

Scope 3 Travel Emission calculator (well, estimator)

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— Limited scope - just S3 travel

WCCSA request for help trying to calculate CO2 emissions for events

“Devil is in the detail” - trade off between accuracy and ease of data collection

Design principles:

- Low friction user interface

- Existing tools / software

- Cloud data storage

- Simple to use

Google apps!

User experience at event

Scan QR code printed on signs with phone (or have laptop for public use)

Opens a Google form in browser

Answer 4 multiple choice questions:

- 1) How far did you travel to get to this event ?
- 2) What was your primary mode of transport for your journey to get to this event ?
- 3) If a private or personal vehicle was used, how many other people shared the vehicle ?
- 4) Did you travel solely for the purpose of attending this event, or as part of a longer journey ?

Press “submit”



—Results

Survey answers automatically appended to Google sheet

“Results” tab calculates average emissions per person & total for event

“Coefficients” tab has actual emissions per mode of transport



NetWestGmailInbox (37)SPOC CCeAVUG - GGoogle CInbox (37)Inbox (9)WCCSA XWCCSA trWCCSA S WCCSA S

https://docs.google.com/spreadsheets/d/1_0oBaZEzHdpPfk4Wxo7w1eaw7zXnODe6TpjPysaKzJk/edit?gid=97897743#gid=97897

WCCSA travel survey

File Edit View Insert Format Data Tools Extensions Help

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Timestamp

	A	B	C	D	E	F	G	H	I	J	K
	Form_Responses1										
1	Timestamp	How far did you travel	What was your primary mc	If a private or persc	Did you travel sol	Avg KM	Avg CO2e	Sharing	Journey	Result	
2	12/4/2024 18:06:42	10 - 50 miles	Public transport - train	N/A	Sole journey	48	37	1	1	1776	
3	12/4/2024 23:02:10	5 - 10 miles	Public transport - bus	N/A	Sole journey	12	89	1	1	1068	
4	12/10/2024 22:28:02	5 - 10 miles	Public transport - bus	N/A	Longer journey	12	89	1	1	1068	
5	12/10/2024 22:28:28	0 - 5 miles	Walk	N/A	N/A	8	0	1	1	0	
6	12/26/2024 14:18:51	10 - 50 miles	Public transport - train	N/A	Sole journey	48	37	1	1	1776	
7	12/26/2024 14:19:21	50 - 100 miles	Public transport - train	N/A	Longer journey	120	37	1	1	4440	
8	12/30/2024 10:44:06	0 - 5 miles	Walk	N/A	Sole journey	8	0	1	1	0	
9	12/30/2024 13:04:42	0 - 5 miles	Private car - non EV	N/A	Longer journey	8	170	1	1	1360	
10	5/4/2025 19:27:28	10 - 50 miles	Public transport - tube	N/A	Longer journey	48	27	1	1	1296	
11											
12											
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16											

Form Responses 1Sheet1Results

