

EGOS 2019 Edinburgh CO₂ Emissions

Edinburgh Conference – Environmental Impact



2,200
Participants



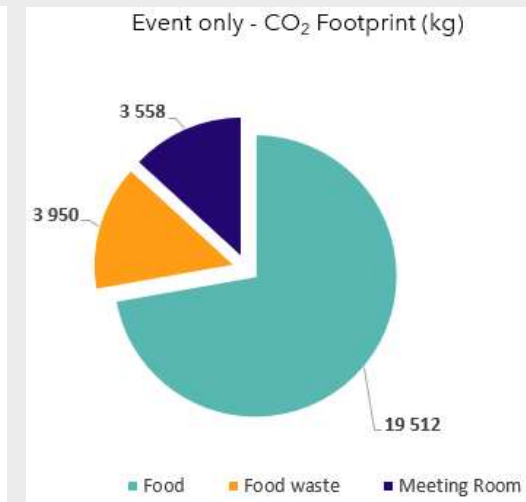
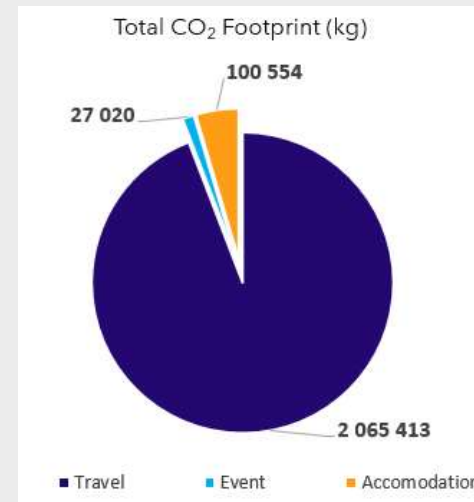
2,193
Tons of CO₂



93%
Emissions come from
Air Travel



2,0
Million Liters of Water
Used



Results in *ca.* 1 ton CO₂/person

Methodology Used

Air

DEFRA with
Radiative Forcing
(non-CO₂ effect)

Established
Target Rates

Hotel

Advito – GATE4
(category &
carbon intensity)

Non-program market
YOY ABR savings

Rail

Advito – GATE4
(carbon intensity)

Program market
incremental savings

Food

FAO database

Reduced number of
program markets

Hypotheses

Assumptions made when no data was available:

- All trips are Economy Class
- All trips are return trips
- When a direct flight exists, it has been chosen
- When a connexion was required, the shortest option has been chosen
- All participants from UK traveled by train
- Average hotel category is midscale
- 250 liters of water are used per day per participant (source: Advito hotel study)

Emissions Already Saved*

120

Tons of CO₂ because all UK participants travelled by train.
This is the equivalent of **driving 16 times round the Earth**

15

Tons of CO₂ because you did not offer any t-shirt to participants. This is the equivalent of **driving twice round the Earth**

6

Tons of CO₂ because you mostly travelled with public transport from airport to hotel
This is the equivalent of **32,000 km driven**

5

Tons of CO₂ because you offered vegetarian meals
This is the equivalent of **27,000 km driven**

Emissions We Could Have Saved

300

Tons of CO₂ if all European participants (outside UK) had travelled by train.
This is the equivalent of **driving 40 times round the Earth**

90

Tons of CO₂ if all participants had chosen a more efficient flight (estimation).
This is the equivalent of **driving 12 times round the Earth**

16

Tons of CO₂ if 100% of the food consumption had been vegetarian during the Colloquium days
(assumption: food consumption outside of the Colloquium venue is conventional)
This is the equivalent of **driving twice round the Earth**