

# Carbon Footprint Calculator

Carbon Calculator enables users to calculate and track the carbon footprint of their financial transactions, promoting sustainability and informed decision-making.

- [Introduction](#)
- [Overview](#)
- [Use cases](#)
- [Technical documentation](#)

# Introduction

At Verestro, we are committed to creating a more sustainable future by empowering individuals and businesses to take action on climate change. One of the ways we are doing this is through our Carbon Calculator, a powerful tool that allows users to calculate the carbon footprint of their financial transactions. By providing users with accurate and reliable information about their carbon emissions, we aim to raise awareness about the environmental impact of everyday activities and encourage individuals and businesses to make more sustainable choices. Our Carbon Calculator is designed to be user-friendly and accessible, with a simple interface and easy-to-understand results. We believe that by making it easier for people to understand and reduce their carbon footprint, we can work together to create a more sustainable future for all.



# Overview

The Verestro Carbon Calculator API is an easy-to-use tool that allows users to determine the carbon footprint of their transactions. The API is designed to comply with REST standards and requires only two pieces of information: the transaction amount in a specified currency and the MCC (Merchant Category Code). Upon submitting these details, the API generates a response that provides the carbon footprint in both grams and ounces, depending on the partner preference.

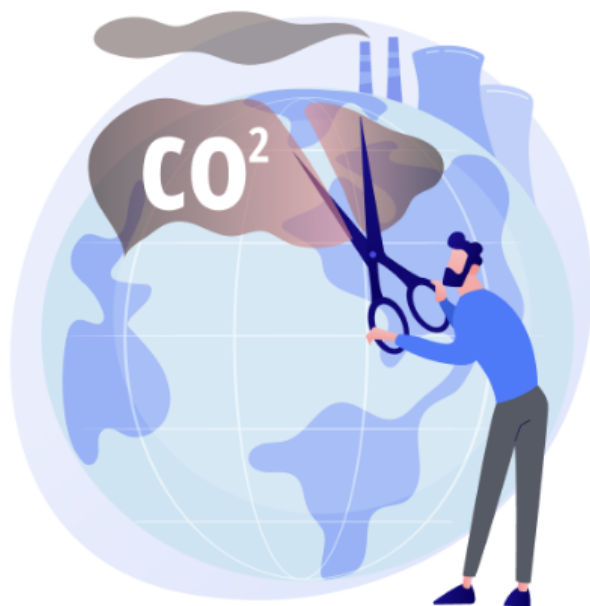
The Verestro Carbon Calculator API integrates with Mastercard's API.

Based on transaction data the MC API calculates the carbon footprint of the transaction taking into account the carbon emissions from the production and transportation of goods and services. The result is returned to the user and by providing this information, the Verestro Carbon Calculator API enables users to make more informed decisions about their financial activities and encourages them to make more sustainable choices.



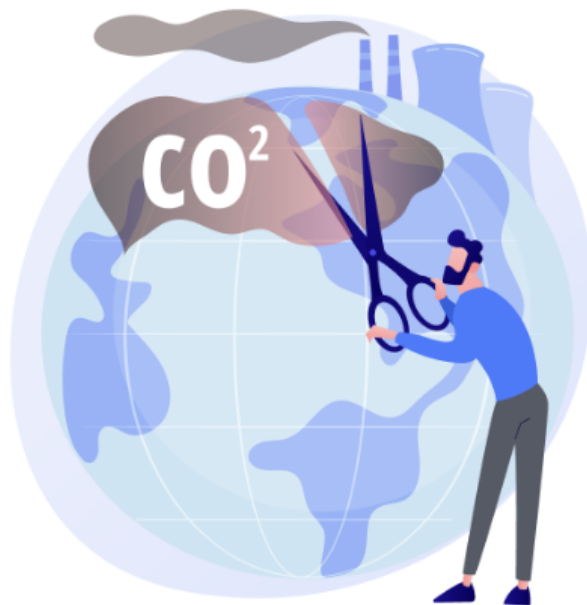
The Verestro Carbon Calculator API offers a range of benefits for businesses and individuals who are interested in tracking their carbon emissions. It provides a simple and efficient way to assess the environmental impact of financial transactions, helping users to make more informed decisions about their purchasing habits.

One of the advantages of the Verestro Carbon Calculator API is that card enrollment is not required, making it easy for users to connect and use the API for new projects. This means that partners can quickly and easily integrate the API into their existing workflows without the need for any additional setup or configuration. This feature also makes the API more accessible to a wider range of users, including smaller businesses or individuals who may not have the resources to enroll their cards in a more complex system.



# Use cases

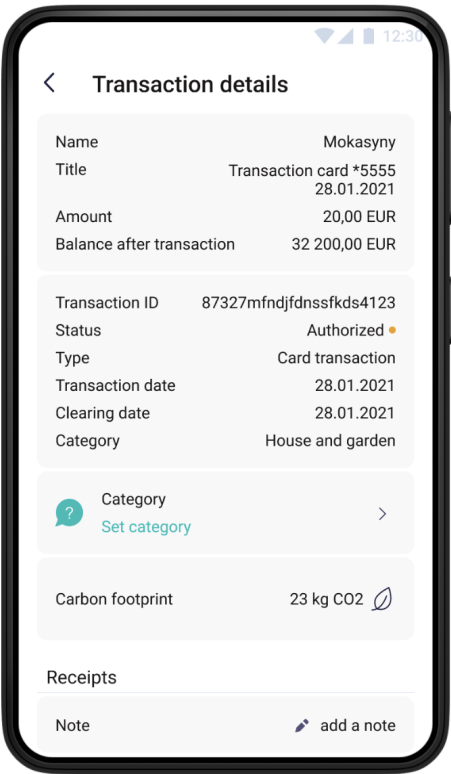
One potential use case for the Verestro Carbon Calculator API is in the financial services industry, where banks and credit card companies can integrate the API into their existing platforms to provide customers with information about the carbon footprint of their transactions. For example, a bank could offer a carbon-conscious credit card that uses the Verestro Carbon Calculator API to calculate the carbon emissions associated with each purchase. The bank could then provide customers with regular updates on their carbon footprint, along with tips and recommendations for reducing their environmental impact. This would not only help customers make more sustainable purchasing decisions, but also position the bank as a leader in sustainability and attract environmentally-conscious consumers. Additionally, the API could be used by businesses to track the carbon footprint of their expenses and investments, allowing them to make more informed decisions about their environmental impact and work towards carbon neutrality. Moreover, the API could be used by partners to track the carbon footprint of its own financial operations and investments, allowing the company to work towards carbon neutrality and reduce its environmental impact.



Overall, the Verestro Carbon Calculator API has the potential to be a powerful tool for promoting sustainability and reducing carbon emissions in a variety of contexts.

Another potential use case for the Verestro Carbon Calculator API is in the Partner payment application, a platform that allows users to make online payments and manage their finances. By integrating the API into the payment application, Partner enables users to calculate the carbon

footprint of their transactions. Integrating the Verestro Carbon Calculator API into the payment application provides users with a valuable tool for promoting sustainability and reducing their carbon emissions.



# Technical documentation

@swagger="https://carbon-calculator-api.verestro.com/api/doc.json"