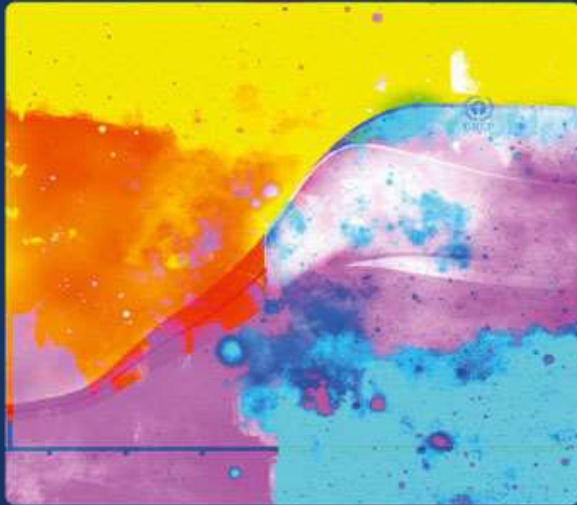


# CONTEXT

# IPPC REPORT



ipcc  
INTERGOVERNMENTAL PANEL ON climate change



## Global Warming of 1.5 °C

An IPCC special report on the impacts of global warming of 1.5 °C above pre-industrial levels and related global greenhouse gas emission pathways, in the context of strengthening the global response to the threat of climate change, sustainable development, and efforts to eradicate poverty.

## To keep to 1.5°C

co2 emissions would have to decline by **45%** before **2030**



renewable energy will need to supply **70-80%** of power by **2050**




# EVENT SUSTAINABILITY GAP – GOOD INTENTIONS VS ACTION



89% have identified sustainability as a priority.

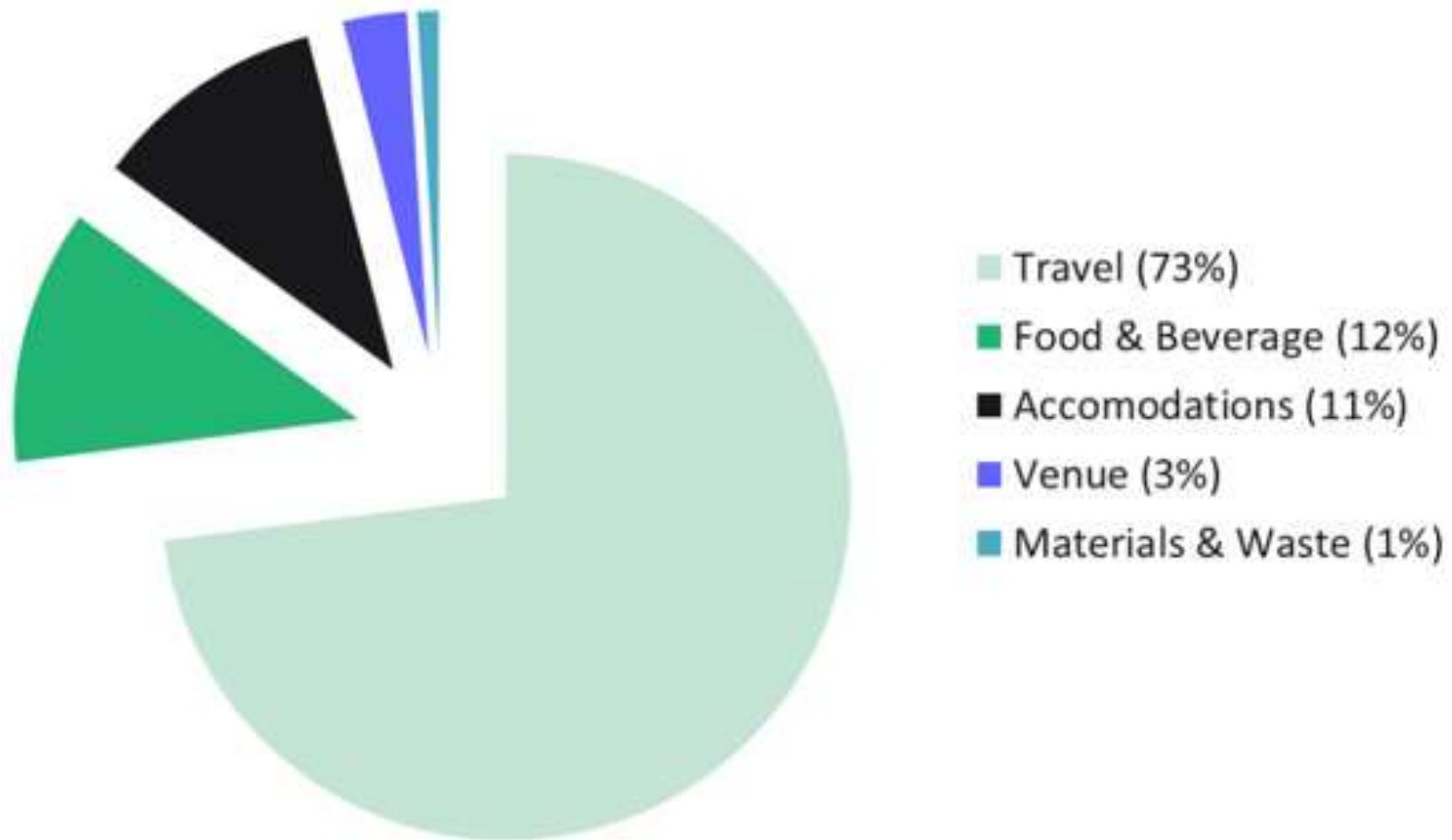
Only 14% are believing that the industry has made a good progress.



