



HOLD THE DATE: 12 - 13 FEBRUARY 2020 INTERNATIONAL WORKSHOP ON METROLOGY NEEDS FOR CLIMATE AND OCEAN OBSERVATION

A workshop hosted by the [European Metrology Network for Climate and Ocean Observation](#) will be held at the [National Physical Laboratory](#) (NPL), Teddington, UK from 12 to 13 February 2020. This workshop will prioritise activities and associated resources for metrological research to support needs identified by the community, building on the results of a survey that will be launched in October 2019.

The European Metrology Network for Climate and Ocean Observation

Observations from in situ sensors, networks and satellites, and their transformation into bio- and geophysical quantities such as the essential climate variables (ECVs) and essential ocean variables (EOVs), are the basis of the environmental information services used for societal and commercial applications.

Metrology, the science of measurement, can provide a critical role in enabling robust, interoperable and stable observational records and can aid users in judging the fitness-for-purpose of such records. In addition to GCOS monitoring principles, metrology's value, and the role of National Metrology Institutes (NMI) in observations, has been recognised in initiatives such as the Quality Assurance Framework for Earth Observation (QA4EO) established by CEOS and in the implementation plans of WMO's Global Atmosphere Watch and the European Ocean Observing System.

The European Association for National Metrology Institutes (EURAMET) has recently created the "European Metrology Network for Climate and Ocean Observation" to support further engagement of the expert communities with metrologists, particularly those at NMIs, and to encourage Europe's metrologists to coordinate their research in response to community needs. The EMN has a scope that covers metrological support for insitu and remote sensing observations of atmosphere, land and ocean ECVs (and related parameters) for climate applications. It also covers the additional economic and ecological applications of ocean EOVS observations. It is the European contribution to a global effort to further enhance metrological best practice into such observations through targeted research efforts.

Survey and workshop

The workshop is aimed at those making or using observations of the atmosphere, land or ocean, using in situ and remote sensing techniques.

The EMN's first year aim is to create a prioritised list of community needs. A survey will identify potential areas for improved services and collaborative research between observational experts and measurement scientists; this [survey is available online here](#) and will be open until December 2019. The 'long-list' of stakeholder needs will be made available in early January 2020 and will be the basis of a workshop held at the National Physical Laboratory, Teddington, UK, on 12 - 13 February.

To be made aware of the survey and to find out more about the workshop, please register for our newsletter list at: www.euramet.org/climate-ocean. For further information: ClimOcNet@euramet.org.

Register for the workshop at: <https://climateandoceanobservation.eventbrite.co.uk>