



International Partnership
on Mitigation and MRV



RICARDO-**AEA**

International Partnership on Mitigation and MRV

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Group Exercise 1: MRV System Design

Background information:

Your group is a NAMA implementation agency in Upper Carbonia submitting a NAMA proposal to a potential donor. As part of this proposal you need to describe the main features of the MRV system of your NAMA.

The NAMA has the following characteristics:

- the NAMA aims to implement a large number of decentralized biogas generation facilities within the agricultural sector, using agricultural residues to produce electricity
- the biogas generation facilities are to be operated by the private sector
- the NAMA implementing agency will provide loans at favourable conditions for the construction of the biogas generation facilities. Loans will be distributed by a number of local banks.
- the NAMA will exclusively support biogas generation facilities that produce electricity only (no thermal energy generation is envisaged under the NAMA)
- the power produced may be used for own consumption (e.g cooling of agricultural produce) or fed into the grid
- a study conducted prior to the NAMA indicates that emission reductions due to methane avoidance (related to the use of agricultural residues such as manure) or methane project emissions due to potential leaking of biogas from the reactor are similar in size and rather small; therefore GHG emission reductions to be monitored are related only to renewable electricity generation (methane baseline or project emissions are excluded)
- the electricity supply in rural areas is not very reliable and will benefit from decentralised electricity generation by the NAMA

the NAMA would benefit from international support to scale-up its operation

Your Tasks:

1. Please define the most important indicators to be monitored as part of the MRV system. The indicators should address GHG reductions as well as co-benefits, negative impacts and transformational change (if applicable)
2. Describe very briefly following aspects for each indicator:
 - Data collection method
 - Data source
 - Data collection frequency
3. Who are the main actors involved in the monitoring and what are their roles and responsibilities?
4. Describe one possible approach for verification of the monitored & reported information: Who carries out the verification and what should they do?