

CALCULATOR FOR BUYERS

WP 4 Pilot project implementation

Activity 4.2 Pilot project preliminary actions

GECO2 – Green Economy and CO2

Safety and resilience | SO 2.1

Work Package:	4. Pilot project implementation
Activity:	4.2 Pilot project preliminary actions
Phase Leader:	ARPAE
Deliverable:	Calculator for buyers (COFFEE)

Version:	Final	Date:	31/05/2022
Availability:	Public		
Responsible Partner:	ARPAE		
Editor:	Antonio Cinti		
Contributors:	Vincenzo Verrastro, Eleonora Ciciriello, Giorgio. P. Marti, Antonio Volta, Leonardo Marotta		

Table of contents

The Carbon OFFsetting Emissions Elaborator (COFFEE).....3

The Carbon OFFsetting Emissions Elaborator (COFFEE)

The **Carbon OFFsetting Emissions Elaborator (COFFEE)** is an informatic tool that has been developed by the project, based on the same structure of that created for suppliers.

The company wishing to participate in order to offset its CO₂-equivalent debts must fill in an online questionnaire realised in Google-form model.

The buyer must state whether he has an LCA available. If so, that value is used as debt, otherwise the questionnaire continues asking for energy consumption data (electric and fuel) which the computer will convert into units of CO₂ equivalent. The calculation can be linked to the selected activities to be offset, in compliance with marketing choices made by the buyers. For example, the option of calculating the debts (at the user's choice) is provided, for the whole company, or a production chain or for a specific product-service or for a single location.

The calculation is made using several modules written in C/C++ and equipped with a graphical interface to facilitate the user's access.

The calculation outputs are saved to the DB Browser for SQLite Database and are subsequently read from the project portal where the purchase options and transactionstake place.

Again, the instrument provides a reference model for possible future developments of voluntary regional markets for carbon credits in agriculture and is a major step forward in raising the awareness of emitting organizations of their own emission capacities and CO₂ equivalent savings and in relation to the adoption of sustainable production practices.

Link:

<https://docs.google.com/forms/d/1NCS41bJ3z8Tt9eRtYgiDJb5SDmDpIOMm9SVKxn69Inc/edit>