## BGCI Vacancy Announcement

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| **Title of post:** | GIS Officer - Conservation |
| **Job Purpose:** | To produce Area of Habitat maps for tree species |
| **Reports to:** | Conservation Manager |
| **Contract Type:** | Full-time |
| Duration: | 18 months |
| **Location:** | BGCI Offices, Kew, London; Hybrid, UK Based (at least working 1 day in office per week) |
| **Remuneration:** | £27,000 |

### Position Summary

BGCI is seeking to appoint a GIS Officer with expertise to support the delivery of a project to generate Area of Habitat maps for tree species. This role will involve the development and implementation of a workflow to generate Area of Habitat maps for trees, that will feed into the Species Threat Abatement and Restoration (STAR) metric, contributing underlying data to update the global biodiversity hotspots. This GIS Officer will work closely with the Conservation Prioritisation team at BGCI and liaise with external partners, to develop a robust methodology, design data pipelines, manage data storage, data validation and workflow implementation.

### About BGCI

Botanic Gardens Conservation International (BGCI) is a membership organisation and a global network for plant conservation located in Kew, London with regional bureaux in China, Kenya, Singapore, and the USA. Our membership comprises over 800 botanical institutions working in plant conservation - botanic gardens, arboreta, NGOs, restoration organisations, government, and universities - in over 120 countries all around the world. We work with this extensive network of members, and the wider conservation community, to use our collective knowledge and hands on expertise to reverse the threat of extinction facing plants and to secure plant diversity for the well-being of people and the planet.

BGCI coordinates efforts to enhance regional networking and scale up technical networks by facilitating, coordinating, and supporting the consolidation and functioning of botanic garden networks. The Global Tree Assessment assessed the conservation status of the world’s ~58,000 tree species for the IUCN Red List. During the assessment process, geospatial information was produced to accompany each assessment. There is now the opportunity to incorporate Area of Habitat maps for trees into the Species Threat Abatement and Restoration Metric (STAR), for mapping biodiversity hotspots.

### Detailed Position Description

BGCI is recruiting a **GIS Officer** to support the development and implementation of Area of Habitat maps for tree species.

We are looking for a GIS Officer who will work on the following:

1. **Scoping for Area of Habitat mapping**
   * Work with the Conservation Prioritisation team to define tree species to be included in the workflow
   * Review existing point and polygon maps for trees
   * Compile information on current Area of Habitat methodologies, including liaising with other groups, to determine the most appropriate workflow for producing Area of Habitat maps for tree species, learning from the implementation of other groups such as mammals, birds, freshwater species etc.
2. **Development of a methodology for producing Area of Habitat maps**

* Incorporate scoping research into the design of a methodology

1. **Testing and reviewing of the methodology**

* Implement workflow and liaise with partners to validate the outputs for a representative sample of species
* Refine methodology based on findings

1. **Producing Area of Habitat maps for trees**

* Implement methodology to generate Area of Habitat maps.

1. **Support for Global Tree Assessment project**

* Undertake tasks related to the Global Tree Assessment that need immediate attention
* Contribute to technical and other reports, fundraising and publications

### Person Specification

BGCI is seeking to appoint a person with proven track record of delivering GIS projects with experience in spatial analysis and data manipulation. The post holder will demonstrate expertise in designing and implementing scripts for GIS analysis.

##### Education and/or Experience

#### Essential

* At least 2 years’ experience in using ESRI products, particularly working knowledge of ArcGIS Desktop and extensions such as Spatial Analyst, Image Analyst as well as other ESRI software, or similar, combined with a keen interest in the application of GIS
* Proven experience in scripting for processing of geospatial data in SQL, Python and/or R
* Experience in data conversion, database management, workflow development, data analysis and reporting
* Eligibility to work in the United Kingdom

##### Skills and competencies

#### Essential

* Working knowledge and experience with ESRI geodatabase schema and behaviour, as well as an understanding of relational databases and SQL
* An understanding of the definition, projection, and application of different coordinate systems for both vector and raster datasets in ArcGIS
* Highly detail-oriented and with demonstrated ability to understand spatial data and relationships
* Logical approach to problem solving
* Interest in and understanding of biodiversity conservation issues
* Flexibility in changing approaches in response to feedback

**Desirable**

* Experience in working with spatial information for plants
* Excellent written communication skills
* Proficiency in Microsoft Office Suite, including Word, Excel, Teams, PowerPoint, SharePoint

### Application Process

If you are interested in this role, please send us your CV and a cover letter (two pages maximum), explaining your motivation for the role and providing examples and evidence of how you are suitable for the position.

Please send your CV, cover letter, and Equal Opportunities Monitoring Form to [info@bgci.org](mailto:info@bgci.org)

The Equal Opportunities Monitoring Form can be downloaded from <https://www.bgci.org/wp/wp-content/uploads/2022/06/Equality-Diversity-Monitoring-Form.doc>

Closing date for applications is **20th July 2025**

The interviews will be conducted online or in person on **w/c 28th July 2025**

BGCI is committed to putting equality, diversity and inclusion at the heart of our organisation. We are committed to ensuring a working environment in which all individuals are free from discrimination and in which opportunities are equal to all. We encourage applications from all sections of the community, particularly those underrepresented within our sector.