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This report presents the calculation and reporting of greenhouse gases emissions of the Brazil Pavilion at Expo 2020 Dubai event, which takes place from 1 October 2021 to 31 March 2022 - Expo Rd - Dubai, United Arab Emirates.

The event expects to receive 25 million people during its 6 months duration. Brazil Pavilion itself will be visited by 2.7 million people. People commuting, event set-up, waste generation and energy consumption causes a significant amount of greenhouse gases emissions.

UNICA has offset one week worth of emissions from the event's Brazil Pavilion, which amounted to **1,341.77 tons of CO₂e**.

SUGARCANE.org is part of a larger partnership between UNICA and Apex-Brasil seeking to promote the benefits of Brazilian sugarcane ethanol and its benefits in North America, Europe, and Asia regions.

PROMOTED BY



Expo 2020 Dubai is the current edition of the Universal Exhibition, an itinerant event that takes place every five years, where the biggest attraction are the pavilions of the participating countries. The event will take place from 1 October 2021 to 31 March 2022 in Dubai, United Arab Emirates.

In 2021, with the theme "Connecting Minds, Creating the Future", Expo 2020 Dubai will be organized in three thematic axes: **Opportunity, Mobility and Sustainability**.

<https://www.brasilexpodubai2020.com/expo>

Brazil Pavilion

It is the third time that APEX-BRASIL has been designated by Brazilian government to organize the country participation in the Universal Exhibition. **It will be a unique opportunity for partners to expose their cases and roadshow the country to the world as a modern, productive, full of opportunities, environmentally conscious and sustainable economy.**

The Brazil Pavilion is in the "Sustainability District" with the theme "Together for Sustainable Development", and three sub-themes: "Together for Nature", "Together for the Human Being" and "Together for Tomorrow".



The Brazilian Trade and Investment Promotion Agency (Apex-Brasil) works to promote Brazilian products and services abroad, and to attract foreign investment to strategic sectors of the Brazilian economy.

Apex-Brasil organizes several initiatives aiming to promote Brazilian exports abroad. The Agency's efforts comprise trade and prospective missions, business rounds, support for the participation of Brazilian companies in major international trade fairs, arrangement of technical visits of foreign buyers and opinion makers to learn about the Brazilian productive structure, and other select activities designed to strengthen the country's branding abroad.

Apex-Brasil also plays a leading role in attracting foreign direct investment (FDI) to Brazil, by working to identify business opportunities, promoting strategic events and lending support to foreign investors willing to allocate resources in Brazil.

UNICA and Apex-Brasil have been collaborating to promote the benefits of Brazilian sugarcane products around the world. The sugarcane.org is part of it and contributes to disseminate information about the sector internationally.



Brazil is the world's largest sugar producer and sugarcane ethanol producer.

The Brazilian Sugarcane Industry Association (UNICA), is the leading trade association for the sugarcane industry in Brazil, representing approximately 60% of all sugarcane production and processing in the country. Our member companies are the top producers of sugar, ethanol, renewable electricity and other sugarcane derived products in Brazil's South-Central region, the heart of the sugarcane industry.

UNICA works at the institutional level and aims to promote the competitiveness of Brazilian sugarcane products, while encouraging the continuous improvement of sustainable practices in the sector. The association also works to be a source of reliable information and analysis on the efficiency and sustainability of sugarcane products, especially ethanol, as a clean and renewable fuel alternative.

GREENHOUSE GAS EMISSIONS INVENTORY EXPO 2020 DUBAI – BRAZIL PAVILION

The results of the greenhouse gas emissions inventory of the Brazil Pavilion in the Expo 2020 Dubai, for 6 months, from 1 October 2021 to 31 March 2022, or a week, is reported below:

EXCLUSIVE	6 MONTHS	1 WEEK	
Stationary combustion	29,765.26	1,240.22	95.3%
AIR travel FOREING VISITORS	234.36	9.76	0.8%
Energy consumption	1,190.39	49.6	3.8%
Pavilion assembling	54.62	2.28	0.2%
EXCLUSIVE EMISSIONS TOTAL tCO₂e	31,244.62	1,301.86	

NON EXCLUSIVE	6 MONTHS	1 WEEK	
Ground transportation LOCAL VISITORS	937.42	39.06	98%
Waste	20.53	0.86	2%
NON EXCLUSIVE EMISSIONS TOTAL tCO₂e	957.96	39.91	

	6 MONTHS	1 WEEK
TOTAL tCO₂e	32,202.57	1,341.77

UNICA has offset one week worth of emissions from the event's Brazil Pavilion, which amounted to 1,341.77 tons of CO₂e.

DESCRIPTIONS OF EMISSION SOURCES:

Air travel: it considered the air travel of foreing visitors to the Expo 2020 Dubai, as expected by the event organization.

Ground transportation: it considered all main public transportation, as taxis, buses and subway, the displacement of local residents.

Energy consumption: emissions were estimated based on the electrical installed capacity.

Pavilion assembly: during the the event set-up, energy generators were used. Emissions were calculated by considering fuel consumption reported by event organization.

Waste: waste emissions calculations involve landfill treatment. The event expects about 85% of the waste generated to be recycled.

THE EMISSIONS ARE CLASSIFIED AS:

Stationary combustion: energy generators

Mobile combustion: transportation

Energy distribution: electricity from grid

Waste: waste generation

EMISSION CHARACTERISATION:

Exclusive emissions: Those directly caused by the event and that would not occur in the absence of it.

Non-exclusive emissions: Those that, although related to the event, would not be avoided without the event.

THE GREENHOUSE GASES EMISSIONS INVENTORY HAS BEEN DRAWN UP BY:

