CARBON FOOTPRINT REPORT

2022

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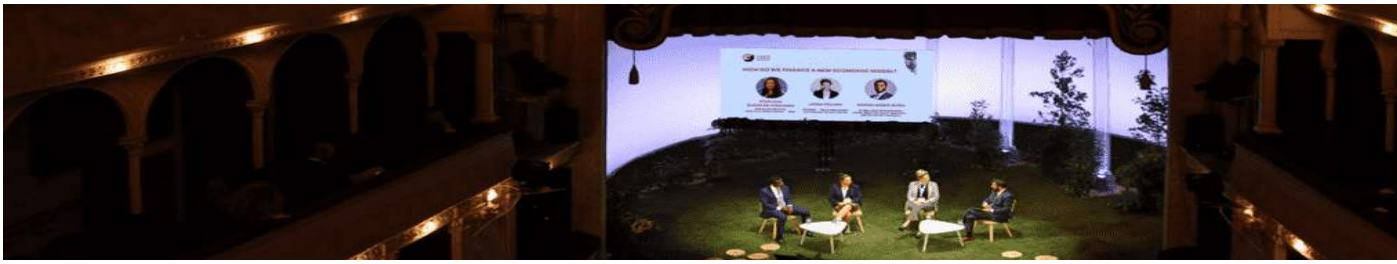
1. List of abbreviations

AR5	Fifth Assessment Report
ANRE	National Authority for Energy Regulation (Autoritatea Națională de Reglementare în domeniul Energiei)
CO_2	Carbon Dioxide
CO_2e	Carbon Dioxide Equivalent
CH_4	Methane
N_2O	Nitrous oxide
HFCs	Hydrofluorocarbons
PCFs	Perfluorocarbons
SF_6	Sulphur hexafluoride
NF_3	Nitrogen trifluoride
DEFRA	UK Department of Environment. Food and Rural Affairs
m2	Square metres
GHG	Greenhouse Gas
GWP	Global Warming Potential
IPCC	Intergovernmental Panel on Climate Change
t	Ton
WTT	Well-to-tank
UNFCCC	United Nations Framework Convention on Climate Change
CCS	Climate Change Summit

2. About Climate Change Summit (CCS)



Key numbers in 2022

- **approximately 1200 participants**
- **60+** speakers
- **60+** partners
- **320+** media articles

In 2022, the Climate Change Summit (CCS) held at the Odeon Theatre in Bucharest, Romania, established itself as a pivotal platform for discussions surrounding climate action and the implementation of a green economy. The event garnered a diverse audience of approximately 1200 attendees, integrating both physical and virtual participants from a wide range of events from direct sources. This broad-based participation underscored the increasing awareness and commitment towards environmental issues, affirming the Summit's role as a comprehensive hub for discourse and action on climate change.

The Summit's agenda was enriched by the insights of over 60 international and local experts, who shared their valuable knowledge and forward-thinking strategies to tackle the ongoing climate crisis. This event was further bolstered by the involvement of more than 60 collaborative partners, symbolizing the cross-sector commitment required to face this global challenge. This wide digital reach highlights the global concern and interest in climate change issues. The Summit's influence was further amplified through extensive media coverage, with over 320 articles published, broadening its reach to an even larger audience. Overall, the 2022 Climate Change Summit served as a dynamic catalyst, successfully engaging a variety of stakeholders in the pressing conversation about carbon emissions and climate change, thereby spurring collective action towards a carbon-neutral future.

3. Emission calculation

In this report carbon dioxide equivalent (CO_2e) emissions represent the emissions of all greenhouse gases, aggregated and converted into CO_2e units using Global

Warming Potential[1] values.

Initially, the requirements of the Kyoto Protocol and, therefore, the International Protocol on Greenhouse Gases (GHGs) were limited to a set of six individual GHGs or classes of GHGs:

- carbon dioxide (CO_2)
- methane (CH_4)
- nitrous oxide (N_2O)
- hydrofluorocarbons (HFCs)
- perfluorocarbons (PFCs)
- sulphur hexafluoride (SF_6)

In addition, changes to the international accounting and reporting rules under the Kyoto Protocol now also require the reporting of another GHG, nitrogen trifluoride (NF_3)[2].

Global Warming Potential (GWP) values describe the radiative forcing impact (or degree of damage to the atmosphere) of one unit of a given GHG relative to one unit of carbon dioxide, GWP values convert GHG emissions data for non-CO_2 gasses into units of CO_2e.

The GHG Protocol Corporate Value Chain (Scope 3) Accounting and Reporting Standard (referred to as the GHG Protocol Scope 3 Standard) identifies events and conferences as a scope 3 activity that is not specifically included in the list of scope 3 categories. It recommends that a public GHG emissions report include emissions from events and conferences, and that they be reported separately from other scope 3 categories, such as in an “other” scope 3 category. Events and conferences may represent a significant quantity of emissions due to high frequency of events, large volume of attendees, or large distances travelled by attendees.

