



TERMS OF REFERENCE

Junior Professional Officer (JPO) Associate Scientific Officer (Satellite) P2

Organizational Unit: Infrastructure Department

Responsibilities:

Under the supervision of the Head of Space Systems and Utilization (SSU) Division, supporting the Infrastructure Commission Standing Committee on Earth Observing Systems and Monitoring Networks, working closely with the WMO Regional Associations and under the overall guidance of the Director, Infrastructure Department, the incumbent will be engaged with WMO matters related to the reception, processing and utilization of satellite data and products from the space-based component of the WMO Integrated Global Observing System (WIGOS), coordinating the use of the data and products for downstream services and for education and training. The incumbent will perform the following duties:

Position Specific Responsibilities:

(a) Enhance awareness of WMO Members and National Meteorological and Hydrological Services (NMHSs) on the availability and utilization of Earth observation satellite data, products and services, including those from research and development (R&D) satellites for Earth system monitoring applications including weather, climate, water and other relevant environmental areas;

(b) Promote the WMO Space Programme education and training activities in the exploitation of satellite data and products throughout WMO Programmes including:

- Maintaining the user requirements for satellite remote sensing data and products as well as training across WMO Regional Associations.
- Supporting the implementation of the education and training component of the WMO Space Programme Implementation Plan for the progressive adaptation of the contents of training events as well as the further development of the Virtual Laboratory (including the incorporation of basic tools for remote sensing applications);

(c) Cooperate with WMO Members to develop common basic tools for improving the utilization of Earth observation data.

(d) Serve as a focal point, on matters related to satellite data product development and utilization, across WMO technical departments and all WMO supported programmes;

(e) Mobilizing internal and external expert teams for the development of application area specific position papers on satellite data requirements;



- (f) Support coordination and monitoring of the introduction of the Integrated Global Data Dissemination Service;
- (g) Review and update, as necessary, the WMO Space Programme Web resources and including maintaining their consistency with the information contained within the Virtual Laboratory for Education and Training in Satellite Meteorology (VLab);
- (h) Support coordination with external satellite-related organizations and international initiatives (including the Coordination Group for Meteorological Satellites (CGMS), the Committee on Earth Observation Satellites (CEOS), the Group on Earth Observations (GEO), as required;
- (i) Keep abreast of international developments by collecting, assembling and analyzing relevant documents on current satellite issues including data access and availability and the technical programmes of satellite operators;
- (j) Carry out other relevant duties as required.

Qualifications:

Education: Master's degree or equivalent in meteorology, physics, mathematics, geology, geography or geophysics, or a closely related field.

Experience: At least three years of combined national and international progressively responsible experience in operational or research in Earth system monitoring using satellite data and products, with an emphasis on meteorology and/or climate, including the development of remote sensing applications from space-based instruments and user outreach. Proven experience in international scientific cooperation, quality management, data formats and data dissemination and exchange. Practical experience in education and training in the use of satellite data in meteorology, climate, water or environmental monitoring at a recognized training centre is preferred.

Language: Excellent knowledge of English (both oral and written). Knowledge of other official languages of the Organization would be an advantage.

(Note: The official languages of the Organization are Arabic, Chinese, English, French, Russian and Spanish.)