

# Global Bioenergy Partnership

*Working together to promote bioenergy for sustainable development*

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## 8<sup>th</sup> Meeting of the Task Force on GHG Methodologies of the Global Bioenergy Partnership

FAO Headquarters - Mexico Room

Rome, 1 October 2010

## From the 9<sup>th</sup> GBEP Steering Committee meeting La Marsa-Gammarth, Tunis (Tunisia), 7 May 2010

The 9<sup>th</sup> GBEP Steering Committee endorsed the recommendations of the Task Force on GHG methodologies:

- to make publicly available the questionnaires compiled so far on the GBEP website,
- to establish a clearing-house mechanism in order to allow users to compare across submissions, exchange documents and studies as well as to learn from other users' experience.

This will also aim to provide an easily accessible reference of examples for developing countries when designing life cycle analyses for bioenergy.



The Italian Institute of Agricultural Economics (INEA) kindly committed to develop the clearing-house, with the support of the GBEP Secretariat.





- ♦ [Clearing House on GHG methodologies](#)
- ♦ [Analytical tools for bioenergy](#)
- ♦ [Financing options for bioenergy](#)

## The GBEP analysis

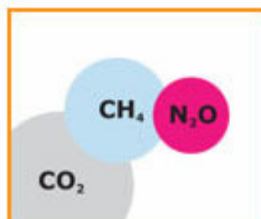
### Clearing House on GHG methodologies

### Analytical tools for bioenergy

### Financing options for bioenergy

## methodologies for lifecycle

This tool has been developed to set a platform to exchange information on the implementation and testing of the GBEP "common methodological framework for GHG lifecycle analysis of bioenergy" and to allow users to share documents and studies as well as to learn from other users' experience.



The GBEP common methodological framework for GHG lifecycle analysis of bioenergy is a flexible "checklist" designed to provide a reference of pertinent questions for countries and institutions to compare the various existing methodologies dedicated to assessing GHG emissions of bioenergy systems in a transparent way. This in turn will indicate where discrepancies in reported GHG emissions could have arisen from methodological differences and hence a fair comparison is not possible.

## Start the online testing

- [Download the GBEP GHG Methodological Framework \(.pdf\)](#)
- [Relevant regional, national and international rules and regulations](#)
- [Relevant documents and studies](#)
- [Related institutes and research centres](#)
- [Compiled questionnaires and statistics](#)
- [Provide your feedback/suggestion](#)



## Test the GHG methodological framework

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The GBEP methodological framework consists of 10 "Steps" of analysis. Steps 1 and 2 are simple checkboxes in which the user identifies the GHGs included in the LCA and the source of the biomass feedstock. In cases that the feedstock is waste material, further explanation is requested. Steps 3-9 walk through a full LCA appropriate for bioenergy production and use, including emissions due to land use change, biomass feedstock production, co-products and by-products, transport of biomass, processing into fuel, transport of fuel, and fuel use. For each Step the framework presents a series of yes/no questions and checkboxes, with requests for further explanation where appropriate. Step 10 is the comparison with replaced fuel. In this Step the framework includes options for reporting LCA of fossil transport fuels and LCA of stationary heat and electricity production systems.

This on-line version can be completed in multiple sessions. You can re-access your questionnaire at a later time without losing previously entered data.

\*Country / Agency / Organization

\*Name

\*Surname

\*Email

START

\* required.



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<b>STEP 1</b> GHGs Covered	<b>STEP 2</b> Source of biomass	<b>STEP 3</b> Land use change	<b>STEP 4</b> Biomass feedstock production	<b>STEP 5</b> Transport of biomass
<b>STEP 6</b> Processing into fuel	<b>STEP 7</b> By-products and co-products	<b>STEP 8</b> Transport of fuel	<b>STEP 9</b> Fuel use	<b>STEP 10</b> Comparison with replaced fuel

\* Step not complete

\* Step complete



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## STEP 8: Transport of fuel

This step asks the user to describe how emissions related to transportation of the biofuel from the processing plant to the end use.

\* Fuel is transported from processing plant to use site:

- Yes (please consider all emissions, including, for example, methane emissions from biogas equipment)
- No

SAVE

GO BACK WITHOUT SAVING

\* mandatory fields.

## STEP 8: Transport of fuel

This step asks the user to describe how emissions related to transportation of the biofuel from the processing plant to the end use.

**\* Fuel is transported from processing plant to use site:**

- Yes (please consider all emissions, including, for example, methane emissions from biogas equipment)**
- No**

**\* 1. The fuel transported in a different commodity type:**

- Yes**
- No**

**\* 2. There is a multi-stage transport chain (e.g. truck to ship to truck or train):**

- Yes**
- No**

**\* 3. Transport from the processing plant to the use site is dedicated to this purpose:**

- Yes**
- No**

**\* 4. Return run of transport equipment is accounted for:**

- Yes**
- No**

**5. For relevant sections, clarify assumptions:**

# Implementation of the Clearing House Mechanism

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The GBEP Clearing House on GHG methodologies aims to be a useful tool for more effective communication among experts and for comparisons of results of GHG studies by providing transparency regarding the assumptions that have gone into the calculations.

GBEP members, biofuels producers, industry groups, and regulatory bodies are encouraged to utilize the framework in reporting biofuels LCA and to provide comments and feedbacks on points requiring clarification or modification.

**When a relevant number of compiled questionnaires will be collected, statistics will be generated on the basis of responses received and will be published on the web site.**

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Thank you!