# HOW TO REDUCE?

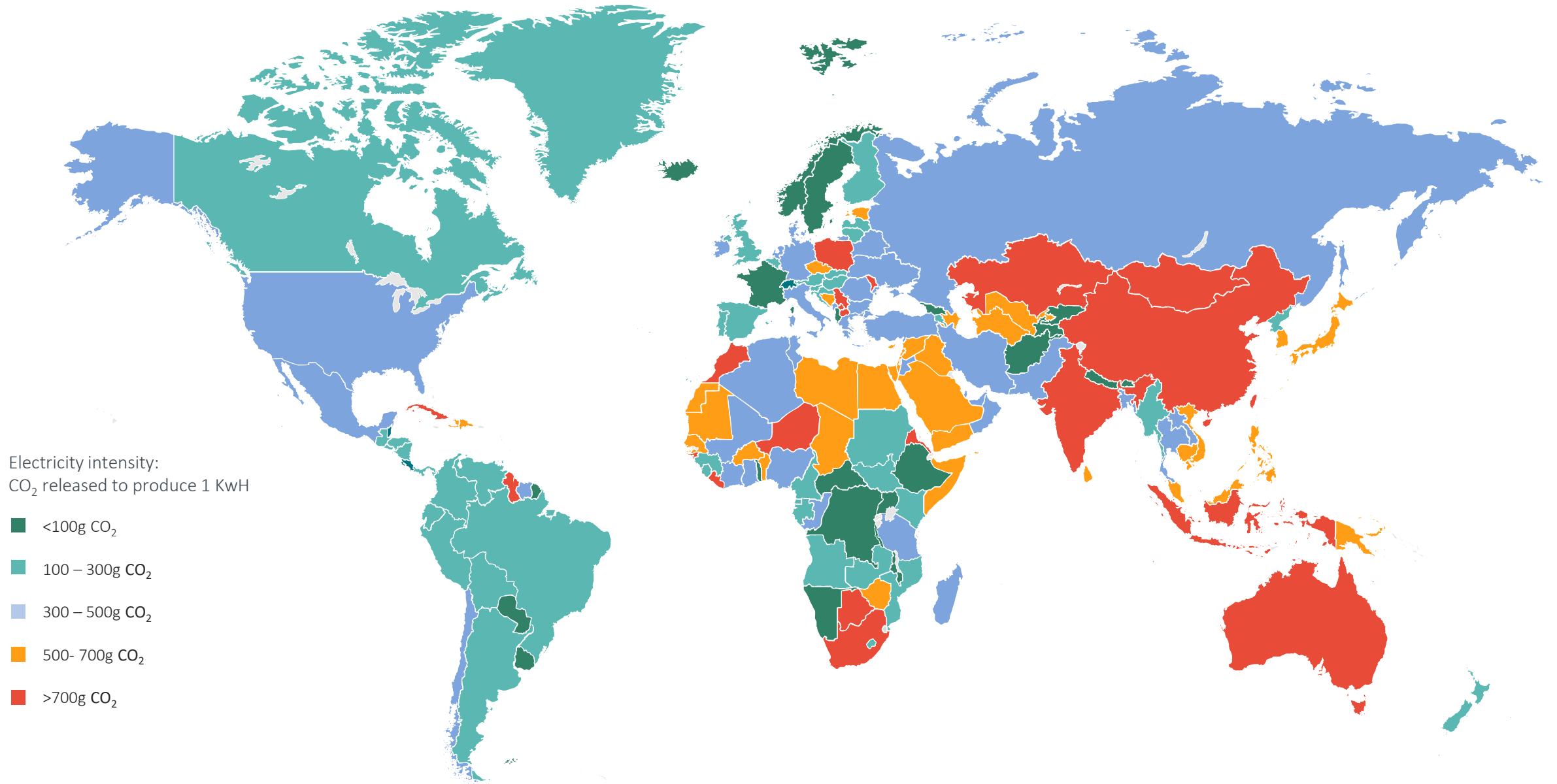
**REDUCE  
REUSE  
RECYCLE**

# CARBON FOOTPRINT OF A LIVE EVENT



Source: <https://greeneventninjas.com/the-doj/revealing-look-carbon-footprint-of-an-event/>

