



**event:decision**  
track

# for NHS ConfedExpo 2023

post event carbon footprint report

**host organisation:** NHS Confederation

**event date:** 14 - 15 July 2023

**event:** NHS ConfedExpo 2023

**location:** Manchester Central, Manchester

**date of assessment:** 6<sup>th</sup> September 2023



## your track report

### results

shows the total calculated carbon footprint associated with your event, by event function.

### benchmark

displays your event carbon footprint, represented by number of delegates or by number of square metres of booth activation, when compared with other similar measurements delivered by event:decision.

### mitigation

initial advice on potential mitigation of impact. Additional mitigation consultancy & advisory is available on request. Additional mitigation recommendations and/or analysis are available on request.

### offset

an illustration of a range of cost associated with purchasing certified carbon credits corresponding to the results, above, to deliver the event calculated by event:decision on a carbon neutral basis.

## brief

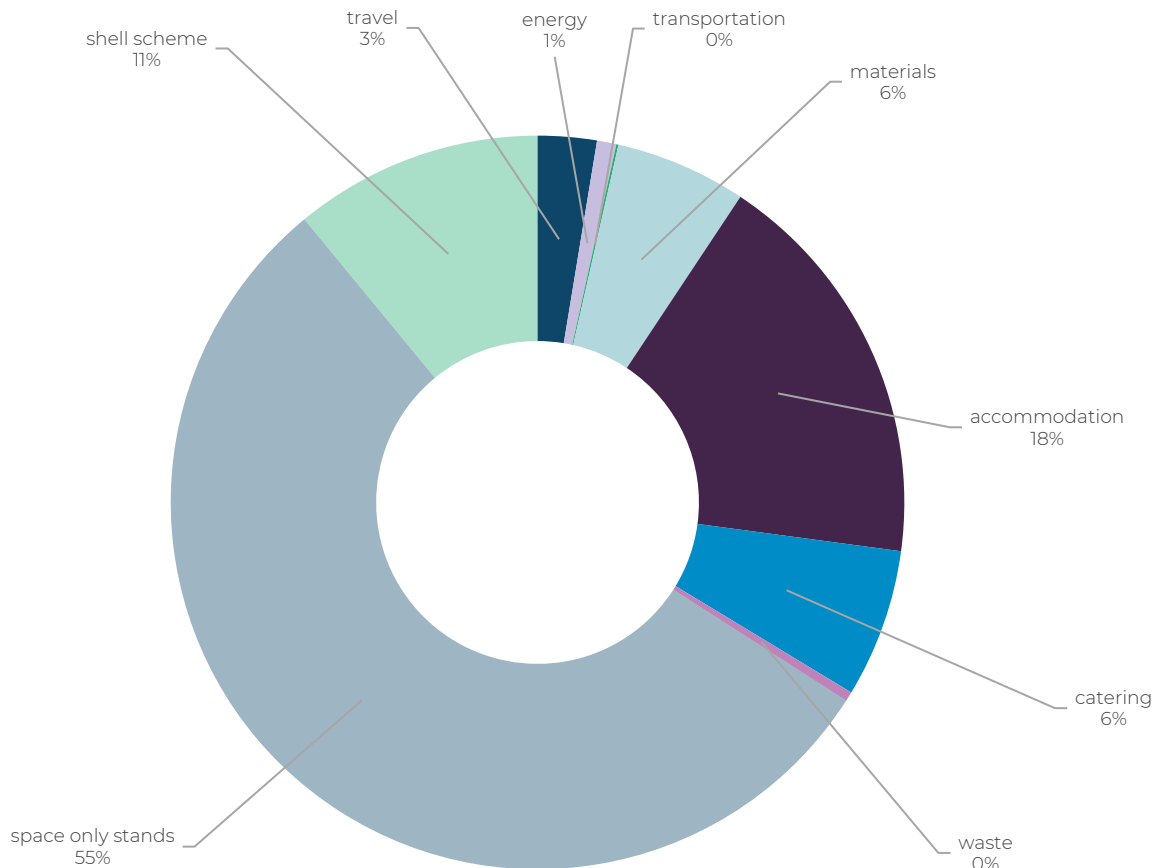
- includes emissions associated with event delivery elements as details by NHS Confederation and Manchester Central.
- spaces used as detailed within Manchester Central.
- based on 8,869 attendees across a two-day live event.
- delegate and crew travel estimated as instructed by NHS Confederation.
- delegate accommodation estimated and split between 3\* and 4\*, single occupancy. Crew accommodation based on 3\* single occupancy.
- food & beverage commensurate with delegate and crew numbers, on-site daily numbers with 20% vegetarian.
- bespoke exhibition stand-build power draw estimated. Bespoke exhibition stand footprint calculated using empirical data per sqm as detailed, based on 2-day duration for build crew, staffing, materials and associated travel, accommodation, food & beverage.
- shell-scheme exhibition stand-build power draw estimated. Shell-scheme exhibition stand footprint calculated using empirical data per sqm as detailed, based on 2-day duration for build crew, staffing, materials and associated travel, accommodation, food & beverage.



