



INSTITUTE FOR METEOROLOGICAL TRAINING AND RESEARCH (IMTR)



IMTR is a branch of the Kenya Meteorological Department responsible for Education, Training, Research and Development.

Virtual Laboratory for Education and Training in Satellite Meteorology



VISION:

To train manpower at all levels for sustainable development while maintaining excellent standards in Education, Training and Research in the fields of Meteorology, Climate and Water.

MISSION:

To be a world class scientific institution that provides Education, Training and Research in Meteorological, Hydrological and related fields in the Region

ACHIEVEMENTS IN 2014

- IMTR successfully conducted blended EUMETSAT IMTR – Satellite Applications Course (EISAC).
 - IMTR continued collaboration with Caribbean Institute for Meteorology and Hydrology, with the support of WMO, in development of an online continuing professional development course in Aeronautical Meteorological Forecaster competencies which was held in Morocco.
 - IMTR participated in the development of ASMET 8 on “Using Meteorological satellite and other data to determine the potential of landslides in East Africa.” IMTR attended the ASMET meeting to initialize on ASMET 8 modules in Darmstadt, Germany.
 - IMTR incorporated remote sensing and satellite meteorology in all BIP-M and BIP-MT courses. IMTR is charged with the aim and mandate of training Meteorologists in the region in Remote Sensing and this it has been done by having the subject as one of the core subjects in most of the courses at IMTR.
 - IMTR was involved in weather briefing and weather briefing chat by participating in SAWS Weather briefing presentations and having trainers at IMTR present during the presentation, such as the Sea Breeze case study.
 - Hosting and facilitating a weather briefing chat during the WMO Train the Trainer online seminar, the EI-SAC online course in July 2014 and also during the CALmet Online course in October 2014 for a week.
 - IMTR offered an online lecture on droughts, floods and Landslides which took place on 1st – 4th December 2014. During this event week, an IMTR Instructor presented a Case study on how to monitor and Forecast Landslides and Drought using satellite data.
 - Participation of IMTR’s in the VLab Management Group (VLMG) held in the Russian Federation, in July 2014. The meeting was hosted by the Russian State Hydrometeorological University (RSHU), in the city of Saint Petersburg.
- ACHIEVEMENTS IN 2014

ACHIEVEMENTS 2015

- IMTR successfully conducted blended EUMETSAT IMTR – Satellite Applications Course (EISAC).
- IMTR completed the development of an online Aeronautical Meteorological Forecaster competencies continuing professional development course.
- Commenced Development of a blended course for CDMS.
- Participated in activities of ASMET online.

MAJOR CHALLENGES

- Internet connectivity challenges within the region
- Distance learning has not been fully embraced in the region.
- Technological challenges (communication tools i.e. software like Centra) across the region
- Limited human resource capacity in the instructional design for distant courses.

FUTURE PLANS

- More exchange programmes (visiting trainer placements) at EUMETSAT
- Capacity building in satellite image processing
- Benchmarking exchanges with other CoEs
- Carry out evaluation of the impacts of the EISAC (EUMETSAT-IMTR Satellite Application Course) training on the outputs of the NMHs in the region

INSTITUTIONAL COLLABORATIONS

IMTR collaborates with the following institutions:

IGAD Climate Prediction and Applications Centre (ICPAC); EUMETSAT; University of Nairobi; South Eastern Kenya University; UNESCO-IOC; UNEP; CIMH; COMET; UKMO; Coffee Research Foundation;

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