**INTERNATIONAL DISTANCE TRAINING COURSE ON
THE BASIC PRINCIPLES OF SATELLITE REMOTE-SENSING
22 June to 3 July 2020, Beijing, China**

PRELIMINARY COURSE INFORMATION

The International Distance Training Course on The Basic Principles of Satellite Remote-sensing will be organized by China Meteorological Administration Training Centre (CMATC), which is also designated as WMO Regional Training Centre in Beijing (RTC-Beijing), sponsored by China Meteorological Administration (CMA).

Courses Description

The course is aimed to enhance the trainees' basic knowledge and skills in the interpretation of meteorological satellite data, and the application of products in supporting weather analysis, weather forecasting, environmental monitoring and disaster risk management. Trainees will be expected to improve the capabilities of data acquisition and assimilation, utility of satellite monitoring system, as well as the ability in satellite remote-sensing application.

Course Content

The training course includes:

1) Satellite cloud imagery recognition and interpretation;
2) Satellite Weather Application Platform (SWAP) and Satellite Monitoring Analysis Remote-sensing Toolkit (SMART);
3) Case study on satellite products application in disaster mitigation and prevention;
4) Introduction to the latest development of Fengyun satellites and the application of FY products, especially the geostationary satellite products.

Expected Learning Outcomes

By studying the online courseware, participants will be able to:

1) apply the basic theory and principles of radiation to the interpretation of meteorological satellite imagery and products;
2) access, select, display and manipulate satellite data;
3) carry out weather analysis and forecasting by using meteorological satellite imagery and data;
4) use Satellite Weather Application Platform (SWAP) and Satellite Monitoring

Analysis Remote-sensing Toolkit (SMART) which will cover laboratory practice for torrential rain and strong convective weather monitoring, wild fire monitoring, and drought monitoring;

5) have a better understanding of the Fengyun (FY) satellites and the current and future products of geostationary satellite products such as wind profiling radar (WPR), cloud spectral image, lightning image observation, space weather monitoring.

Course Format

The distance training will be delivered via online courseware and discussion.

Target Audience

Officials, specialists, forecasters engaged in satellite meteorology and disaster risk management at National Hydrological and Meteorological Services or equivalent institutions.

Instructors

Senior experts from CMA, National Meteorological Satellite Centre, CMATC etc.

Language

The course will be conducted in **English**.

Application and Participation

1) Please visit *http://mooc.cmatc.cma.cn/course/view.php?id=32&isStay=true&lang=en* and create your own account. Use *CMATC2020* as the enrollment key to get access to the course.

2) Please note that the applicants should register for the course no later than **15 June 2020.**

3) The participants are required to finish all the courseware and quiz. Each participant who has completed all the training course will be issued a digital certificate of the participation by CMATC/WMO RTC-Beijing.

4) Please pay attention to the training website for updated information.

5) The distance training course is free of charge.

Contact

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