



EUROPEAN COMMISSION

JOINT RESEARCH CENTRE

**2021-IPR-E4-FGIV-017128**

**FG IV – TECHNICAL OFFICER – SCIENTIFIC  
RESEARCH - SECURITY AND PROTECTION OF  
PUBLIC SPACES**

**POSITION FOR:**

Member of the contract staff FGIV – art. 3b of the Conditions of Employment of Other Servants  
<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CONSLEG:1962R0031:20110101:EN:PDF>

**WE ARE:**

As the science and knowledge service of the Commission, the mission of DG Joint Research Centre is to support EU policies with independent evidence throughout the whole policy cycle.

The JRC is located in 5 Member States (Belgium, Germany, Italy, the Netherlands and Spain). Further information is available at: <https://ec.europa.eu/jrc/>

The current vacancy is in the Directorate for Space, Security and Migration. Its mission is to focus on emergency preparedness, disaster risk management and resilience in cases of natural and human-made hazards. It covers the fight against crime and terrorism, including combatting the illicit trafficking of people, drugs and weapons; it focuses on cyber security, data protection and space infrastructures as well as the use of communications data by security and intelligence agencies. It also includes certain technical aspects relating to the implementation of Treaties and Conventions on the non-proliferation of nuclear, chemical and biological weapons. It studies the implications of demographic change and analyses the root causes, likely scale, timing and impact of migration. It will also serve the Foreign and Security, Humanitarian Aid and Civil Protection, Human Rights, Justice and Home and Institutional Affairs policy areas including the perspective of the emerging Digital Single Market.

The vacancy is within Safety and Security of Buildings Unit, which has the task of performing research on security, safety and efficiency of physical infrastructures and their critical elements to create harmonized guidelines for better European competitiveness in the building sector. The Unit conducts research on the protection of public spaces against explosions, vehicle ramming, derailing and other malicious acts. It is involved in the policy cycle of the European Security Union through close cooperation with scientific networks and policy DGs, publication of guidance material, and participation in the standardization process of security products. The post is located in Ispra, Italy.

More details can be found at

<http://ec.europa.eu/dgs/jrc/index.cfm?id=5790>

<https://ec.europa.eu/info/sites/info/files/communication-eu-security-union-strategy.pdf>

**WE PROPOSE:**

The job we propose is as a scientific technical officer who will conduct and coordinate research in the area of security and protection of public spaces from terrorist attacks with particular emphasis on risk management and protection.

The job encompasses both scientific-technical work and project management tasks. The jobholder will be expected to develop strategies and simulation tools to identify risk patterns using spatial and statistical data analytics and machine learning approaches in support of security operators and urban administrations for the protection of public spaces. The jobholder will be expected to contribute to guidelines and technical reports as well as to network with policy DGs and relevant stakeholders towards the dissemination of the research and the conceptualization of new areas of policy and research related to the protection of public spaces. It is a position that offers the opportunity to participate and contribute to shaping the Commission's policies in the field in line with the EU Security Union Strategy and the Counter-Terrorism Agenda for the EU.

**WE LOOK FOR:**

The job requires a scientific-technical background in a field relevant to the described job as for

example engineering, data science, security analytics or risk assessment.

The ideal candidate must have a Master's degree. A Master's degree in a field relevant to the call (engineering, data science, security analytics, risk assessment) with a PhD is considered as an advantage.

At least two years of working experience in a relevant field including risk assessment, vulnerability assessment, protection, and/or security analysis is a must.

Experience in simulations of terrorist effects on public spaces or experience in the risk assessment or the protection of public spaces will be considered an advantage.

Experience in machine learning, cloud computing and automated information mining and the knowledge of a programming language like Python will also be considered an advantage.

The candidate must demonstrate written and oral communication skills, the ability to communicate technical information to both scientific audience and to policy makers or non-experts, as well as a proactive attitude to networking. Relevant publications, reports and presentations will be considered an advantage

A Very good knowledge of English language (B2) both written and spoken is essential.

**INDICATIVE CONTRACT'S DURATION:**

36 months initial contract with possible renewals up to maximum 6 years.

**PLACE OF WORK:**

Ispra (IT)

**RULES AND ELIGIBILITY:**

To be eligible for the position, the candidate must be on a valid EPSO reserve list for Function Group IV contract staff.

You can be added to an EPSO reserve list if you complete successfully an EPSO selection procedure.

Candidates who are on a valid EPSO reserve list or have applied to an EPSO selection procedure can apply to this specific position through <http://recruitment.jrc.ec.europa.eu/?type=AX>.

**How to apply to an EPSO selection procedure?**

Apply either to the permanent EPSO call (CAST Permanent) [https://epso.europa.eu/documents/2240\\_en](https://epso.europa.eu/documents/2240_en) or a specialised call for researchers <https://ec.europa.eu/jrc/en/working-with-us/jobs/vacancies/function-group-IV-researchers>

The CAST Permanent reserve list is used by a wide range of organisations (institutions, bodies, offices and agencies of the European Union), whereas the specialised reserve list for researchers (JRC Call COM/1/2015/GFIV – Research) is mainly used by the JRC.

**RECRUITMENT POLICY:**

The JRC

- Cultivates a workplace based on respect for other people and the environment.
- Embraces non-discriminatory practices and equality of opportunity. In case of equal merit, preference will be given to the gender in minority.