

**Climate applications training course**

Serhat Sensoy<sup>†</sup>; M. Demircan; A.B. Bille; F. Kaya

<sup>†</sup> World Meteorological Organization (WMO), Switzerland

Leading author: [adelju@wmo.int](mailto:adelju@wmo.int)

The World Meteorological Organization (WMO) Commission for Climatology (CCI), over the years, has been engaged in a variety of training activities towards enhancing the capacity of NMHSs in various aspects of climate activities. Upon CCI XV Resolution 11, CCI Management Group (MG) decided to establish an Expert Team on Strategy for Capacity Building for Climate Services (ET-SCBCS). The importance of capacity building has been highlighted in the conference Statement of WCC-3, which recommended capacity building to be included as a key component of the Global Framework for Climate Services (GFCS). WMO and Turkish State Meteorological Service jointly organized a training course on climate applications in WMO RTC, Alanya Facilities, from 07-11 June 2010. About 20 participants from 12 countries attended to this course. The course aim was enhancing knowledge and experience of professional staff in operational climatology, climate research and applications. The scope of the courses includes theoretical and practical aspects for understanding the climate system and methodologies for climate analysis and applications. Focus made on climate observations, climate data sets, monthly and seasonal climate analyses, annual climate assessment, climate classification, climate indices, heating and cooling degree days, climate change assessment and projections. Tools such as GIS and its use in climate applications have also been addressed. Course brought together the participants in different kinds of social events. According to questionnaire filled out by the participants, majority of them found quality of the course and organizations are very good and quality of the training facilities is excellent. They expressed that they want to apply knowledge, practices, technique and tools to their services when they return to their countries. Another climate applications course has been planned on 10-19 October 2011 in WMO RTC Alanya, Turkey. This time beside the first course's topics, regional climate modeling and overview of WMO publications relevant to climatology also added to the course content. Training is one element of the capacity building. In the future different kind of the capacity building issues will be coordinated by ET-SCBCS which they will be contributed also on GFCS implementation and to create science based state-of-the-art climate products for the specific sectors.