



Environmental Research & Assessment (ERA) Ltd. is a small company specialising in environmental management and GIS mapping, established in Cambridge in 1998 initially with a focus on the polar regions. Increasingly, ERA has been undertaking work in Africa, including Liberia, Guinea, Uganda, Madagascar, South Africa, Nigeria and elsewhere. We have worked with clients and partners from the commercial and NGO sectors, principally in support of Environmental Impact Assessments, and also in other conservation-related projects. This work has developed to the stage where we now seek to appoint a motivated person with a strong background in the environmental / biological sciences and with excellent GIS / Remote Sensing skills to play a lead role in the further development of our projects in Africa.

The focus of the role is to assess and monitor ecological problems and changes in Africa, for example in tropical forests and / or grassland or desert habitats, using Remote Sensing and GIS. Our aim is to provide policy-relevant information that will contribute to the protection of ecosystems and to the sustainable development of communities located in these regions. The position requires development of new initiatives in this field, and first tasks are to prioritise needs and identify opportunities for practical and viable projects. The role will involve initiating those projects, preferably in partnership with other organisations or companies with shared goals and complimentary skills.

In tandem with this work, the successful candidate will be closely involved in the EIA work we have been carrying out in Africa and also contribute to our portfolio of Antarctic work.

Attributes sought in candidates for the position are:

### **Qualifications**

- A degree in the environmental, biological, or ecological sciences to Honours / Masters / PhD level (or equivalent) with a high level of attainment;
- A postgraduate qualification or several year's project experience in the application of Remote Sensing and GIS.

### **Expertise & skills**

- A high level of knowledge of African ecosystems, with practical experience working in this region carrying out projects involving ecological assessment using Remote Sensing and GIS tools;
- Understanding of key environmental issues in Africa, including international initiatives designed to address problems;
- Demonstrated ability to secure project funding;
- Project management experience in a commercial environment, including time & budget management;
- Competence in using ArcGIS (v.9.x onwards), including processing and manipulation of a wide variety of spatial data, building databases, spatial analysis, 3D visualisations & map production;
- Experience in Remote Sensing techniques, such as classification, feature extraction and image analysis using ERDAS Imagine software or equivalent;
- Ability to write / present results and reports in fluent English.

### **Personal**

- Self-motivated and enthusiastic, with an ability to work independently;
- Good analytical skills and ability to think critically;
- An innovative and rigorous approach to practical problem-solving;
- Excellent interpersonal skills with the ability to work as a key member of a small team;
- Commitment, reliability and efficiency, with good organisational skills and time management;
- Ability to assess and prioritise tasks effectively to accomplish projects to deadlines;
- Adaptability, flexibility and willingness to learn and acquire knowledge / skills as required.

## Vacancy

## Environmental GIS / Remote Sensing Specialist



The position is initially offered as a one-year contract, although it is anticipated that with the establishment of successful projects there will be potential for renewal. International travel may be required for fieldwork, collaborations, workshops etc. depending on project needs.

Starting remuneration would be in the range of £25-30K depending on qualifications and experience, with annual leave of 30 days per year. Applicants **must** be eligible to work in the UK. The proposed start date is mid to late January 2011.

Applications should be submitted as soon as possible and no later than 17:00 **Wednesday 22 December 2010, including:**

- A **letter of application** explaining your interest in the position and why you feel that you would be suited to the post;
- An **up-to-date CV** setting out your qualifications and experience;
- An **example of a recent project** you have undertaken that you consider demonstrates your ability to apply the skills called for in the job description given above, such as a thesis, article, report, database, or similar. Please contact us if impractical to email.

Applications are to be submitted by email.

Should you wish to find out more about the opportunity please don't hesitate to contact:

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Advertised: Tuesday 07 December 2010