



Operational EUMETSAT Satellite Products and Services for Oceanography: Status and Outlook

EUMETSAT, the European Organisation for the Exploitation of Meteorological Satellites, has further expanded activities on oceanography on a global scale over the last decade in addition to support for meteorology, environment and climate monitoring. To this end, EUMETSAT operates satellites and data processing systems, including Ocean and Sea Ice Satellite Application Facilities, to provide services which are of high value to ocean monitoring and prediction. Current EUMETSAT programmes, as well as the European Copernicus programme of which EUMETSAT is a delegated entity, provide operational observations of sea and sea ice. The EUMETSAT marine portfolio includes surface temperature, ocean vector winds, sea surface topography, sea ice parameters, ocean colour and other key marine products. We will review recent innovations in the EUMETSAT stream of marine satellite data, from the Sentinel-3 constellation, the Sentinel-6 Michael Freilich mission and the EPS/ASCAT mission. Upcoming and planned missions and evolutions responding to the needs of users for ocean monitoring and prediction will be presented. The presentation will also give examples of product applications for high-latitudes, coastal and other user benefits.

Dr Estelle OBLIGIS, EUMETSAT