

# EGOS 2019 CO2 Emissions and Recommendations

# Edinburgh Conference – Environmental Impact



2,200  
Participants



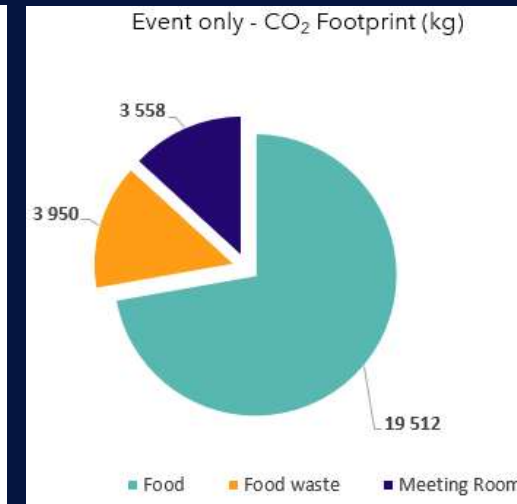
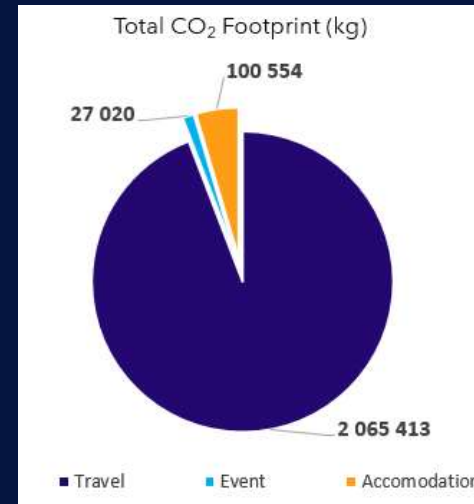
2,193  
Tons of CO<sub>2</sub>



93%  
Emissions come from  
Air Travel



2,0  
Million Liters of water  
used



> Results in ~ 1 ton co<sub>2</sub>/person

## Methodology Used

### Air

DEFRA with  
Radiative Forcing  
(non-CO<sub>2</sub> effect)

### Hotel

Advito – GATE4  
(Category & carbon  
intensity)

### Rail

Advito – GATE4  
(Carbon intensity)

### Food

FAO database

#### Assumptions we made where we had no data:

- All trips are in Economy; all trips are return trips; all participants from UK traveled by train
- Direct flights have been chosen where possible; when a connection was needed, the shortest option has been chosen
- Average hotel category is midscale
- 250 liters of water are used per day per participant (Advito hotel study)

## Emissions Already Saved\*

120

Tons of CO<sub>2</sub> because all UK participants travelled by train.  
This is the equivalent of **driving 16 times round the Earth**

15

Tons of CO<sub>2</sub> because you did not offer any t-shirt to participants. This is the equivalent of **driving twice round the Earth**

6

Tons of CO<sub>2</sub> because you mostly travelled with public transport from airport to hotel  
This is the equivalent of **32,000km driven**

5

Tons of CO<sub>2</sub> because you proposed 25% vegetarian meal  
This is the equivalent of **27,000km driven**

\*based on the assumptions explained under “methods”

## Emissions We Could Have Saved

300

Tons of CO<sub>2</sub> if all European participants (outside UK) had travelled by train. This is the equivalent of **driving 40 times round the Earth**

90

Tons of CO<sub>2</sub> if all participants (outside Europe) had chosen a more efficient flight (estimation). This is the equivalent of **driving 12 times round the Earth**

16

Tons of CO<sub>2</sub> if 100% food had been vegetarian  
This is the equivalent of **driving twice round the Earth**