



TERMS OF REFERENCE

Junior Professional Officer (JPO) Associate Scientific Officer (Snow and ice hydrology) P2

Organizational Unit:

Services Department (S)/ Hydrology, Water and Cryosphere Branch

Responsibilities:

Under the overall guidance of the Director of Hydrology, Water and Cryosphere Branch, the incumbent will perform the following duties:

- (a) Support the implementation of the WMO Plan of Action for Hydrology in close coordination with the Hydrological Coordination Panel, the Research Board, the Infrastructure and Services Commissions as well as other partners/organizations, in particular the International Hydrology Program of UNESCO, ICSU and IUGG;
- (b) Work with Regional Associations to make sure regional scientific hydrological requirements are the basis of regional hydrological roadmaps, including science to operations action area of WMO's 8 long-term ambitions in hydrology;
- (c) Co-organise regional science to operation hydrology capacity building and information events/material/webinars;
- (d) Showcase, through scientific evidence, the value of uptake of new scientific findings into observing, monitoring and modelling tools related to operational hydrology and cryosphere;
- (e) Initiate and coordinate outreach activities; conduct training workshops and seminars; make presentations on agreed topics/activities;
- (f) Prepare briefing notes, presentations, statements and other inputs for engagements by senior management team on hydrology, water and cryosphere issues; and
- (g) Carry out other relevant duties as required.

Qualifications:

Education: Master's degree or equivalent in hydrology, water resources, hydrometeorology, physics, environmental sciences, engineering or a related field. A PhD degree would be advantageous.

Experience: At least three years of progressively responsible experience. Good knowledge/experience in hydrology, water, cryosphere, solid background in the area related. Solid record of research and application activities. High sense of integrity, responsibility, and maturity of judgment; ability to work autonomously; good level of initiative and creativity; demonstrated ability to plan, organize and manage multiple workloads; ability to draft reports, and position papers clearly and succinctly.

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.)

Learning Elements:

On completion of the assignment, the JPO will have:

- Complete WMO mandatory trainings.
- Deep understanding of hydrology, water and cryosphere knowledge and skills, focus on cryosphere.
- Demonstrate strong oral and written communication skills, and opportunity to attend UN language training organized by UNOG.
- Carry out the main activities in support of the hydrology, water and cryosphere work programme processes, and understand the challenges of related scientific work related to snow and ice hydrology, especially cryosphere topics in a multicultural environment of an international specialized UN Organization.
- Develop and maintain relations with various stakeholders and develop networks with considerable insight into hydrology, water and cryosphere areas.