



2016-IPR-F-000-7710

**Geographical visualisation of risk factors
associated with cancer**

<p>Position for:</p> <p>Trainee</p>	<p><u>Short description of activities:</u></p> <p>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.</p> <p>The JRC is located in 5 Member States (Belgium, Germany, Italy, the Netherlands and Spain). Further information is available at: http://www.jrc.ec.europa.eu</p> <p>Since 2013, one of its research departments is addressing priority activities such as nutrition, healthcare quality and health information on rare diseases and cancer.</p> <p>With regard to the latter, the JRC is facilitating and coordinating the creation of a cancer information system for Europe. Support to, and cooperation with the European Network of Cancer Registries (ENCR) will be the key towards improving the quality, reliability and comparability of cancer data. The comparison of data via epidemiological analysis will be used to steer public health policy making and will provide an evidence base for understanding the effectiveness of cancer diagnosis, treatment and follow-up.</p> <p>Together with the reliable cancer estimates produced at the JRC, a new visualisation tool is being developed in-house to display geographically appealing cancer statistics. Relevant information to display geographically includes data at the European level on exposure to individual environmental risk factors that have been correlated to cancer incidence or mortality; therefore the need to identify existing datasets in Europe on cancer-associated risk factors, relevant routes of exposure and their geographical visualisation.</p> <p>In this context, the tasks assigned to the successful candidate would include:</p> <p>Revision of the list of major risk factors associated with different cancer types (IARC's list of carcinogens to humans – group 1) with</p>
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particular focus on their availability for geographical visualisation.

Contribution to the identification of examples in the literature of data visualisation tools for cancer-associated risk factors and data variables required.

Contribution to assess the availability at European level of the variables required for the geographical display of cancer risk factors above. Contribution to identification of available data sets on environmental/occupational monitoring programs of carcinogens in different European areas, and contribution to proposals on how these data could be displayed in the visualisation tool.

The candidate will support the JRC team dedicated to the project and he/she will have the opportunity to learn how epidemiological and IT competences are applied in the public health field, and in particular in the context of a European project encompassing the collaboration with many research networks and stakeholders. The project is coordinated by JRC in a very open and international environment, with many contacts with most of the communities working in the field.

Qualifications:

Essential:

The candidate should have a background and/or interest in: cancer biology, environmental exposure or epidemiology.

Ability to work in a multi-national team, creativity, consensus-building skills, positive spirit and capability is important.

A good level of English is required for the post (level B2).

Advantage:

An interest and background in medical science, biostatistics, public health or similar discipline is desirable.

Competence in IT sciences (website development, databases) is an asset.

For general eligibility requirements, please read the rules governing the traineeship scheme of the JRC:

<https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/jrc-trainees>

Directorate Unit Project	JRC.F F.1 Health in Society Unit HARCAS Further information: https://ec.europa.eu/jrc/en/research-topic/public-health https://ec.europa.eu/jrc/en/network-bureau/european-network-cancer-registries
Indicative duration	5 months
Preferred starting date	As soon as possible
JRC Site	Ispra
Country	Italy
<u>JRC contact details</u>	For any technical problems with your application, please contact: JRC-ESRA@ec.europa.eu