

# GBEP Workshop

## Wood energy and carbon accounting

📅 9 May 2023

📍 FAO Headquarters, Rome, Italy and online

Organised by [GBEP](#)

in collaboration with [IEA Bioenergy](#)

with the contribution of the [UN Food and Agriculture Organisation](#)

**CONCEPT NOTE  
AND AGENDA**



## Concept note

---

**Carbon accounting** refers to the methods for quantifying carbon sinks and greenhouse gas (GHG) emissions from a sector, products or services, companies, mitigation projects, etc., and is used for calculating and reporting net GHG emissions in national or company inventories, or emissions trading. At all levels and across all sectors, it has become increasingly important to be able to track carbon balances in order to better plan climate change mitigation strategies.




**Wood energy** is an important component of the global energy mix; it provides around 6 percent of total primary energy supply, making it the most important single source of renewable energy. Moreover, almost 2 billion people rely on wood energy for their cooking and heating. These factors make wood energy a significant topic in sustainability discussions regarding bioenergy.

Lifecycle analysis of wood energy covers multiple sectors, and although research into carbon accounting methodologies has been ongoing for decades, some challenges in terms of biomass characteristics, data availability and accuracy, terminology, and standardisation of methods still remain.

The scope of this workshop covers carbon accounting of wood energy. The aim of the workshop is to **support understanding of the various carbon accounting methodologies for wood energy, how they are applied in practice and policies, and the data requirements and gaps**. The ultimate objective is to contribute to a common vision on carbon accounting for wood energy and provide a platform for discussion on future directions in this area.

## Agenda

---

- |                      |   |
|----------------------|---|
| <b>09.15 – 09.20</b> | <p><b>Opening of workshop</b><br/> <i>Maria Michela Morese, Activity Group 4 Leader, FAO</i></p>  |
| <b>09.20 – 09.30</b> | <p><b>Introduction to workshop and objectives</b><br/> <i>Tiziana Pirelli, Coordinator, GBEP Secretariat</i></p>  |
| <b>09.30 – 11.00</b> | <p><b>Session 1: carbon accounting methodologies for wood energy</b><br/> <i>Moderator: Göran Berndes, Chalmers University of Technology</i></p> <ul style="list-style-type: none"> <li> IPCC methodologies and national inventory reporting for wood energy<br/> <i>Robert Matthews, Forest Research</i></li> <li> Forest Product Statistics, Estimating Wood Fuel Production, and the Global Forest Goals<br/> <i>Ashley Steel, FAO</i></li> <li> LCA approaches to carbon accounting</li> </ul> |

*Annette Cowie, University of New England*

☀ Moderated Q&A and discussion (30 minutes)

**11.00 – 11.20 Coffee/Tea Break**

**11.20 – 12.30 Session 1: carbon accounting methodologies for wood energy (cont.)**

*Moderator: Göran Berndes, Chalmers University of Technology*

☀ Forest sector modelling

*Nicklas Forsell, IIASA*

☀ Country case: commercial afforestation in the UK

*David Styles, School of Natural Sciences, Bangor University, UK*

☀ Moderated Q&A and discussion (30 minutes)

**12.30 – 13.45 Lunch**

**13.45 – 15.45 Session 2: Applications and policy examples**

*Moderator: Susanne Koeppen, IFEU*

☀ EU policies on carbon accounting for Land use, land-use change and forestry

*Giacomo Grassi, JRC*

☀ Corporate accounting

*Michael Goldsworthy, Drax*

*Enviva Biomass, tbc*

☀ Quantifying Greenhouse Gas Emissions from Woodfuel used in Households

*Alessandro Flammini, FAO*

☀ A pilot study from Brazil: C accounting of charcoal production for residential use: a comparison between charcoal from planted wood and from native forests

*Suani Coelho, University of São Paulo - Brazil*

☀ Moderated Q&A and discussion (40 minutes)

**15.45 – 16.10 Coffee/tea break**

**16.10 – 16.45 Discussion on challenges and future directions for carbon accounting for wood energy**

*Moderator: Francesco Tubiello, FAO*

**16.45 – 17.00 Wrap up and outlook**

*Tiziana Pirelli, Coordinator, GBEP Secretariat*