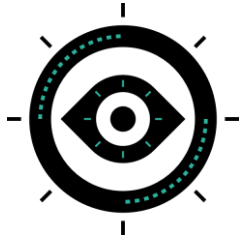


# GGGI in the Pacific Region & Pacific E-Mobility Program

May 2022



# GGGI's Vision, Mission, & Position



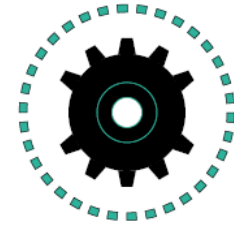
## Our Vision

A LOW-CARBON, RESILIENT  
WORLD OF STRONG,  
INCLUSIVE, AND SUSTAINABLE  
GROWTH



## Our Mission

GGGI SUPPORTS ITS MEMBERS  
IN THE TRANSFORMATION OF  
THEIR ECONOMIES TO A GREEN  
GROWTH ECONOMIC MODEL.



## Our Position

A TRUSTED ADVISOR &  
DEVELOPMENT PARTNER  
EMBEDDED IN MEMBER &  
PARTNER GOVERNMENTS

# TRANSPORT ACTIVITIES IN MEMBERS

GGGI has actively supported transport implementation in more than 17 member countries, supporting members in the transition of their transport sector to sustainable modes including E-mobility and non-motorized transportation.



