Announcement
Volunteer in Technologies Applied to Science for the project: Galápagos Verde 2050

Application deadline: Until filling the vacancy

Expected start date: immediately

Duration: Initially for a 3-month period with the possibility of extending the placement upon review.

Galapagos Verde 2050 (GV2050) The Galapagos Archipelago is one of the greatest biodiversity spots and an excellent conservation reference worldwide. There are more than a thousand different registered plant species within the islands, of which almost two hundred are endemic or only occur in the Galapagos Archipelago. The Galapagos Verde 2050 was established in 2014 and is a multi-institutional and interdisciplinary project, that actively contributes to the conservation of these natural assets of Galapagos as well as the “wellbeing” of its human population.

The project has two primary sub-projects:

- **Ecological restoration** - With the use of water saving technologies, the project works to restore the island’s ecosystems, primarily through the planting of over 70 native and endemic plant species on 7 different islands.

- **Sustainable agricultural practices** - The project collaborates with farmers and the local populations to make places more sustainable and less of a threat to the native flora and fauna. Also encouraging the use of water-saving technologies as an agricultural tool to make farms more self-sustaining.

The GV2050 project is seeking proactive volunteers with a passion for conservation and sustainability. This is a unique opportunity for anyone who wants to know first-hand, the important scientific work we do here for the conservation of Galapagos Archipelago.

Role responsibilities

- Make improvements to the official GV2050 database developed with PHP and MySQL.
- Manage and update the GV2050 Shiny application, RestoR (https://gv2050.shinyapps.io/GV2050-restoR/), developed with R
- Create databases to store electronic data and preserve it safely.
- Generate maps of the GV2050 study sites, located on 7 islands.
- Perform quality control of the GIS data, including the identification and correction of errors.
- Supporting in the project’s germination experiments of native and endemic species.
- Take care of plants in germination and development process.
- Working in the project’s various study sites monitoring the project’s plants
- Maintenance of water saving technologies in the implemented sites
- Work in the project’s various study sites planting endemic and native species
- Preparing resources and logistics for trips to the field.
- Supporting the project leader in the preparation of reports.
- Presenting findings to local audiences.
Requirements

- Relevant experience in biology, conservation, sustainability, environmental studies and/or other related fields of study.
- Knowledge of concepts and principles of GIS, map projections, coordinate systems and experience using ArcGIS or QGIS
- Experience using R for data management, data analysis, and data visualization. Knowledge/experience using Shiny and git is a plus
- Experience building websites using PHP and MySQL
- Excellent social and inter-personal skills.
- Pro-active, able to integrate in a multi-disciplinary team.
- Able to work in an isolated environment and willing to work long days and weekends.
- Adequate level of health to endure the physical demands of field work.
- Interest in conservation of natural and protected areas.

Conditions

The Galapagos Verde 2050 Volunteer reports directly to the leader of the Galapagos Verde 2050 project. The successful candidate will be based at the CDRS on Santa Cruz Island in the Galapagos Islands, Ecuador. A volunteer assignment with CDF does not imply a continuing relationship with the volunteer beyond the expected duration of the assignment.

The volunteer is expected to work a minimum of 40 hours per week. The working schedule can change according to the project activities. Vacation and/or additional time away from the station may be requested in advance by the volunteer but will be subject to the approval of the project coordinator.

How to apply

For additional information and those interested in this position should send their application form and attachments by e-mail to the following address vol@fcdarwin.org.ec and patricia.jaramillo@fcdarwin.org.ec

Please refer to this page for information about other requirements and application instructions: www.darwinfoundation.org.ec