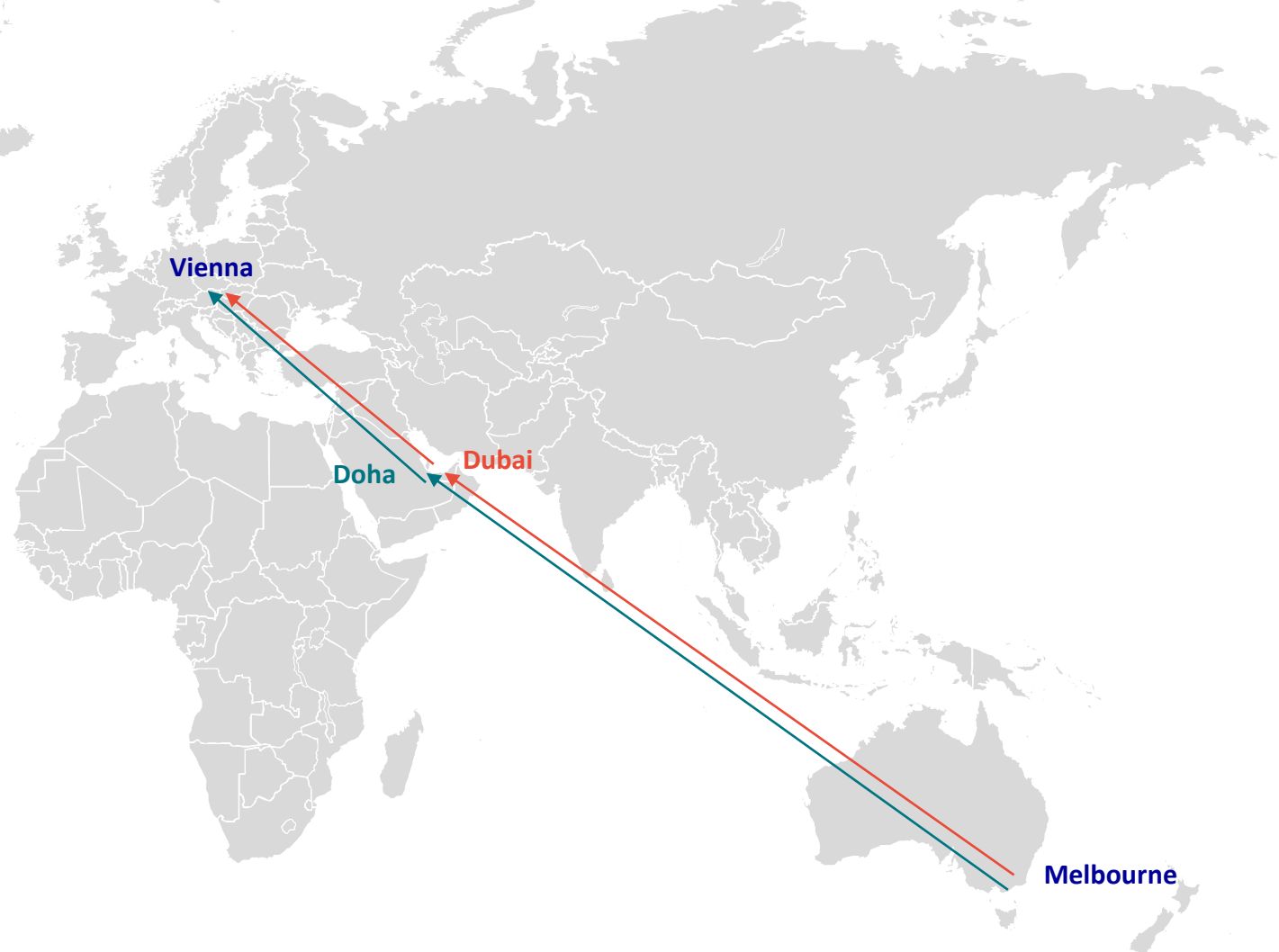
# SELECT A LOW CARBON INTENSITY COUNTRY



# SELECT BETTER AIRCRAFT: EX. MELBOURNE - VIENNA

✓ For an itinerary MEL-SYD, **Qatar Airways** is clearly a better option as it operates with 2 Airbus 350. **Emirates** uses A380 and B777, less efficient.

✓ Each individual flight with Qatar Airways can save **1,2 tons of CO<sub>2</sub>** vs Emirates. It is equivalent to 7,500km drive by car.

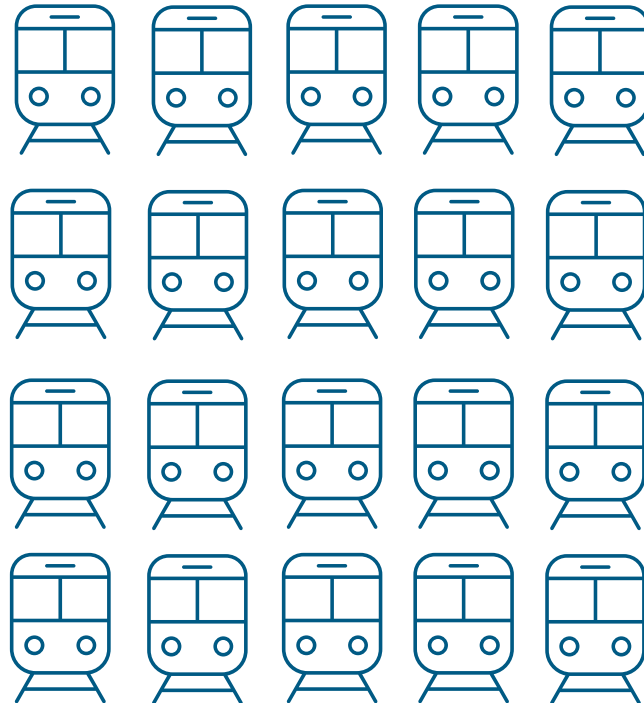


Qatar Airways via Doha: **3,4 tons of CO<sub>2</sub> RT**

Emirates via Dubai: **4,6 tons of CO<sub>2</sub> RT**

# USE TRAIN AS MUCH AS YOU CAN

**The most polluting train pollutes far less than the most efficient plane...**



Taking a train is on average **20x less polluting** than taking a plane (and much more in countries with decarbonised electricity such as Sweden, France...)



# CHOOSE MORE SUSTAINABLE HOTELS

EXAMPLE HOTEL 1



- Electricity supply exclusively from renewable sources
- 50% of the energy used to heat water comes from hotel itself
- Food mostly local & organic (rum arrives with sailboat !)

EXAMPLE HOTEL 2



- Electricity supply exclusively from renewable sources
- No single-item plastic
- Bike rental
- Food mostly local & organic

