Analytics Officer

"In the past century FFI has consistently saved species from extinction and protected habitats from destruction. Their solutions have always been practical, efficient and sustainable in local circumstances."

Sir David Attenborough,
FFI Vice-president

Fauna & Flora International

Fauna & Flora International (FFI) saves species from extinction and habitats from destruction, while improving the livelihoods of local people. Our guiding principles are to work through local partnerships, act as a catalyst for change, make conservation relevant, and base decisions on sound science. Founded in 1903, FFI is the world's longest established international conservation body; our conservation work, and impact, spans the globe.

Cross-cutting Programmes

At Fauna & Flora International (FFI) we believe that the only way to effectively protect our natural world in the long term is by working with others, and particularly with those who live and work closest to the threatened species and ecosystems we are striving to protect. Partnership is therefore at the very heart of our organisation and is central to everything we do. We work collaboratively with a huge range of people and groups – from communities, governments, NGOs and businesses based locally, to international organisations, corporations and multilateral bodies.

We also believe good conservation decision-making depends on good information. Baseline biodiversity surveys, monitoring transects, household surveys, groundwater sampling points, habitat maps, satellite images, camera trap photos, aerial videos and underwater sound recordings; conservation data is as diverse as the nature it seeks to understand. These data are also fundamental to FFI's Mission. In working with our partners we seek to harness information like this to understand the local situation, ecologically and socially, and to help inform landscape-level approaches.

Working with Business for Conservation

FFI will work with companies that are committed to effective biodiversity management and conservation. Potentially, almost all that an extractive or development operation does will have some possible impact on biodiversity. Such impacts are not limited to endangered or threatened plants and animals but include the impacts on ecosystem services and functional processes at the landscape level. Through spatial approaches we support partners to understand the biodiversity contexts of their operations, their potential impacts and identify opportunities to mitigate their actions and strengthen the management of biodiversity and ecosystem services.

The Opportunity

FFI is seeking an Analytics Officer to join our Extractives and Development Infrastructure (EDI) team on a temporary cover contract. You will have graduate qualifications in Geographical Information Systems (GIS), or alternatively significant experience in applied GIS with a degree in life sciences, environmental studies or other relevant subject. Practical experience in applied statistics, remote sensing, programming and/or webGIS would be an advantage. With an interest in conservation, you will ideally have experience in spatial and temporal analysis of wildlife, conservation or environmental issues. With strong numerical, writing and organisational skills, you will be highly motivated, show initiative and have the ability to work both independently and as part of a team.

Although a member of the Extractives and Development Infrastructure team, you will also work across FFI's portfolio of conservation programmes, supporting the use of GIS for conservation planning and science applications throughout the organisation to assist FFI to further achieve its mission and communicate its achievements. You will also be willing to pitch in with more administrative elements of work, as required. This position is based in FFI's headquarters in Cambridge, UK.

In return, the role offers the opportunity to work within a ground-breaking and entrepreneurial organisation, at the forefront of global conservation. In addition, FFI offers a generous pension contribution, attractive annual leave allowance and life insurance. Our offices are located in The David Attenborough Building in central Cambridge, just a few minutes' walk from glorious historic buildings and museums, the picturesque River Cam, the central market and shopping centre, and a host of cafés and restaurants.

Terms and Conditions

Start Date:	As soon as possible
Duration of Contract:	This is a temporary position and will terminate on or before 7 February 2022 on the return of the Analytics Officer
Probation Period:	Three months
Salary:	£24,000 - £26,000 per annum dependent on skills and experience
Location:	Fauna & Flora International, Cambridge (Some remote working may be considered)
Benefits:	25 working days annual holiday entitlement plus Public/Bank Holidays and any normal working days that fall between 24th December and 31st December inclusive, during which time FFI UK offices are closed.
	FFI currently provides a pension contribution of 2% of salary after 3 months' continuous employment, rising to 8% of salary after the completion of 6 months' continuous employment, or following completion of probationary period, whichever is the later.
	FFI also provides Group Life insurance for all staff on Cambridge-based contracts, currently set at a benefit of 4 x basic salary.
Hours of Work:	This is a full-time position, working Monday to Friday from 9.00am to 5.30pm, with a one-hour lunch break.

Job Description

Job Title: Analytics Officer, Cross-cutting Programmes

Reporting to: Senior Technical Specialist, Analytics

Key Relationships: Analytics Officer
Knowledge Management Officer
EDI team
Programme and Project staff of key workstreams

Purpose:
To provide technical delivery of Analytics support to EDI and cross-cutting projects, and support the development of cross-cutting Analytics capacity through:
- Geospatial and other data analyses, associated reporting and data visualisation
- Contribution to the development of FFI spatial tools
- Improvement of field collection processes and standards of data management
- Development and maintenance of central resources, including training materials, data and software
- Support technical knowledge exchange between regional programmes internal communities of practice on spatial approaches, conservation technology and methods

Specific Duties:

