



## **Job Vacancy with Remote Sensing Applications Consultants Ltd**

- Job Title:** Remote Sensing Specialist
- Location:** ESA ESRIIN, Frascati, Italy (on-site)
- Availability:** Full-time from May 2024, initially until May 2026

Remote Sensing Applications Consultants Ltd (RSAC) is a small company based in the UK with 35 years' experience providing specialist services to developers and users of Earth Observation. For over 20 years, RSAC has placed staff in a team providing scientific and technical support to ESA's Earth Observation programmes within the Climate Action, Sustainability and Science Department at its establishment in Frascati, Italy.

We have a vacancy for a remote sensing specialist to support ESA's activities related to education and training in Earth Observation.

### **Role:**

The successful applicant will play an important role in developing ESA's Earth Observation training programmes, targeting students, researchers and young professionals in particular. They will provide support for external contracts and projects for EO education and be directly involved in preparing, maintaining and distributing materials for training events based on data from the Copernicus Sentinel and 3<sup>rd</sup> Party Missions, ESA software (e.g. SNAP) and freely available tools (e.g. Jupyter Notebooks, QGIS), and the most up-to-date exploitation methods. Courses range from in-person events to webinars, MOOCs (Massive Open Online Courses) and e-learning events.

The role is performed in close collaboration with a wide variety of teams and experts, within ESA and from other international institutions.

### **Main Tasks:**

- Providing general support for ESA Earth Observation education and training programmes, including in cooperation with the ESA Education Office
- Supporting users of ESA software
- Supporting the update and maintenance of ESA educational websites and platforms
- Reviewing new EO educational material

In relation to training events:

- Supporting the planning, organisation, promotion and execution of face to face and virtual courses
- Curating, preparing and maintaining training course materials
- Preparing and delivering instructional presentations and supervising practical exercises
- Providing technical support for course setup and execution
- Gathering and compiling feedback from training participants

In relation to external contracts and projects:

- Supporting the definition of requirements and terms of reference
- Reviewing deliverables (training materials, packages)
- Contributing to progress meetings and reviews

**Qualifications:**

- A University Masters degree in Environmental Sciences, Geography, Physics, Remote Sensing or similar
- In-depth knowledge of optical and radar remote sensing principles and image analysis techniques
- Experience in processing EO data for a variety of applications (especially land applications)
- Experience in customer-facing roles, teaching and in the organisation of events
- Familiarity with GIS analysis techniques
- Programming skills using a range of languages and tools (e.g. Python, RStudio, Jupyter Notebook, Github, Javascript)

**Other skills:**

- Fluent English (written and spoken), with additional European languages an asset
- Proven presentation skills
- Good technical writing skills
- Experience in cloud computing and machine learning/AI advantageous
- Experience in project management: organisational skills and ability to independently prioritise work
- Pro-active approach to problem identification and resolution
- Ability to communicate well and work in international multi-disciplinary teams

**Contact:**

For further information, contact Tim Pearson at [tim@rsacl.co.uk](mailto:tim@rsacl.co.uk).

To apply, send a CV and covering letter to [tim@rsacl.co.uk](mailto:tim@rsacl.co.uk).

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