### total emissions

### NHS ConfedExpo 2023

total tCO<sub>2</sub>e calculated: 834.79 tCO<sub>2</sub>e



	actuals tCO <sub>2</sub> e	%
travel	21.68	3
energy	7.11	1
transportation	0.79	0
materials	48.29	6
accommodation	148.56	18
catering	54.62	7
waste	3.47	0
space only	458.7	55
shell scheme	91.57	11

#### boundaries:

**event** duration (days), guests (where applicable), staff, crew, event area (sqm).

**travel:** guest, crew and staffing travel by mode (air, private vehicle, public transport) class and distance.

**accommodation:** hotel nights for guests, build crew or stand staffing, by star-rating.

**catering:** includes number of meals (non-vegetarian, vegetarian, vegan) consumed by guests, crew, build staff for duration of event.

**energy:** actual consumption as estimated or measured by venue (kWh), calculated as renewable or non-renewable as applicable.

**materials:** printed matter, plastics, recyclable materials and other materials used in stand / activation builds & delivery.

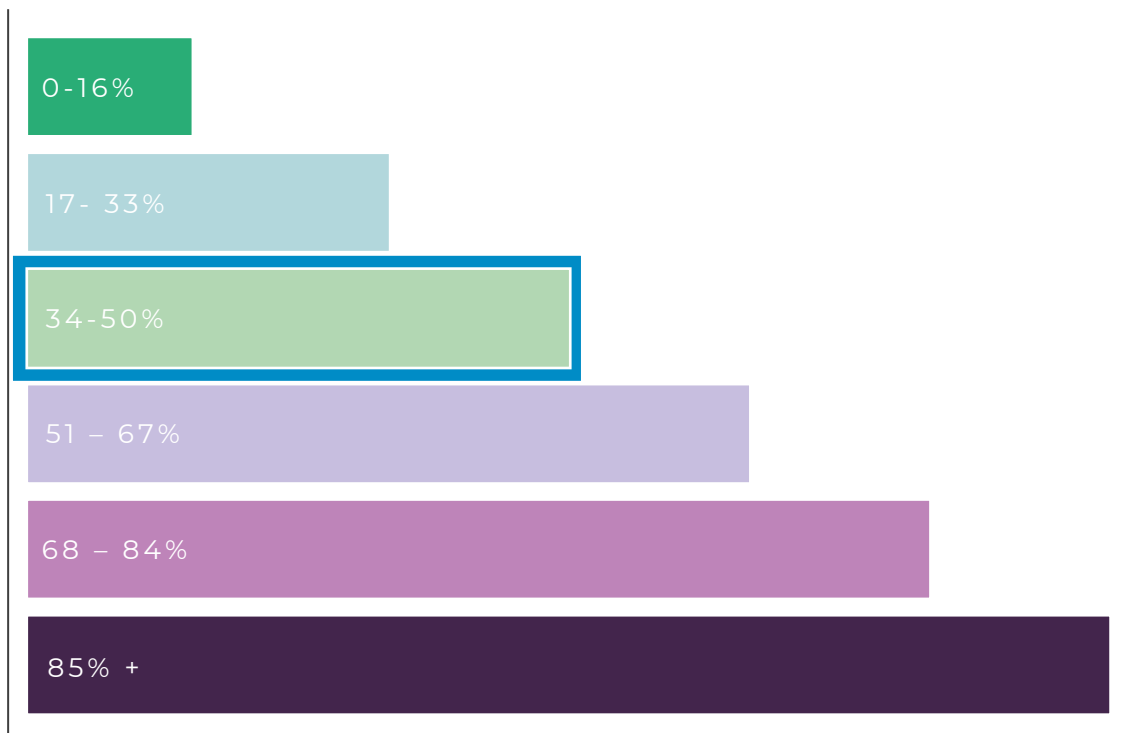
**transportation:** transported weight of AV, materials, furniture and other stand-based items, distance and mode of transportation.