Analytics support to Extractives and Development Infrastructure and regional projects
- Provide geospatial support including, for example, land use change analysis, habitat mapping, risk/impact assessments, ecosystem service modelling
- Integrate data (e.g. GPS, field observations, aerial photographs, survey data) obtained from field projects into geospatial formats
- Compile, maintain, and distribute geospatial data to support projects' conservation aims
- Create maps for reporting, proposals and external communication pieces
- Contribute to the development of models and tools using ESRI and/or other relevant open source software (e.g. Google Earth Engine, R)
- Contribute to report document writing and undertake desk-based research on key areas of work as required to support project delivery and development
- Participate in discussions and presentations within the EDI team, central and distributed FFI conservation programmes, and with partners and external stakeholders

Development of FFI Analytics capacity
- Collaborate and lead on the development of training materials and assist delivery of internal training in data management, software, tools and methods
- Play a lead role in the curation and development of FFI ArcOnline platform
- Coordinate deployment/installation of software and support to users
- Engage with regionally-distributed FFI Analytics practitioners, to facilitate knowledge exchange via internal (e.g. Yammer, MyFFI, Teams) and external (e.g. WildLABS) community platforms. Act as a site editor for the Conservation Tech and Analytics MyFFI sites, to include management of the site's content and permissions (in conjunction with team members)
- Assist in the development of new projects and collaborations for the Analytics team

- Liaise with the Communications team to develop web-based GIS applications to support external communication goals
- Provide advice or support to Regional teams and other cross-cutting teams, as required
- Keep up-to-date with developments in conservation and geospatial tools and methods
- Support strategic review of software and infrastructure

General
- Contribute to monitoring of Analytics cross-cutting work via the project tracker
- Participate in discussions and presentations within the EDI team, central and distributed FFI conservation programmes, and with partners and external stakeholders as appropriate
- With agreement of the line manager, perform other administrative and technical activities tasks that may be requested from time to time that are appropriate to skills and experience, including broader representation of FFI and its programmes

Person Specification

	Essential	Desirable
Skills	- Demonstrable command of ESRI software (ArcGIS Pro preferable to Desktop v10x) and extensions, including spatial analyst - Proven geospatial data acquisition, data management and manipulation skills - Able to break-down, understand and explain complex problems - Strong organisational and time management skills - Advanced skills in standard computer applications, including MS Excel or Access - Fluency in English - Good report writing skills - Strong communication skills, to both technical and non-technical audiences - Networking and collaborating skills	- Competence in other spatial software's such as QGIS, remote sensing software, spatial planning and decision support tools - Experienced with statistical spatial analyses or modelling in, e.g. landscape ecology and ecosystem services - Intermediate programming skills in, e.g. Python, SQL, IDL or JavaScript
Knowledge and experience	- Degree or equivalent level qualification in GIS, or alternatively a degree or equivalent level qualification in life sciences, environmental studies or other relevant subject with significant experience in GIS - Proven relevant experience in geospatial analysis, preferably for conservation and/or land management purposes - Familiarity with general environmental, ecological and biological processes	- Good understanding of international conservation and of the NGO sector - Sound statistical knowledge/use of software packages - Understanding of biodiversity threats and impacts
Behavioural qualities	Strong, demonstrable commitment to conservation	

	• Ability to show initiative, to work independently and as part of a team • Reliability and efficiency • Ability to assess and prioritise tasks effectively to accomplish projects to deadlines • Willingness to learn and acquire knowledge/skills as required • Commitment to FFI's mission	
Other	• Entitlement to work in the UK • Ability and willingness to travel	

FFI Values

Values underpin who we are and how we act. Just as values shape who we are as individuals, they define us as an organisation, creating the culture of success for which FFI is renowned. Our people exemplify our shared values, which are interconnected and interdependent:

- We act with integrity

- We are collaborative

- We are committed

- We are supportive & respectful

- We get things done

How to Apply

Applications, consisting of a covering letter explaining why you feel you should be considered for this post based on the specification above, a full CV (tailored to the role as advertised, highlighting relevant experience and achievements) and contact details for two referees (who will not be contacted without your permission) should be sent to analytics@fauna-flora.org

Please mark your application '**Analytics Officer, Cross-cutting Programmes'**.

The closing date for applications is **Sunday, 17 January 2021**. Interviews are likely to be held remotely between **21 and 27 January 2021**. Candidates selected for interview will be contacted by email or telephone – please specify your preferred method of contact in your covering letter and indicate where you saw the position advertised.

Regrettably, due to limited resources and the high number of applications we receive, we are only able to contact short-listed candidates. If you do not hear from us within four weeks of the closing date, please assume that you have not been successful on this occasion.

Applicants with Disabilities

FFI encourages applications from individuals with a disability who are able to carry out the duties of the post. If you have special needs in relation to your application, please contact Jade Bedwell, HR Officer, FFI, on Tel: +44 (0)1223 749044 or Email: jade.bedwell@fauna-flora.org.

FFI values diversity and is committed to equality of opportunity