

## Terms of Reference for Geofencing Project

<b>Project Title:</b> Geofencing Project	
<b>Project Responsible Person:</b> Gideon Balasingam and Giegere Greg Hedziga	
<b>Region/Country:</b>	PNG
<b>Programme/Project Number:</b>	
<b>Budget Funded By:</b> FT Germany	
<b>Program/Project Location:</b> PNG	
<b>Expected Start Date of Assignment:</b> 15 <sup>th</sup> Dec 2024 (if possible earlier)	
<b>Project Duration:</b> 6.5 months	
<b>End Date:</b> 30 <sup>th</sup> June 2025 or (until when all deliverables are met)	
<b>Reports to:</b>	<b>Name:</b> <i>Bindu &amp; Erwin</i>
	<b>Title:</b> COO & CEO

### PROJECT DETAILS AND AIM & OBJECTIVES

#### **BACKGROUND:**

Fairtrade is an alternative approach to conventional trade and is based on a partnership between producers and consumers. Fairtrade offers producers a better deal and improved terms of trade. This allows them the opportunity to improve their lives and plan for their future. Fairtrade offers consumers a powerful way to reduce poverty through their everyday shopping.

Fairtrade NAPP supports and empowers Fairtrade certified farmers and workers across the Asia Pacific region. The producers share a 50% ownership of the Fairtrade system and have an equal voice in all decisions that affect them. Currently, NAPP has 300+ Producer Organizations across 21 countries in Asia and the Pacific Region, supporting more than 260000 farmers and workers. Fairtrade strengthens the position of farmers and workers in the value chain. By offering an alternative approach to trade, NAPP supports producers in securing better markets, contributing to greater sustainable development in the Asia Pacific region under Fairtrade – Network of Asia and Pacific Producers (NAPP). To know more about NAPP & Fairtrade visit: <https://www.fairtradenapp.org>, <https://www.fairtrade.net>

The organization seeks to enhance its geofencing capabilities to comply with the European Union Deforestation Regulation (EUDR) and other operational requirements. A data analyst with expertise in GIS and data visualization tools is required to support this initiative.

#### **PROJECT DETAILS:**

The Regulation on deforestation-free products entered into force on 29 June 2023. Under the Regulation, any operator or trader who places the commodities on the EU market, or exports from it, must be able to prove that the products do not originate from recently deforested land or have contributed to forest degradation.

A farm plot sized 4 hectares and above will require Geofence data, while a farm plot sized below 4 hectares will require Geo-point data.

Country – PNG

Producer Organisation – 2 POs

Plot Count – 2869 (Approx)

**AIM AND OBJECTIVES:**

To Geofence the Coffee and Cocoa plots in PNG for this project to comply with the EUDR regulation.

**KEY RESOURCES / ROLES AND RESPONSIBILITIES:**

- To prepare training material and deliver training on data collection using GPS machines at the site of the location where the training is organized
- Transparency in accounting processes
- Should be able to conduct one training, demonstrate data collection for select members from each PO, for 2 POs
- Should be able to monitor data collection and submit the geopoint and geofence data of each plot in the two POs.

**Eligibility / Preferences:**

- Individual / agency who is familiar with Fairtrade processes
- Individual / agency who is familiar with Geo-fencing
- Individual / agency who is familiar with PNG context and PNG producers
- Individual / agency who has past collaboration with Fairtrade or NAPP
- Master's degree in any or related field
- Minimum of 2 years of relevant work experience will be preferred
- Proficiency in GIS tools such as ArcGIS and QGIS.
- Experience with data formats including JSON, GeoJSON, and KML.
- Advanced Excel skills and experience in creating dashboards.
- Proficiency in Power BI and Tableau.

**BUDGET**

<b>Description</b>	<b>Amount (Euro)</b>
Overall project cost	4360 Euros
<b>Total</b>	<b>4360 Euros</b>

Inclusions – 2 trainings, data collection, monitoring of data collection, data management, successful submission on FairInsight.

Exclusions – travel and accommodation for the training will be arranged by NAPP.

**ETHICAL STANDARDS AND CONFIDENTIALITY**

The data analyst must adhere to ethical guidelines and maintain confidentiality of all project-related data and analysis.

## APPLICATION

Preference will be given to consultancies, firms, or individuals with demonstrated experience in the field and looking for rigorous proper due diligence process and transparent financial system.

Please send your expression of interest along with a detailed budget to Giegere Greg Hedziga at [greg@fairtradenapp.org](mailto:greg@fairtradenapp.org) and Gideon Balasingam at [gideon.balasingam@fairtradenapp.org](mailto:gideon.balasingam@fairtradenapp.org) and [shobana@fairtradenapp.org](mailto:shobana@fairtradenapp.org) in CC by 7 Dec 2024.

## KEY PERFORMANCE INDICATORS

Expected Outputs:	Required Completion Date:
<ul style="list-style-type: none"> <li>• Geofence the coffee plots in PNG (2 Producer Organization)</li> <li>• Training producers on how to collect data using the GPS machines (2 Producer organisations)</li> <li>• Monitor and follow-up on data collection work and share update on the progress</li> <li>• Convert data in required format</li> <li>• Data quality check to be done</li> <li>• Support producers to submit data on FairInsight</li> <li>• Receive positive check from FairInsight</li> </ul>	<p>30th June 2025 or until when all the deliverables are met.</p>