# GGGI TRANSPORT CASES



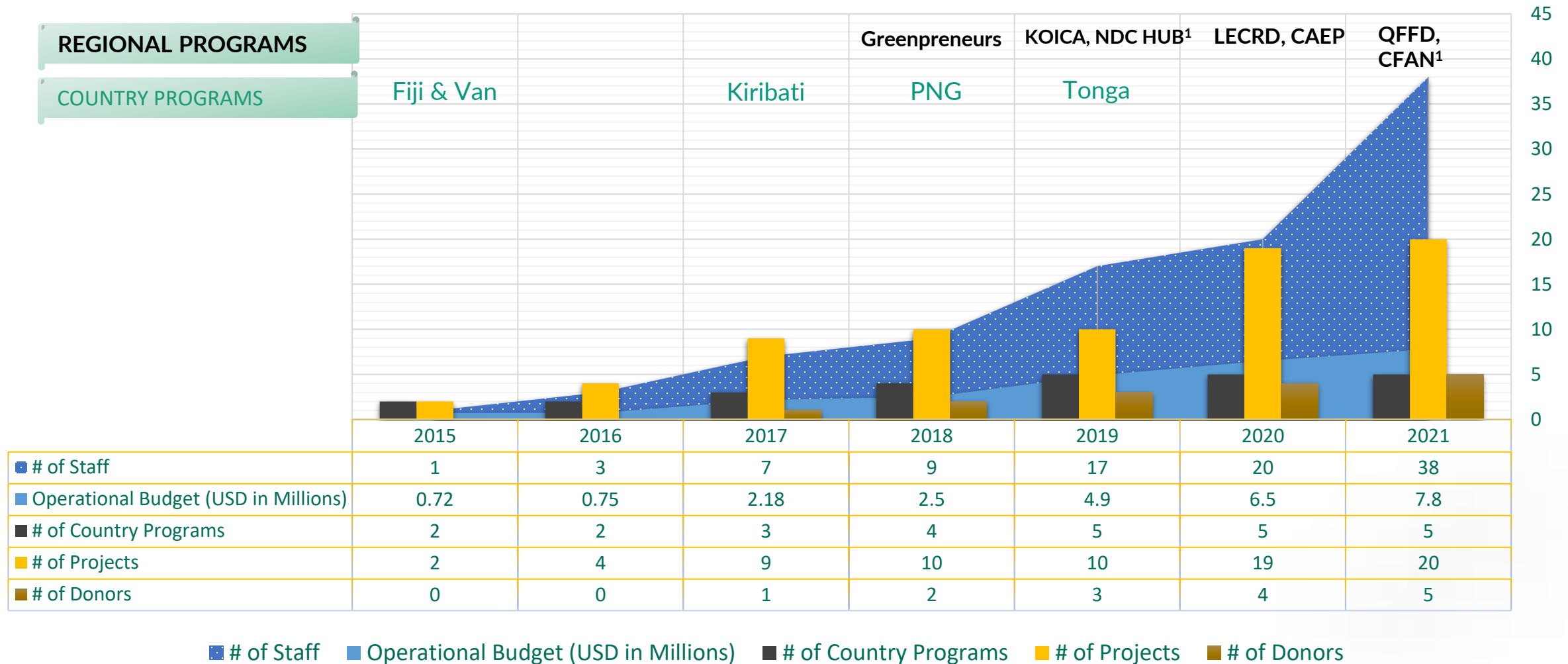
Continent	Countries	Activities
Asia Countries	<b>Cambodia</b> - Electric buses for UNESCO World Heritage city of Siem Reap & Financial Mechanism for E-Scooters	<ul style="list-style-type: none"> <li>Pre-feasibility study on e-bus and e-scooter technology options in-house</li> <li>Regulatory framework development based on GCF readiness program</li> <li>Resource Mobilization for introducing electric public buses on 3 lines and establishing a financial mechanism</li> </ul>
	<b>India</b> – Mainstreaming e-mobility enabled infrastructure development	<ul style="list-style-type: none"> <li>Consultation and capacity building to relevant stakeholders</li> <li>Technical and financial analysis on installing charging stations along the targeted city</li> <li>Resource mobilization through relevant investment commitment</li> </ul>
	<b>Lao PDR</b> – Low carbon buses for the Bus Rapid Transit system in Vientiane	<ul style="list-style-type: none"> <li>Consultation and capacity building to relevant stakeholders</li> <li>Pre-feasibility study on introducing e-buses on BRT lines</li> <li>Resource mobilization through GCF and others</li> </ul>
	<b>Myanmar</b> – Accelerating the transition to sustainable public transport for low-carbon city development	<ul style="list-style-type: none"> <li>Consultation and capacity building to relevant stakeholders for identifying country needs</li> <li>Pre-feasibility study on smart transport systems and e-buses</li> <li>Resource mobilization in GCF and bi-lateral agencies</li> </ul>
	<b>Nepal</b> - Electric Mobility Program, Phase II including Smart E-Mobility Project	<ul style="list-style-type: none"> <li>Consultation and capacity building to relevant stakeholders</li> <li>Regulatory framework development and pre-feasibility study on smart transport systems and e-buses</li> <li>Resource mobilization through GCF, NAMA, and bi-lateral funding</li> </ul>
	<b>Philippines</b> – Sustainable Urban Transport Project	<ul style="list-style-type: none"> <li>Consultation and capacity building to relevant stakeholders for identifying country needs</li> <li>Pre-feasibility study on sustainable urban transport technologies</li> <li>Resource mobilization through GCF and MDB</li> </ul>
	<b>Sri Lanka</b> - Accelerating the transition to sustainable public transport	<ul style="list-style-type: none"> <li>Consultation and capacity building to relevant stakeholders for identifying country needs</li> <li>Pre-feasibility study on smart transport systems and e-buses</li> <li>Resource mobilization through GCF and EDCF</li> </ul>
Africa/ Middle East Countries	<b>Ethiopia</b> – Accelerating the transition to e-buses on BRT lines in Addis Ababa	<ul style="list-style-type: none"> <li>Consultation and capacity building to relevant stakeholders regarding sustainable transport technologies such as BRT and e-Mobility</li> <li>Pre-feasibility study on introducing e-buses on BRT B2 lines in collaboration with AFD</li> </ul>
	<b>Rwanda</b> – Supporting the transition to E-mobility in Rwanda	<ul style="list-style-type: none"> <li>Consultation and capacity building to relevant stakeholders</li> <li>Pre-feasibility study on e-bus charging infrastructure</li> <li>Resource mobilization through GCF, MDB and EDCF</li> </ul>
	<b>Jordan</b> – Integrated adoption of electric mobility	<ul style="list-style-type: none"> <li>Consultation and capacity building to relevant stakeholders</li> <li>Pre-feasibility study on introducing e-buses on BRT lines</li> <li>Resource mobilization through GEF-7, GCF in collaboration with EBRD, UNIDO, GIZ and the governments</li> </ul>
Latin America Countries	<b>Mexico</b> – Deployment of electric buses	<ul style="list-style-type: none"> <li>Consultation and capacity building to relevant stakeholders</li> <li>Pre-feasibility study on introducing e-buses on BRT lines</li> <li>Resource mobilization through GCF readiness in collaboration with ZEBRA partnership and the governments</li> </ul>
	<b>Equator</b> - Shifting to electrification of the transport sector through a reliable/efficient clean energy network	<ul style="list-style-type: none"> <li>Plan to provide consultation and capacity building to relevant stakeholders</li> <li>Conceptualizing a sustainable transport project</li> </ul>