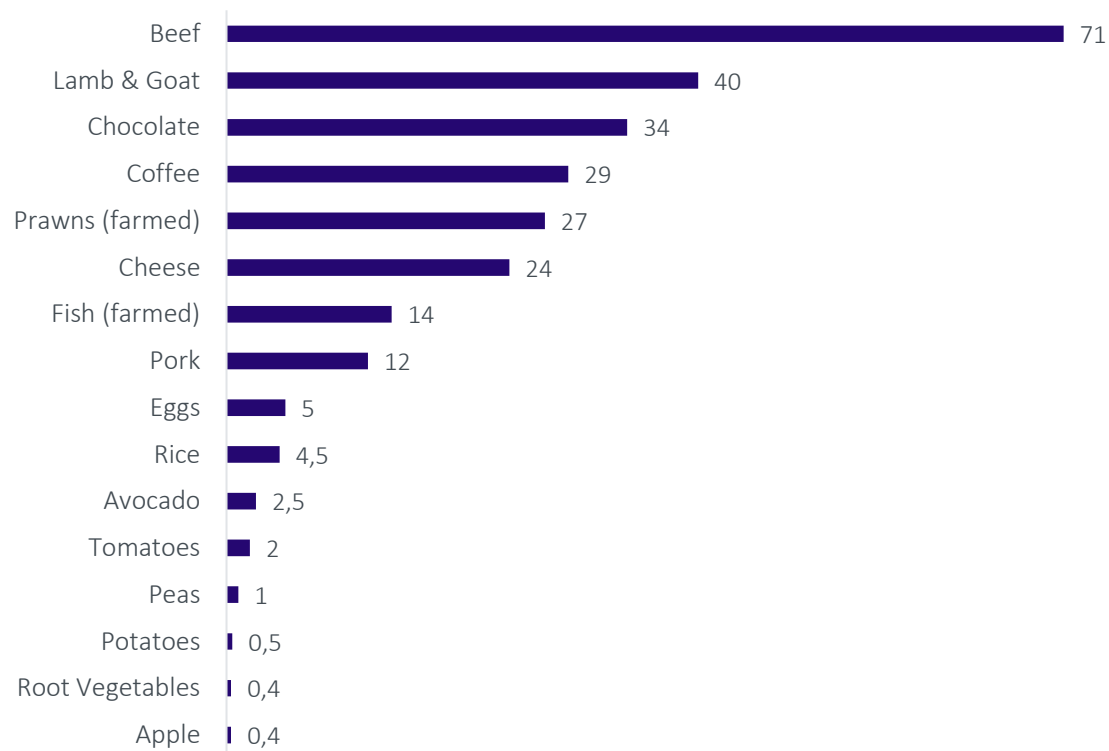
EXAMPLE HOTEL 3



- Known as the 1<sup>st</sup> social business hotel in Austria
- Run by 12 apprentices with a refugee background and 25 industry professionals

# THE IMPACT OF FOOD

CO<sub>2</sub> footprint (kg) of 1kg of...



Source: Poore & Nemecek (2018)



The impact of meat (especially beef) is significant - 50% is from CO<sub>2</sub> and 50% from methane (CH<sub>4</sub>)



On average, a vegetarian meal consumes 2.5 times less CO<sub>2</sub> than a meal with meat



Communication has to be “careful” and not be seen as intrusive. Educating people is necessary because changing dietary habits is one of the most efficient way to decrease individual CO<sub>2</sub> emissions



## REDUCE FOOD WASTE

**AVERAGE EVENT FOOD WASTE**

**15% À 20%**

Source: <https://insights.bcdme.com/blog/how-to-avoid-food-waste-at-meetings-and-events>

# CARBON FOOTPRINT OF A VIRTUAL EVENT

**64%**

**Network data transfer**

**15%**

**Pre-event planning**

**11%**

**Computer use during the event**



# **CARBON FOOTPRINT CALCULATOR**



## CALCULATOR OBJECTIVES

- Provide an easy-to-use tool that gives an accurate view of environmental impact of an event. Focus is on CO<sub>2</sub>, but other aspects have to be considered as well (ex plastic, water...)
- Influence decision makers (ex. meeting organizers) to make them choose more sustainable options.
- Educate organisers/attendees on key sustainability topics.

# CALCULATOR: INPUT

## MICE CO<sub>2</sub> Calculator

BCD travel

ADVITO

### GENERAL INFORMATION

Name of event	
Number of participants on site	50
Number of on-line participants (if hybrid or virtual meeting)	10
LOCATION	
Country	Germany
City	Frankfurt
Main airport	FRA
State (US/Canada only)	
Event duration	3 days

Please enter entire numbers (ex not 50/60)

Please enter entire numbers (ex not 50/60)

Closest airport from the event

### TRAVEL

One-way distance between event property and main airport (km)	20
Mode of transportation mostly used from airport to event	100% Taxi / Ride Share
Mode of transportation mostly used from hotel to the event (applicable only if accomodation and event are 2 different places)	100% Taxi / Ride Share
One-way distance between event property and accomodation (km) (applicable only if accomodation and event are 2 different places)	20

Please fill in other travel details here

### EVENT

Name of the property where event takes place	Marriott Frankfurt
Property Category for the event	Upper Upscale
Food & Beverage provided ?	Yes
Vegeterian meals provided ?	Yes
If yes, what percentage ?	25%
What % of food is expected to be wasted ?	10 - 20 %
How will waste food be disposed ?	Landfill
Plastic bottles provided to participants ?	No
Single usage item (ex glasses) mostly made of	Cardboard
Meeting duration per day (hours)	8

Click here for help on Hotel Category

- ✓ Transportation
- ✓ Live vs Virtual vs Hybrid
- ✓ Accommodation
- ✓ F&B
- ✓ Event location
- ✓ Use of plastic
- ✓ ...

