



2015-IPR-E8-FGIV-5673

**FG IV Technical support officer -  
Strategic trade analysis  
and non-proliferation studies**

**Position for:**

**FG IV Technical  
support officer**

The **Nuclear Security Unit** provides enabling research, technology, instruments, technical services and training for **nuclear safeguards, non-proliferation and nuclear security**, including the verification of treaties and agreements, to inspection agencies, States and operators. Activities range from nuclear non-destructive analysis and process monitoring to containment and surveillance, verification and detection technologies, including the proliferation assessment of new reactor systems, border monitoring and the specialist analysis of open-source information and satellite imagery.

The selected candidate will work in the areas of 1) **strategic trade analysis of dual use goods** and of 2) **open source information collection and analysis for nuclear non-proliferation**.

The work to be carried out will include:

- Trade analyses on strategic goods in support to non-proliferation, IAEA nuclear safeguards, and to inform EU policies for export controls and EU outreach activities in third countries.
- Research and development on strategic trade analysis techniques. Contribution to the design of information technology tools to host, structure, visualise and present trade data by commodities, geopolitical areas, regulations and export guidelines on strategic trade.
- Contribution to non-proliferation studies based on open source information and technical analysis with a focus on scientific/technical aspects.
- Contribution to the development of tools and methodologies for open source information collection.

**Qualifications and requirements**

Candidates must have a **PhD or at least 5 years of research experience after the first degree giving access to doctoral studies** in a technical discipline preferably **nuclear engineering** or **physics**.

The following requirements are essential:

- Work experience in the field of nuclear non-proliferation or in a closely related area
- Experience with the analysis of large data sets
- A good understanding of the nuclear fuel cycle technology

Domain knowledge in strategic trade, e.g. export control regimes, is an advantage.

An excellent level of English and writing skills are required.

<b>Institute/Directorate</b>  <b>Unit</b>	Institute for Transuranium Elements (ITU)  Nuclear Security Unit (E.8)  Further information: <a href="https://ec.europa.eu/jrc/en/institutes/itu">https://ec.europa.eu/jrc/en/institutes/itu</a>
<b>Indicative duration</b>	12 months initial contract with possible renewals up to maximum 6 years
<b>JRC Site</b>  <b>Country</b>	Ispra  Italy
<b>Rules and eligibility</b>	<p><b>The candidate must be on a valid EPSO reserve list for Function Group IV contract staff or have applied to the permanent open call for researchers FG IV:</b></p> <p><a href="https://ec.europa.eu/jrc/en/working-with-us/jobs/vacancies/function-group-iv-researchers">https://ec.europa.eu/jrc/en/working-with-us/jobs/vacancies/function-group-iv-researchers</a></p> <p>Auxiliary contract staff:  <a href="https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/contract-staff-members">https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/contract-staff-members</a></p> <p><i>Please note that due to the high number of applications received only shortlisted candidates will be contacted.</i></p>