# GGGI in the Pacific



# GGGI Pacific: A Growing Program



<sup>1</sup>also working in Tuvalu, Solomon Islands and Samoa (through NDC Hub and CFAN)



# Electric mobility: The Pacific Island Countries Context

- Transportation responsible for an estimated **75% of the region's use of petroleum products and polluting emissions.**
- Reliance on high-cost fuel imports.
- E-mobility projects, **build on existing strategies** and necessary to **meet policy targets.**
- Aging fleets, especially in public transport – avoiding lock-in to polluting technologies.
- Pilots needed for **proof of concept**, building required **skill sets** and **trust** in technology.
- E-mobility is only **one part of an overall package** of measures to meet sustainable transport goals.
- Needs to be **implemented alongside non-motorized transport and public transport measures** to be most effective.



# GGGI's Pacific E-Mobility Program

## Overview

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**Countries:** Kiribati, Tonga, Papua New Guinea and Fiji.

**Objectives:**

- Mobilize US\$ 55.75 million: finance demand for transition to land-based e-mobility systems and technology.
- Support the achievement of policy targets, create green jobs, and enhance energy security.
- Address gaps in finance and capacity to deliver e-mobility projects, building on existing strategies (e.g., Low Emission Development Strategy (LEDS), NDC Implementation Plan).

Providing **technical assistance** for:

- i. strengthening the regulatory framework and identifying and filling gaps in technical, financial, and legal studies to improve public policies and enabling business models for e-mobility adoption,
- ii. the preparation of bankable concept notes,
- iii. mobilizing investment for implementation of e-mobility pilot projects, and
- iv. strengthening the regional capacity to assess e-mobility solutions in the broader context of climate change mitigation through knowledge sharing activities.

**Outcome:**

- Reduction of 26,715 tons of Green House Gas (GHG), create 230+ green jobs, and deliver 1,100+ units of e-mobility technology (2-wheelers, buses, vehicles, charging stations etc.).

**Timeline:** 2 years (2022 – 2024)





# GGGI's Pacific E-Mobility Program

## Work examples

### Fiji

- 2018: **Fiji Low Emission Development Strategy 2018-2050 (LEDS)** Contains chapter on Land Transport.
- 2019: Technical Report: **Energy and Transport Data Audit and Data Management Assessment for Electrification of the Transport Sector.**
- 2019: Technical Report: **Analysis of the Power Sector Infrastructure Requirements on Electric Vehicles for Viti Levu.**
- 2021/22: Technical Support to **Feasibility study on Electric Shuttle Bus Pilot Project** in the Suva Metropolitan Area.
- 2021/22: Policy Brief for **Improvement of Vehicle Emission Standards.**



# Thank You



[www.gggi.org](http://www.gggi.org)



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