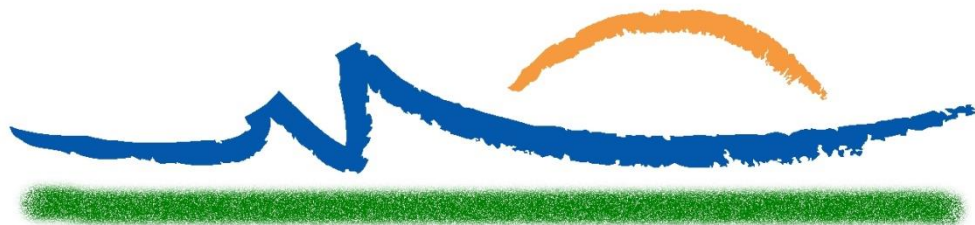


MMC *Madrid* 2016



METROLOGY FOR METEOROLOGY AND CLIMATE

Report

The Metrology for Meteorology and Climate Conference of 26-29 September 2016, MMC 2016, has been a success that surpassed the previsions. The number of participants and their worldwide provenance, the scientific content of the presentations, the number of satellite events and more in general the program itself, all of those made MMC 2016 a relevant event in the panorama of the conferences on measurements for Climate. Participants to MMC 2016 unanimously recognized the conference in having well scored the scope of mixing in a harmonized balance metrology with meteorology, climate and environmental sciences. After the first edition of 2014 in Brdo, Slovenia, the 2016 conference was held in Madrid, in conjunction with the WMO TECO World conference and the World meteorological Expo. The importance of metrology for meteorology and climate was fully recognized also during the TECO session. The WMO 2016 conference was in fact opened by a keynote speech by Andrea Merlone, also in his role of CCT TG ENV Chair, with a lecture on thermal metrology activities for climate, followed by Michael de Podesta, TG ENV Member with a speech on the impact of the new definition of the kelvin. Merlone was also present in the opening podium, together with the chairs of WMO commissions. The first two scientific sessions of TECO were all about metrological aspects in meteorology and weather observations. MMC hosted a number of satellite events starting with the ENVRIPlus meeting, allowing metrologists to interact directly with the environmental research infrastructure (ENVRI) community. On 28 the workshop "Soil moisture measurement: challenges in calibration and metrological traceability" allowed in-depth discussions on how to progress the state of the art in soil moisture measurements and calibrations. Metrologists and CCT TG ENV members took part in other meetings in their roles of experts in teams of WMO Commission of Instruments and Methods of Observations (CIMO). Another key event was organized at CEM on 29: the MeteoMet plenary meeting, where the scientific progress of the project was presented and discussed among the members, most of them coming from the temperature metrology community. The Conference was closed with the announcement of the next MMC. MMC 2019 will be held in conjunction with Tempmeko and Tempbeijing, where the meteorology and climate community will be invited to join a relevant thermal metrology event, with special sessions on MMC topics. This will clearly represent the MMC vision of bridging the two communities from both respective sides.

MMC 2016 presentations are now available to download from the website of the MeteoMet project <http://www.meteomet.org/index.php/docs>. A selected number of papers is being considered for publication in a special issue of Metrologia.