For this category of Scope 3, Events and Conference, we use to calculate the carbon footprint with the Greenhouse Gas Inventory Guidance, Indirect Emissions from Events and Conference.

The emissions sources covered include:

- travel to and from an event,
- attending the event from home,
- emissions from hotel stays by attendees,
- emissions from the event or conference venue,
- production and transportation of food, drink and materials,
- waste disposal
- the Well-to-tank (WTT) fuels conversion factors used to account for the upstream Scope 3 emissions associated with extraction, refining and transportation of the raw fuel sources and electricity.

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[1] *IPCC Fifth Assessment Report, 2013 (AR5)*
[2] *Kyoto 2nd commitment period (2013-2020)*

The carbon footprint assessment was carried out by Carbon Expert, demonstrating our commitment to transparency and accountability in our environmental impact.

ABOUT CARBON EXPERT

With twelve years of experience in the field of greenhouse gas emissions, renewable energy markets, sustainable development and energy efficiency projects, we are a group of experts who have succeeded in forming the prerequisites for professional expertise in this vast field.

We are a young team from Romania, Poland, Bulgaria, France, Germany, Italy and Spain, well versed in the carbon and energy markets, in partnership with prestigious national international organizations.

Our participation in the United Nations Framework Convention on Climate Change, IETA, CMIA, COPA COGECA recommends us to assist Romanian and international partners and clients who want to trade greenhouse gas emissions, calculate or neutralize their carbon footprint or develop green projects through which they can obtain voluntary carbon certificates as well as foreign partners who want to approach the Romanian market or other Eastern European markets.

4. Documentation sources from CCS

In our bid to accurately assess the carbon footprint of the Climate Change Summit, we adopted a meticulous and rigorous methodology that included both direct and indirect sources of carbon emissions. The CCS team gathered data from a variety of aspects such as logistical operations, number of participants, transportation modes, energy consumption, and waste management. The focus was not just on the direct emissions, such as those from on-site energy use, but also on indirect emissions from elements like participant travel, catering services, and digital components of the event, like website design and online streaming. Our objective was to generate a comprehensive picture of the event's carbon impact, striving for the most precise approximation of our overall emissions footprint.

	ODEON THEATRE	VICTORIA PALACE
No. of attendees offline	614	75
No. of attendees online (from direct media sources)	365	0
No. of employees	62	
Duration of the event	2 days	4 hours
Area (m2)	1575.46	710

No. of attendees who stayed at hotel	143[3]	11
No. of nights	2	2

5. Results of CO_2 calculation

	ODEON THEATRE **tCO_2e/location**	VICTORIA PALACE **tCO_2e/location**
Travel/mobility + activity at home	49.856	3.949
Hotels	5.657	0.435
Restaurants/catering	4.53	0.35
Energy consumption by the event	1.021	0.042
Materials	0.037	0.001
Freighting goods	0.287	0.000
Waste	0.029	0.003
Total CO_2 emissions/ location	**61.413**	**4.776**
Total CO_2 emissions/ location (tCO2/event)	**66.189 (70 average)**	

→ **DISCLAIMER**

The emission factors used in the calculation of this report are updated in 2022 according to the recommendation of The Greenhouse Gas Protocol, which establishes comprehensive global standardised frameworks for measuring and managing greenhouse gas (GHG) emissions from public and private sector operations, value chains and mitigation actions. For the GHG emissions of the quantity of electricity, the emission factors issued by the national energy authority, ANRE, for the year 2021.
We have also used the U.S. EPA Center for Corporate Climate Leadership's (The Center) GHG guidance, which is based on The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (GHG Protocol Corporate Standard) developed by the World Resources Institute (WRI) and the World Business Council for Sustainable Development (WBCSD).

[3] Estimated by number of attendees comes with the travel mode "Air"

In order to minimise possible errors of the collected data of the event and have more accurate results, we have supplemented with 5% the total calculated CO2 emissions.

**We must note that the reported emissions figures, based on preliminary data, may not capture all aspects of the event, such as attendee travel and late-surfacing data. We state this in the spirit of transparency and continuous improvement in our environmental assessments.*

6. Emission factors

The GHG Protocol is an internationally accepted standard developed by the World Resources Institute and the World Business Council for Sustainable Development. The standard aims to harmonise the calculation of greenhouse gas emissions across companies and organisations to ensure consistency for emissions trading schemes and climate initiatives.

The emission factors used in the calculation of this report are updated in 2022 and are taken from the public data of the Department for Environment, Food & Rural Affairs UK (DEFRA) according to the recommendation of GHG Protocol which establishes comprehensive global standardised frameworks for measuring and managing greenhouse gas (GHG) emissions from public and private sector operations, value chains and mitigation actions.

For the GHG emissions of the quantity of electricity, the emission factors issued by ANRE for the year 2021 were used.

7. Climate Change Summit commitments

The Climate Change Summit took significant strides in implementing both direct and indirect measures to minimize its environmental footprint and promote sustainability.

