

Job Description for Professional Posts

Reference:NA2024/17

Position and Grade:	Associate Project Officer (Fusion Science Outreach), P2
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Organizational Unit:	Physics Section Division of Physical and Chemical Sciences
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Duty Station:	Vienna
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Type/Duration of Appointment:	FT – JPO, 1 year with possibility of extension
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Organizational Setting

The Department of Nuclear Sciences and Applications implements the IAEA's Major Programme 2, "Nuclear Techniques for Development and Environmental Protection". This Major Programme comprises individual programmes on food and agriculture, human health, water resources, environment and radiation technologies. These programmes are supported by laboratories in Seibersdorf, Monaco and Vienna. The Major Programme's objective is to enhance the capacity of Member States to meet basic human needs and to assess and manage the marine and terrestrial environments through the use of nuclear and isotopic techniques in sustainable development programmes.

The Division of Physical and Chemical Sciences is responsible for assisting and advising Member States in research and development for the nuclear sciences, especially the physical and chemical sciences. Specifically, the Division provides support to Member States in the following fields: production of radioisotopes and radiolabelled products for applications in health care and industry; radiation source applications; research reactor utilization; applications of accelerators and nuclear instrumentation; nuclear and atomic data for applications; controlled nuclear fusion and isotope hydrology and geochemistry.

The Physics Section is responsible for planning and implementing activities in the areas of (1) effective utilization of research reactors, (2) fostering relevant research and development and applications using particle accelerators and related instrumentation, and (3) plasma physics and fusion, in order to enable Member States to avail themselves of the benefits of nuclear sciences and technologies. It operates the Nuclear Science and Instrumentation Laboratory, located at the Agency's Laboratories in Seibersdorf, which assists laboratories in Member States to improve the effective utilization of nuclear spectrometry and related instrumentation by providing technical advice, training, calibration services, assistance with the modification and development of nuclear instruments and with new applications of nuclear spectrometry techniques in various fields, including energy related applications, environmental monitoring, industry, and the study of cultural heritage objects.

Main Purpose

As a member of a team led by the Section Head, Associate Project Officer (Fusion Science Outreach) provides direct support to the activities developed and implemented in the area of outreach, public engagement, knowledge transfer and information dissemination in fusion research and plasma physics.

Role

The Associate Project Officer is: (i) a planner and coordinator, developing, organizing and implementing activities in the area of outreach, public engagement, knowledge transfer and information dissemination in fusion research and plasma physics, including liaising with partners internally and outside the Agency; and (ii) a technical writer, producing outreach, dissemination and e-learning materials relating to fusion research and plasma physics.

Partnerships

The Associate Project Officer (Fusion Science Outreach) coordinates with internal and external partners, including IAEA Programme managers and Communication and Outreach Offices on cross-cutting topics and initiatives in the area of outreach, public engagement, knowledge transfer and information dissemination in fusion research and plasma physics.

Functions / Key Results Expected

- Under the direct guidance of the Section Head:
 - Plan and implement activities in the area of outreach, public engagement, knowledge transfer and information dissemination in fusion research and plasma physics to meet IAEA programmatic objectives;
 - Produce outreach, dissemination and e-learning materials relating to fusion research and plasma physics, covering both private and public initiatives.
- Within the scope of relevant projects, initiate, plan and conduct meetings for Member States to review and discuss the status and progress achieved to overcome challenges related to fusion research and plasma physics. Undertake studies and comparative assessments of various specific issues and present conclusions, recommendations, lessons learned, etc.
- Coordinate/liaise with external institutions and partners, including general public; gather, maintain and apply knowledge of international good practices and future trends in the subject area.
- Contribute to the development of documents and technical reports on important aspects of project activities related to fusion research and plasma physics, and update IAEA publications, e-resources and databases in the subject area.

RESTRICTED**Competencies and Expertise (do not revise or edit)**

Core Competencies		
Competence	Occupational Role	Behavioural Indicator
Communication	Individual Contributor	Communicates orally and in writing in a clear, concise and impartial manner. Takes time to listen and understand the perspective of others and proposes solutions.
Achieving Results	Individual Contributor	Takes initiative in defining realistic outputs and clarifying roles, responsibilities and expected results in the context of the Department/Division's programme. Evaluates his/her results realistically, drawing conclusions from lessons learned.
Teamwork	Individual Contributor	Actively contributes to achieving team results. Supports team decisions.
Planning and Organizing	Individual Contributor	Plans and organizes his/her own work in support of achieving the team or Section's priorities. Takes into account potential changes and proposes contingency plans.

Functional Competencies		
Competence	Occupational Role	Behavioural Indicator
Analytical Thinking	Associate	Gathers and analyses information, identifying critical relationships and patterns among data and proposes workable solutions.
Technical/Scientific Credibility	Associate	Acquires and applies new skills to remain up to date in his/her area of expertise. Reliably applies knowledge of basic technical/scientific methods and concepts.

Expertise	
Expertise	Description
Communication/ Outreach	Good knowledge of communication and outreach in the area of nuclear sciences and their applications, preferably in the area of nuclear fusion. Experience in development of outreach and information dissemination materials, including public engagement.

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Education, Experience and Language Skills

- University degree in communication, outreach, international relations or related field.
- Course certificate or secondary diploma in natural sciences, nuclear physics or engineering is an asset.
- Minimum two years' experience in outreach and communication with relevance to nuclear sciences and applications with proven ability to participate effectively in a multinational and multidisciplinary team with sensitivity and respect for diversity.
- Experience in technical writing in English for producing and reviewing documents in the subject area; Fluency in spoken and written English. Knowledge of any other official IAEA language (i.e. Arabic, Chinese, French, Russian or Spanish) would be an advantage.