



## MINISTRY OF ENVIRONMENT AND CLIMATE CHANGE

### Expressions of Interest (EOI) for Student Researcher for Literature Review of Greenhouse Gas Inventory Capability Building Programme

#### Scope of Work

This research project involves conducting a comprehensive literature review of regional and national research relevant to Fijian livestock greenhouse gas (GHG) emissions, emissions factors, emissions calculations and inventory compilation. The student researcher will review scientific literature, reports, and other relevant documents related to livestock emissions in Fiji and similar regional contexts. They will identify and summarize existing emission factors and methodologies applicable to Fiji's agricultural sector, analyze gaps in current knowledge and data to inform future research projects, and compile information on best practices for measuring and estimating livestock emissions in similar climatic and agricultural conditions. The researcher will prepare a manuscript based on the literature review findings and may contribute to the submission of findings to the Intergovernmental Panel on Climate Change (IPCC) Emission Factor Database. This work will support the development of an IPCC Tier 2 GHG Inventory for enteric fermentation from beef cattle and goats, and for swine and poultry manure management, as part of the broader GHG Inventory Capability Building Programme for the Agricultural Sector in Fiji.

#### Duration

This research project is for a period of 3 months (65 working days) full-time, starting from January 2024.

#### Qualifications and Experience

1. A Postgraduate/Master's degree in Environmental Science, Agricultural Science, Chemistry, Climate Change Studies, Sustainable Development or a closely related field with a focus on climate change and agriculture
2. Demonstrated research skills and experience in conducting literature reviews.
3. Excellent analytical and critical thinking abilities.
4. Strong writing skills in English, with experience in academic writing and proper citation methods.
5. Familiarity with greenhouse gas inventories and agricultural emissions is highly desirable.
6. Proficiency in using academic databases and research tools.
7. Experience with data analysis and interpretation, particularly in environmental or agricultural contexts.
8. Ability to work independently and meet deadlines.
9. Strong organizational skills and attention to detail.
10. Proficiency in using Microsoft Office, particularly Excel for data management.
11. Previous experience or coursework related to climate change policy, United Nations Framework Convention on Climate Change reporting, or national GHG inventories would be an advantage.
12. Ability to communicate complex scientific concepts clearly and concisely.

The EOI should include the following:

1. A cover letter addressed to the Permanent Secretary with subject: "EOI – Student Researcher for Literature Review - Greenhouse Gas Inventory Capability Building Programme" expressing interest and rationale for your suitability for the research project.
2. A brief proposal discussing your approach to conducting the literature review, a timeline, and any relevant experience or skills you would bring to the project.
3. A detailed CV highlighting qualifications and relevant academic or research experience.
4. Academic transcripts.
5. A writing sample demonstrating research and analytical skills.

Application Process:

Interested students are invited to submit their Expression of Interest (EOI) by 4 pm (Fiji Time), 24 January, 2025.

For the Term of Reference (TOR) inquiries or additional information and submission of EOI, please contact: Ms Ranjila Singh on [ranjila.singh@environment.gov.fj](mailto:ranjila.singh@environment.gov.fj)