

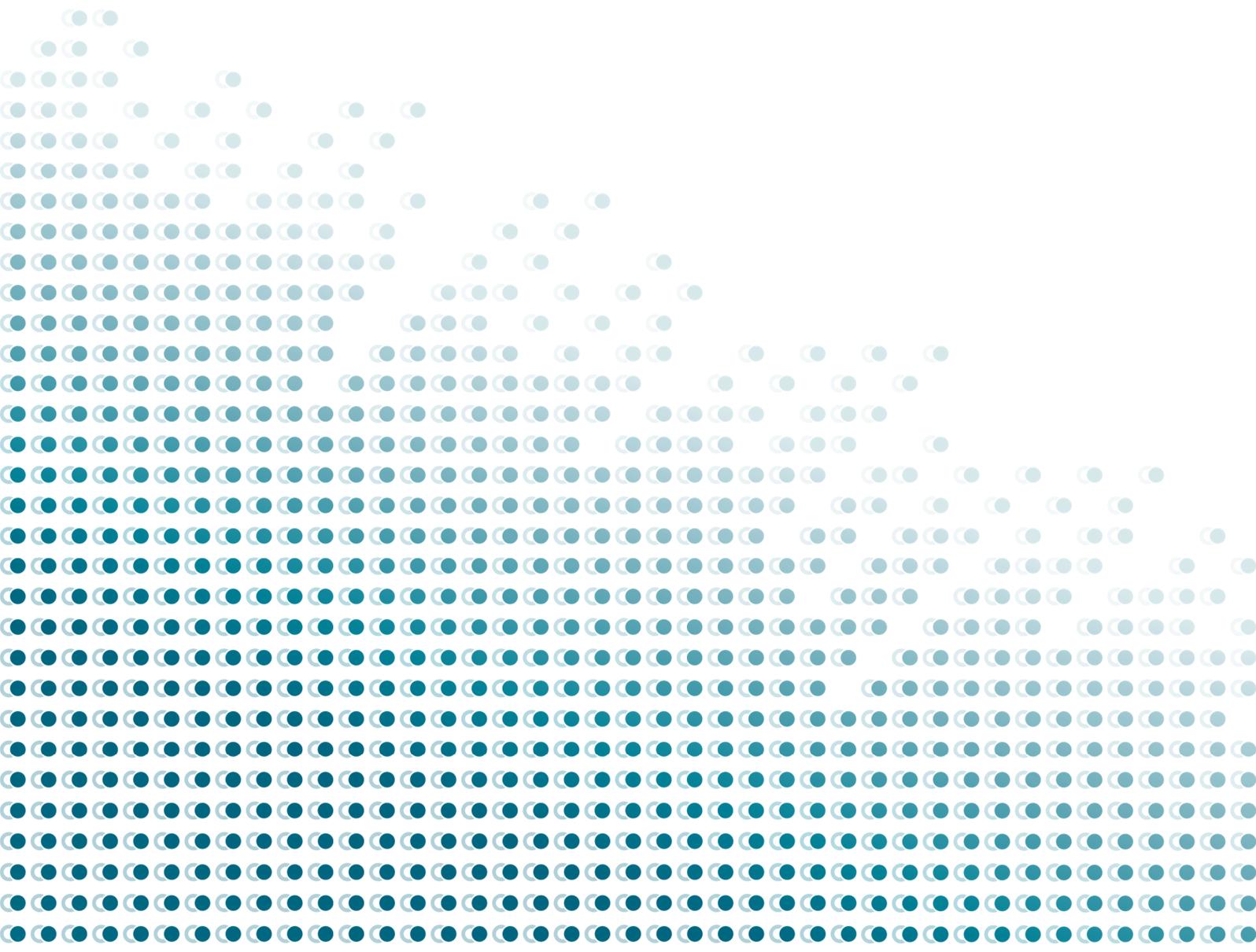
lavola

# TECHNICAL ASSISTANCE FOR THE CALCULATION AND OFFSET OF THE GHG EMISSIONS OF ISMF'S WORLD CUP

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International Ski  
Mountaineering  
Federation





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# 1 INTRODUCTION

## 1.1 CARBON MANAGEMENT STRATEGY

Climate change is one of the main environmental, social, economic, political and ethical challenges that we must face as an international community in the 21st century. Not only will it impact severely and irreversibly on most of the global ecosystems, but will also imply significant economic and social costs, especially on developing economies, becoming a major obstacle to the achievement of the United Nations Sustainable Development Goals.

It is the responsibility of the whole society to reduce greenhouse gas emissions and try to reach climate neutrality, where the impact of any type of activity is minimal or harmless, while maintaining profitability and quality for which it has been developed.