Direct Commitments:

1. *Materials selection*: New materials were not printed; any necessary print-outs were made on FSC-certified paper (https://fsc.org/en/what-the-fsc-labels-mean).
2. *Stage design*: The materials used for stage decor were rented or repurposed by other partners post-event. Plants used for stage decor were donated to partners and Hospice for office decoration.
3. *Website construction*: A minimalistic design was chosen to reduce the carbon impact, with fewer pictures and videos. Hosting was provided on green servers (https://www.greengeeks.com/), and the website used Cloudflare for

image optimization. A dark mode option was included to minimize energy consumption on visitors' displays.

4. *Green server subscription*: A monthly subscription is paid to maintain the green server.
5. *Encouraging public transport*: Attendees were encouraged to use public transport to attend the Summit.
6. *Hotel and dining venue selection*: Careful consideration was given to the location of the hotel and dining venues for speakers and guests to be in proximity of the event venue.
7. *Europe-based speakers*: The majority of speakers were based in Europe, reducing the carbon footprint associated with travel.
8. *Hybrid event*: Some speakers participated online, while others traveled by train, reducing carbon emissions. Attendees could also check the event's agenda through an online application or digital/media partners.

Indirect Commitments:

1. *Catering choices*: **RPET**, a material with a low carbon footprint, was chosen for most of the beverages.
2. *Event location*: The Summit was held in a central city location, reducing travel distances.
3. *Electric and hybrid vehicles*: These were included in the event's fleet.
4. *Sustainable badges*: More sustainable alternatives were chosen for badges.
5. *Waste collection*: Partnered with **Recicleta** for waste collection.
6. *Recycled paper report*: Only a few copies were printed physically.
7. *Digital advertisement*: Instead of prints, digital displays and hologram backpacks worn by volunteers were used for advertising.
8. *On-the-spot badge printing*: To minimize waste, badges were printed on the spot as guests arrived.

All these commitments reflect the Climate Change Summit's dedication to walking the talk on sustainability and setting an example for future events.

8. Further effort

At the Climate Change Summit, we are deeply committed to setting a leading example in inspiring genuine and impactful action on climate change. It is with this intent that we have chosen to focus on minimizing our environmental footprint as much as possible and contributing to carbon capture and recycling going even further, a decision that demonstrates our dedication to operating in an

environmentally conscious and responsible manner. To address this, we have invested in a robust program - the **GS5099 Greentech' Emissions Reductions from PET Recycling project**, based in Buzău, Romania. This program contributes to reducing the environmental impact of PET use Our decision serves as an indication of our comprehensive approach to sustainability. We continually strive to reduce our emissions and we will engage in further efforts that have a positive impact on the environment. This approach ensures that our actions resonate with our mission to stimulate substantial discussions on climate change.

Our aim is to establish a platform that encourages dialogue and formulates solutions surrounding climate change, all while setting a benchmark for sustainable event management. We ardently hope that our commitment to limiting emissions as much as possible and further contributing to actions with proven positive impact on the environment will inspire our participants, partners, and the wider community to emulate similar actions in their operations, ultimately contributing to a broader systemic change towards a sustainable future.

9. Alignment with the Sustainable Development Goals (SDGs)

Our platform serves as a catalyst for discussions, collaborations, and the exchange of knowledge at national and global level on *crucial climate change topics* that align with and support the objectives of the following SDGs:

SDG 4 - Quality Education: By fostering knowledge exchange and promoting educational resources about climate change and sustainability, the Summit contributes to the goal of ensuring inclusive and equitable quality education.

SDG 7 - Affordable and Clean Energy: The Summit fosters conversations about renewable energy technologies, contributing to the larger discourse on creating affordable, reliable, sustainable, and modern energy for all.

SDG 8 - Decent Work and Economic Growth: Through emphasis on green economy opportunities, the Summit supports the development of sustainable economic growth and decent work for all.

SDG 9 - Industry, Innovation, and Infrastructure: The Summit supports dialogue around sustainable and innovative infrastructural practices, encouraging thought leadership in the area of sustainable industrialization and infrastructure.

SDG 11 - Sustainable Cities and Communities: Our focus on urban sustainability and smart cities promotes dialogue on building inclusive, safe, resilient, and sustainable cities and human settlements.

SDG 12 - Responsible Consumption and Production: Through the Summit, we stimulate discussions on responsible consumption and production, advocating for resource efficiency and sustainable practices at all levels.

SDG 13 - Climate Action: At its core, the Summit promotes urgent action to combat climate change and its impacts, serving as a key platform for climate action dialogues and awareness.

SDG 15 - Life on Land: By highlighting the importance of sustainable land use and conservation in our conversations, we are supporting the goal of protecting, restoring and promoting sustainable use of terrestrial ecosystems and natural resources.

SDG 17 - Partnerships for the Goals: Our platform encourages the establishment of national and global partnerships by creating a space for collaboration and dialogue among various stakeholders.

By promoting these SDGs, the **Climate Change Summit** emphasizes its commitment to sustainable development. We aim to inspire participants, partners, and the wider public to engage with these global goals and incorporate them into their own sustainability activities or strategies.