**waste:** recyclable and residual waste.

**note:** a result of 0.00 tCO<sub>2</sub>e does not indicate zero emissions, merely that the category reports fewer than 10kg CO<sub>2</sub>e when reported in tCO<sub>2</sub>e to two decimal places.



Illustration of NHS ConfedExpo 2023, event footprint  
tCO<sub>2</sub>e per delegate based on 8869 persons.  
834.79 tCO<sub>2</sub>e = 0.09 tCO<sub>2</sub>e per sqm



at this level, NHS Confed Expo 2023 is within the 47<sup>th</sup> percentile of exhibition format events measured by event:decision, on a per-delegate basis.

based on calculations conducted by event:decision from Mar 2021 –present for comparison purposes.

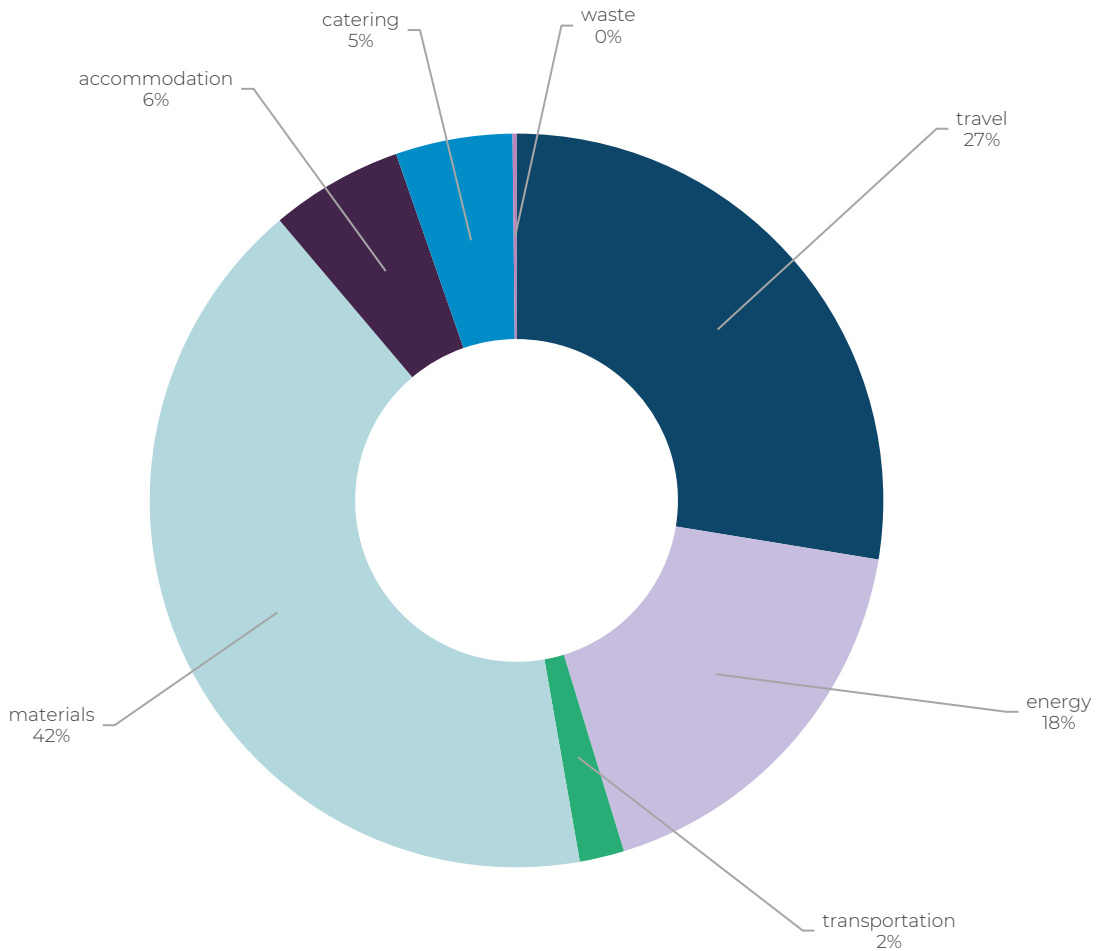
graphical data above be used for illustrative purposes only, not for ESG audit or offset reporting.