In this context, especially in the business field, the development of carbon management strategies that guides entrepreneurs towards carbon neutrality maximizes their business results while minimizing the environmental impact of its activities. Thus, any organization that wishes to implement a carbon management strategy must carry out 4 key stages so that it is successful. These stages are summarized below:

1. **Calculation:** The carbon footprint of the activities is calculated according to the most prestigious international methodologies (ISO 14064, GHG Protocol, PAS 2050, ISO 14067, etc.).
2. **Reduction:** A coherent, feasible and easy-to-implement strategy for reducing emissions is defined, which allows the carbon footprint to progressively decrease over time and reduce process costs, increasing the efficiency and competitiveness of the organization and maximizing the business benefits.
3. **Offset:** Inevitable CO<sub>2</sub> emissions are offset by the purchase of high quality credits for projects that reduce emissions, achieving organizational status or neutral products in CO<sub>2</sub>. At the same time, the sustainable development of the communities where these projects are developed is enhanced. Both aspects allow the increase of the corporate reputation and differentiation towards its competence.
4. **Communication:** Consulting and helping the client in how to communicate their commitment to a low carbon business model in their main markets, getting differentiated from their competitors while attracting potential new clients.

## 1.2 CLEAN CO2: A WORTHWHILE BRAND



**Clean CO2 is Lavola's carbon management and offset brand that offers an effective reduction of greenhouse gas emissions.**

Good carbon management benefits organizations and gives them value, thanks to the demonstrable commitment to the fight against climate change and their involvement in a low-carbon society committed to sustainability.

## 1.3 AIM

The goal is to create an agreement between ISMF (International Ski Mountaineering) and Lavola to make **all the 2018 World Cups neutral in emissions so that all the races are committed to the fight against climate change**, following the example of Font Blanca ISMF World Cup.

The main emissions that are generated during an event could be divided into two groups of emissions:

- **Emissions produced by the race organization:** consumption of electric power, diesel consumption, displacement of members of the organization, materials delivered, communication materials produced ...
- **Emissions produced by the displacements of the assistants or participants.**

The methodology to achieve neutrality for both groups of emissions with Clean CO2 is explained below.

## 2 SOLUTION 1: OFFSET THE EMISSIONS GENERATED BY THE ORGANIZATION OF THE RACE

### 2.1 CALCULATION

Calculate the GHG emissions associated with the organization and celebration of each race, by applying the ISO 14064 methodology through the Clean CO2 Software "Event module" owned by Lavola.

1. Lavola will make available an entry user to the Clean CO2 Calculation Software for each organization.
2. The organization of the event will collect all the requested data and will introduce them into the software with the help and advice of technicians of Lavola. The data to be introduced is:

Name of the organizer
Name of the race
Start date and end date of the race
Total number of participants or assistants
Total number of food supplies
Number and type of the main materials delivered
Number of total overnight stays of attendees and organizers at a hotel
Litters of diesel consumed by generators
Total Km travelled by vehicles of the organization
Duration (in minutes) of the flights by helicopter
Indicate surface area, type of lighting and type of air conditioning for each space

3. The organization will receive a Carbon Footprint Report of the event, which will allow you to visualize where the organization has to focus its efforts to minimize its impact on future editions.

### 2.2 OFFSET

Offset the emissions associated with the organization and celebration of each course. The methodological and technical aspects are described below:

1. Selection of a GHG reduction project of high quality of the voluntary carbon market, with standards, technologies, environmental and social benefits in the local community where it develops.
2. Purchase of carbon credits VER (Verified Emissions Reduction) of high quality of the portfolio of reduction projects of Clean CO2.

3. **Processing of the offset certificate by Clean CO2 accrediting the neutrality of each race**, as well as the withdrawal of carbon credits from the Markit Environmental Registry or the registry that applies.
4. **Communication of the obtaining of the Clean CO2 certificate**, through the publication of a reference on the Clean CO2 website ([www.clean-co2.com](http://www.clean-co2.com)), dissemination in the social networks of Lavola and delivery of the basic communication kit.

### 3 SOLUTION 2: OFFSET THE EMISSIONS GENERATED BY THE ASSISTANTS OR PARTICIPANTS

**Calculation and compensation of the GHG emissions associated with the participants' trips, through Clean CO2:**

1. Lavola activates for free an online calculator to calculate and offset the emissions for each race. Participants can voluntarily calculate and offset GHG emissions corresponding to their displacement. You can see the operation of the personalized tool for the White Source ISMF World Cup [http://www.clean-co2.com/software/en/webshop/font\\_blanca](http://www.clean-co2.com/software/en/webshop/font_blanca)
2. **The organization of the race will give Lavola a logo (size: 200x125 pixels) and one web header (size: 968x123 pixels)**
3. **Personalization of the calculator with the image of each event by Lavola.** Personalization will be based on the incorporation of an event header image and a brief description of the course commitments.
4. **Transfer of a Clean CO2 banner that will give access to the personalized page** of the event.
5. To ensure that the initiative reaches all attendees, it is recommended to **include the banner once the entry process is completed, or in a later post.**
6. **Writing a news item or a section on the website of the event itself, explaining the commitment of the event to mitigate climate change.**
7. **Include Lavola and Clean CO2 in the channels of communication of the race as a collaborator or "sustainability partner" for the free transfer of the tool.**

## 4 ECONOMIC PROPOSAL

The prices of each of the tasks described above are detailed in the following table:

		CALCULATION	OFFSET
SOLUTION 1	OPTION A: Calculation without offset	300 €	-
	OPTION B: Calculation with offset	FREE	8 €/ Carbon credit
SOLUTION 2		FREE	

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