EUROPEAN COMMISSION

JOINT RESEARCH CENTRE

2021-IPR-E7-FGIV-017310

FG IV - PROJECT OFFICER – JRC OBSERVATORY OF CRITICAL TECHNOLOGIES – TECHNOLOGY RESEARCHER

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 with the Knowledge for Security and Migration Unit, of the Space, Security and Migration Directorate. The mission of the Unit is to support EU policies for security, space and defence by mapping, collating and analysing state-of-the-art scientific knowledge, methods and tools for the respective policy areas. Anticipating relevant trends and needs through foresight, identifying knowledge gaps, indicating potential synergies across research funds and investments, mapping industrial ecosystems and co-designing R&D roadmaps are all parts of Unit work.

The JRC took a major long-term commitment to set up and lead the new EU Observatory of Critical Technologies foreseen by the Action Plan on synergies between civil, defence and space industries (COM(2021) 70). The Unit is tasked to lead and coordinate both JRC's and stakeholders' contributions to the Observatory, and will execute some technical work itself. The Observatory will identify critical technologies common to civil, defence and space industries, and will provide regular monitoring and analysis of them, their potential applications, needed research and testing infrastructure, their value and supply chains, the desired level of EU control over them, and existing gaps and dependencies in the context of EU strategic autonomy. In consultation with key stakeholders such as other Commission DGs, ESA, EDA and industry, the Observatory will regularly produce a report on the above issues. Based on these reports, technology roadmaps will be developed to stimulate cross-fertilisation between civil, defence and space industries for critical technologies**.**

WE PROPOSE:
The specific job mainly involves assessment of critical technologies, as well as involvement in the coordination of the stakeholders' activities.

The job will cover the technologies angle of the Observatory, in particular assessments of criticality, emergence and impact of technologies in the context of EU strategic autonomy in space, defence and security. It involves in-depth analysis of potentially critical technologies, assessing maturity level, identifying potential synergies across sectors in development and use of technologies, identification of emerging and disruptive technologies, foresight work such as horizon scanning, and analysing research programs and projects for relevant technology developments. Technologies and technology areas may extend across electronics and digital, informatics, communications, manufacturing, aeronautics, health, energy, mobility, artificial intelligence, robotics, autonomous systems and biotechnologies.

The job includes collecting and exploiting data / statistics / information from official, commercial open sources; liaising with internal and external policy makers, analysts, experts and stakeholders; organising workshops and seminars; helping design and improve processes and methodologies; defining work for contractors; and drafting reports. The successful candidate will be part of a multidisciplinary team of scientists, engineers and economists. Outputs of the work will take the form of added content to databases and (contributions to) reports.

WE LOOK FOR:
University degree (at least master's level) in science, engineering, industrial production, statistics, or other relevant technological discipline (e.g. operations research). Work experience of at least 3 years in relevant technology development or analyses for the private or public sector (e.g. hi-tech industrial sector, critical infrastructures, R&D and innovation, work in the space, security or defence industries etc.). Previous research or work experience specifically in defence, space, security, or supply chain risk management or in techno-economic analyses for strategic industries or in management consultancies would be an asset. Knowledge of EU policies in defence, industry or research is useful.

Very good writing and communication skills in English (at least C1 level), hands-on analytical skills such as with statistical and data visualisation tools, the capacity to work autonomously and proactively, the ability to manage relationships with stakeholders and partners both inside and outside the EU institutions, are all necessary. Project management experience is a bonus. Flexibility and capacity to work under time pressure are indispensable

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 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.