total data population (conference and exhibition builds) includes events from 50 to 140,000 delegates in virtual, hybrid and in-person event formats at a local, regional and global level, with stand-builds from 6sqm. to 200sqm.

total emissions

CORE EVENT OPERATIONS ONLY

total tCO<sub>2</sub>e calculated: 40.18 tCO<sub>2</sub>e



	actuals tCO <sub>2</sub> e	%
travel	11.08	28
energy	7.11	18
transportation	0.79	2
materials	16.71	42
accommodation	2.35	6
catering	2.07	5
waste	0.07	0

boundaries:

**event** duration (days), delegates (where applicable), staff, crew, event area (sqm.)

**travel:** guest, screw and staffing travel by mode (air, private vehicle, public transport) class and distance.

**accommodation:** hotel nights for guests, build crew or stand staffing, by star-rating.

**catering:** includes number of meals (non-vegetarian, vegetarian, vegan) consumed by guests, crew, build staff for duration of event.

**energy:** actual consumption as estimated or measured by venue (kWh). Source for renewable power

**materials:** printed matter, plastics, recyclable materials and other materials used in stand build & deliver.

**transportation:** transported weight of AV, materials, furniture and other stand-based items, distance and mode of transportation.

**waste:** recyclable and residual waste.

**note:** a result of 0.00 tCO<sub>2</sub>e does not indicate zero emissions, merely that the category reports fewer than 10kg CO<sub>2</sub>e when reported in tCO<sub>2</sub>e to two decimal places.

