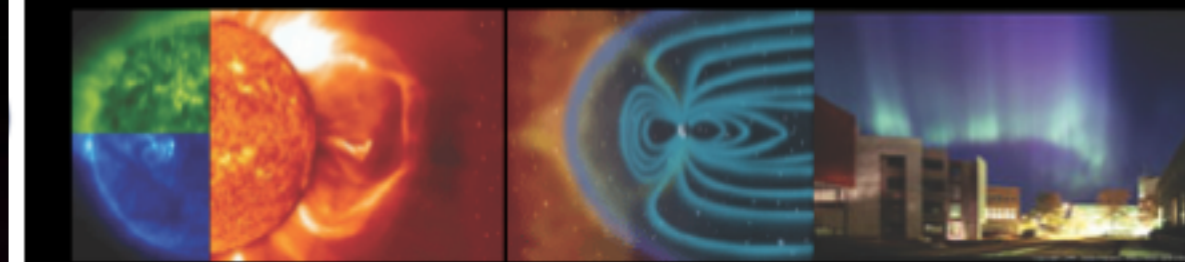


El Centro Nacional de Prevención de Desastres se complace en invitarlo al

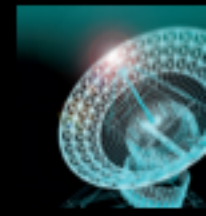
FORO TEMÁTICO SOBRE FENÓMENOS ASTRONÓMICOS

29 de octubre / 9:00 a 12:00 h
Auditorio del CENAPRED / Entrada Libre

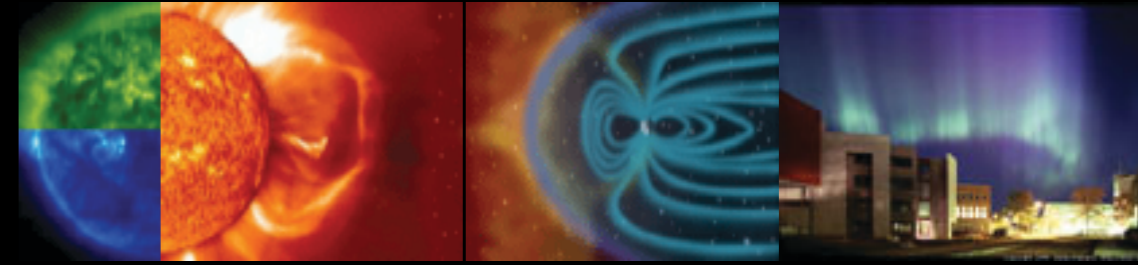
Av. Delfín Madrigal No. 665, Col. Pedregal de Santo Domingo, Del. Coyoacán México, Distrito Federal, CP. 04360
Transmisión en vivo desde www.cenapred.unam.mx



United Nations Committee on the Peaceful Uses of Outer Space (COPUOS) Scientific and Technical Subcommittee (STSC) , February 3, 2015, Vienna International Center



Facebook: SCIESMEX

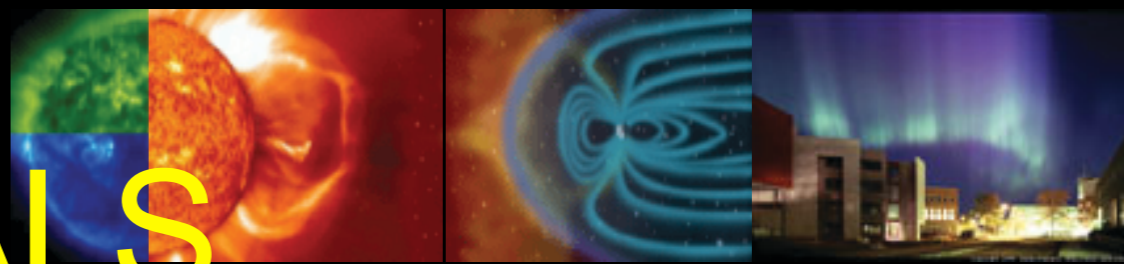


Twitter @sciesmex



activities in social networks

NEXT GOALS



- To study the space weather vulnerability of the electric grid national company
- To develop a network of magnetometers to measure local regional geomagnetic disturbances
- To monitor ionospheric disturbances producing VTEC maps using the GPS networks available
- To strength the international collaborations to produce space weather products (e.g. interplanetary scintillation observations)
- To develop specific products to our Mexican space weather customers



SCiESMEX

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NEWS

Date	2015.06.04	Writer	Admin
Title	Mexico Elected New ISES Regional Warning Center		

Mexico becomes the newest ISES Regional Warning Center!

The Mexican Space Weather Service (Servicio de Clima Espacial Mexicano, SCIESMEX) recently became the Mexican national government supplier of space weather services. This service was initiated in October, 2014. They currently have a number of their own local observations (e.g., magnetometers, GPS, cosmic rays, and solar radio bursts), and they use additional data from ISES partners and other international organizations. They have initial warning/alert products and are working to strengthen ties with regional users. SCIESMEX has strong ties to government agencies with Mexico, and they are represented on the WMO Inter-Programme Coordination Team on Space Weather.

SCIESMEX, as with all ISES centers, is striving to expand and to improve space weather services to address the growing demand locally and globally. We look forward to working closely with SCIESMEX and with the growing space weather community in Mexico.

File

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