# CALCULATOR RESULTS

## TRAVEL

Emissions  
(kg of CO<sub>2</sub>)

Air	111 237,8
Train	4,3
Car	1 524,6
Short transport	1 112,3
<b>Total Emissions</b>	<b>113 879,1</b>
<b>Emissions / participant</b>	<b>2 277,6</b>

## EVENT

Food	339,6
Food waste	77,6
Plastic	63,9
Meeting Room	126,5
Gifts	200,6
<b>Total Emissions</b>	<b>808,2</b>
<b>Emissions / participant</b>	<b>16,2</b>

## ACCOMODATION

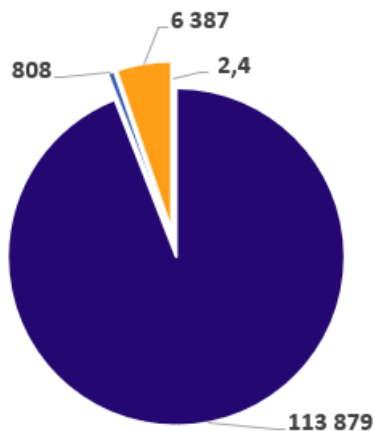
<b>Total Emissions</b>	<b>6 386,5</b>
<b>Emissions / participant</b>	<b>127,7</b>

## VIDEOCONFERENCE

<b>Total Emissions</b>	<b>2,4</b>
<b>Emissions / participant</b>	<b>0,01</b>

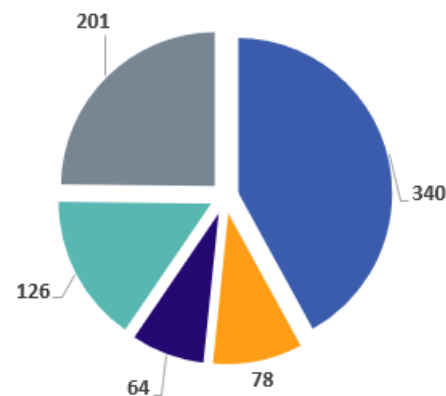
Your total CO<sub>2</sub> footprint is  
**121 074 kg of CO<sub>2</sub>**

Total CO<sub>2</sub> Footprint (kg)



■ Travel ■ Event ■ Accommodation ■ Videoconference

Event only - CO<sub>2</sub> Footprint (kg)



■ Food ■ Food waste ■ Plastic ■ Meeting Room ■ Gifts

Other environmental impacts

**41 253** Liter of water used  
**31** kg of food waste  
**14** kg of plastic waste



# EVALUATE SAVINGS

During this event, we saved **11 370 kg of CO2** thanks to better choices & practices

ACTIONS	SAVINGS (KG OF CO2)
Fly better aircrafts	5 200
Replace Air by Train	2 750
Source seasonal food	250
Source local food	120
Source more vegetarian food	1 500
Goodies: pens instead of tee shirts	1 200
No plastic	350

# CARBON OFFSETTING?



## “CLASSICAL” OFFSETTINGS DO NOT WORK

- 80% offsetting projects **are not viable**, according to last scientific studies.
- Reasons are multiple: **carbon price much too low, lack of additionality, uncertainty** (giant fires in California destroyed trees planted as part of offsetting projects), **double counting**, « race to CO2 » - leading sometimes to monoculture which puts biodiversity at risk...etc
- From a scientific perspective, **no company can be neutral or net zero**, at least short term. SBTi allows net zero claims, but only after a few years, when CO2 decreases have been achieved first.

It would not make sense to promise you carbon neutrality for your event. But we can propose advanced and innovative projects that make a real environmental impact.

## FUNDING MORE EFFECTIVE PROJETS

- + In a sustainable forestry projects, carbon sequestration is only a co-benefit. Other key components include:
  - Biodiversity protection or regeneration
  - Water preservation
  - Social and Economic development of local populations
  - Better agricultural practices (ex agroforestry)
  - Soil fertilization
  - Flooding prevention
  
- + **Those elements are fundamental but are more difficult to measure than CO<sub>2</sub>. Most carbon credits do not consider this holistic approach, and this focus on CO<sub>2</sub> excludes some local project leads from offsetting funds.**

**THANK YOU**