

REQUEST FOR PROPOSAL

CO-DEVELOPMENT OF METHODOLOGY FOR AVOIDED NITROUS OXIDE (N₂O) EMISSIONS FROM MANAGEMENT OF N-FERTILISERS IN AGRICULTURAL ACTIVITIES

Deadline date 25 June 2021

BACKGROUND

In 2019, the IPCC recognised N₂O emissions in the land-based agriculture sector as a significant source of non-CO₂ emissions. The emission results from anthropogenic nitrogen (N) inputs or N mineralisation occur through both a direct pathway (i.e., directly from the soils to which the N is added/released) and through two indirect pathways: (i) following volatilisation of ammonia (NH₃) and nitrogen oxides (NO_x)

from managed soils and (ii) after leaching and runoff of N, mainly as NO₃ are a significant source of emissions. IPCC, 2018 also recognises that change in N fertiliser application rate, fertiliser type, timing, precision application, inhibitors - are ready to implement technologies but face implementation barriers, such as acceptance or adoption by land managers.

In an attempt to alleviate these barriers, Gold Standard has approved three methodology concept notes proposed to design a GHG quantification and Monitoring, Reporting and Verification (MRV) methodology for efficient nitrogen fertiliser application.

These concept notes were submitted separately by Gavilon Fertilizer LLC; and two other developers who would like to keep their identity confidential for time being. Considering the overlapping scope of the proposed methodology concepts and wider applicability, the Gold Standard Technical Advisory Committee (TAC) mandated the Secretariat to design and develop one methodology encompassing the scope outlined below to ensure consistency and rigour in line with Gold Standard for the Global Goals (GS4GG). The TAC also recommended to seek stakeholder feedback on the proposed scope to include other relevant activities in the methodology.

OBJECTIVES

Gold Standard intends to develop a methodology for reduced/avoided nitrous oxide (N₂O) emissions from the management of N-fertilisers in agricultural activities. The proposed scope of the methodology includes, but not limited to, the following activities:

- Application of Enhanced Efficiency Fertiliser ("EEF") such as nitrification inhibitor, urease inhibitor
- Application of slow release fertilisers
- Reduction in use of nitrogen fertilisers and loss of nitrogen fertilisers
- Optimised nitrogen fertiliser management
- Reduction in use of nitrogen fertiliser through best practice approaches

1. FEEDBACK ON PROPOSED SCOPE

Gold Standard seeks feedback from project developers and other stakeholders on proposed scope of the methodology, including any other potential activities. Email feedback to standards@goldstandard.org

2. JOIN CONSORTIUM TO CO-DEVELOP THIS METHODOLOGY

Gold Standard also invites expressions of interest from stakeholders who wish to co-develop this methodology. Gold Standard will assemble a consortium of interested parties to co-fund the methodology development. The Gold Standard Secretariat will lead the methodology and appoint subject matter experts (e.g. an experienced consulting firm) for the methodology development. Consortium partners can contribute inputs throughout the development of the methodology.

To express your interest, email standards@goldstandard.org by **25 June 2021**, the modalities of the consortium will be shared with interested parties.

3. EXPRESSIONS OF INTEREST FROM CONSULTING FIRMS - TO DEVELOP METHODOLOGY

Gold Standard also invites expression of interest from consulting firms (the "Consultant") to develop this methodology. The appointed consultant will develop this methodology in consultation with Gold Standard Secretariat and consortium partners.

Interested subject matter experts can submit their expressions of interest by **25 June 2021** via this link: [EXPRESSIONS OF INTEREST FOR CONSULTING FIRMS>>](#)

More details on the requirements are provided below. Any clarification questions can be sent to standards@goldstandard.org

REQUIREMENTS FOR METHODOLOGY CONSULTANT

A consulting firm (the "Consultant") or group of consulting firms (individuals are not eligible) should indicate their interest by submitting the following:

- Summary of qualifications and experience in the subject matter.
- Resumes/CVs of lead consultant (not to exceed two pages each)

Required qualifications of consultants:

- Practical experience working with fertilisers management with smallholder and large-scale farming operations
- Scientific understanding and applied experience dealing with N₂O emissions from fertiliser application/management as well as N₂O direct measurement, modelling, and monitoring.
- Experience using and/or developing carbon offset methodologies is desired

DISCLOSURE

This Request for Proposal (RFP) doesn't represent a legal obligation from Gold Standard to accept any proposal. Gold Standard reserves the right to not proceed with the RFP and to amend the requirements at any time.