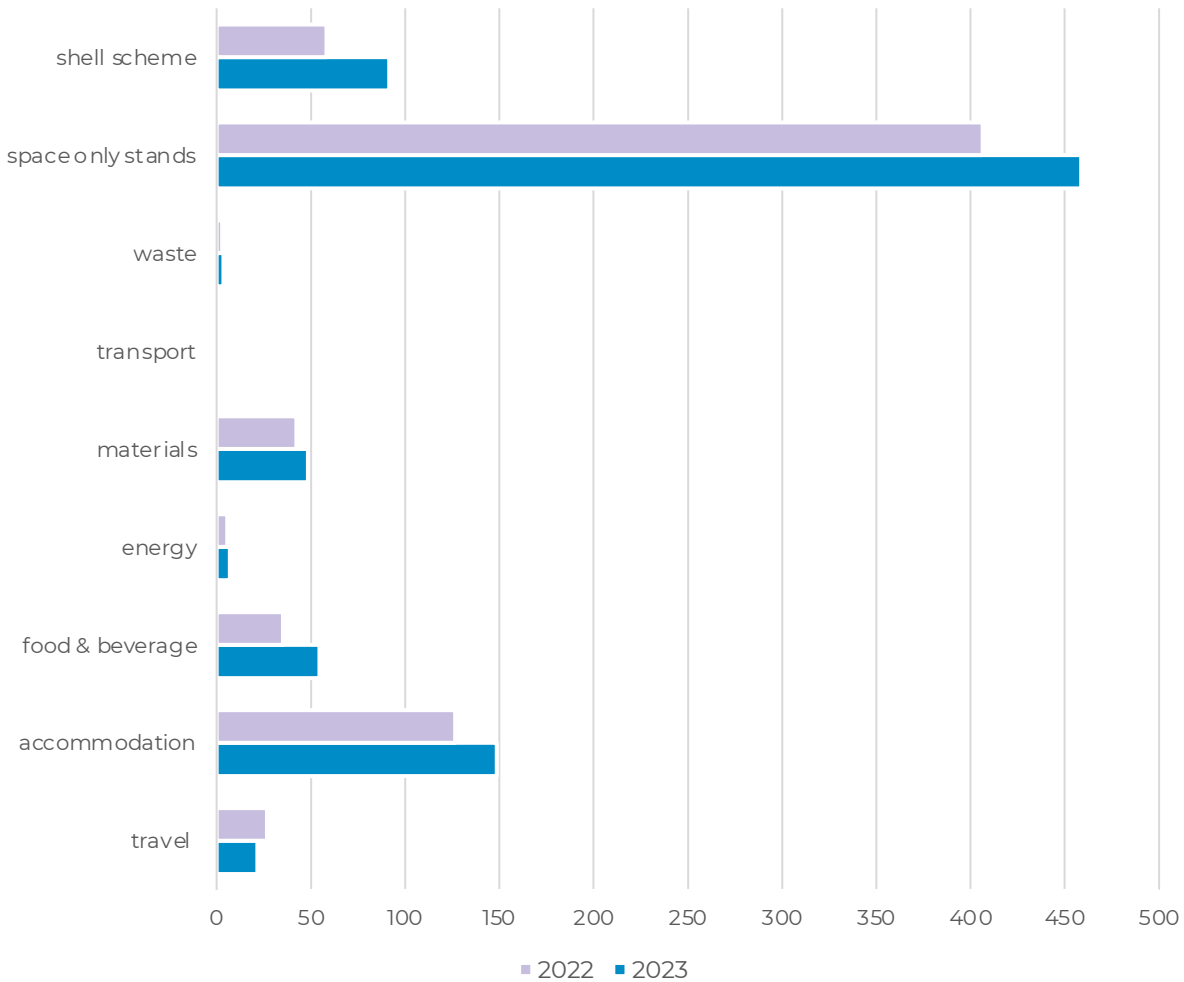


### comparison of emissions

### NHS ConfedExpo 2023

### 2022 Expo vs. 2023 Expo

there has been as small increase year on year of 8% - however the emissions per attendee have remained the same year on year



2022	actuals tCO2e	%	2023	actuals tCO2e	%
travel	26.65	4	travel	21.68	1
accommodation	126.61	18	accommodation	7.11	1
food & beverage	35.30	5	food & beverage	0.79	0
energy	5.61	1	energy	48.29	6
materials	42.41	6	materials	148.56	18
transport	1.90	0	transport	54.62	7
waste	2.82	0	waste	3.47	0
space only stand	406.44	58	space only stand	458.7	56
shell scheme	58.21	8	shell scheme	91.57	11



## mitigation considerations:

Use the data to support mitigating the emissions impact of the next event using a sustainable event planning process:

### travel

it has been estimated that most delegates travelled to the event via public transport and therefore visitor travel does not form a significant part of the overall profile. Also, by moving the event to a more centrally located venue this year even though there were more attendees the travel profile has been reduced by c.19% year on year. You may also wish to consider a virtual option for the delegates based a longer distance from the venue, although we understand that in-person attendance can be important to some visitors.

### accommodation

as in 2022, emissions associated with accommodation relating to the NHS ConfedExpo 2023 are one of the highest emissions factors, due to the high number of delegates attending across multiple days. A wider scope of work maybe considered to promote hotels with lower emissions profile per room.

### food & beverage

consider offering one or more vegetarian-only meals. For illustration, if all food provided for crew and delegates was vegetarian (all other factors remaining unchanged) the overall emissions footprint for food & beverage would be reduced by c. 36% and the overall emissions would be reduced by c. 2%

### exhibition stands (materials & crew)

bespoke / space only stands form a significant proportion (55%) of the overall emissions profile for NHS ConfedExpo 2023. You should consider providing further guidance / mandates around materials (and crew) where possible for use within the NHS ConfedExpo 2024 event.

event:decision can suggest a number of potential strategies for organisers/exhibition partners outside of this report, including in additional engagement and incentive for Space Only partners to mitigate impact.

### overall

whilst the event took place at a larger venue and the number of attendees has increased, the emissions intensity per delegate have remained at the same level year on year. Your benchmark position against other similar formatted events has moved from the 54<sup>th</sup> percentile to the 47<sup>th</sup> percentile, showing a relative improvement in emissions intensity when compared with other show-based events in the UK.

## offset

you may choose to offer offset solutions via event:decision, or via a channel within your agency or client organisation. Please contact event:decision for a menu of certified projects & providers.

it is generally accepted that mitigation is a preferable channel to offset, however as a guide, to offset all carbon emissions for the event:

### NHS ConfedExpo 2023

834.79 Tonnes CO<sub>2</sub>e

Offset calculation dependent on project & provider chosen from £5/tCO<sub>2</sub>e - £25/tCO<sub>2</sub>e. Average figure:

£4,174 - £20,870 dependant on project & provider chosen