Belle II Sustainability Meeting

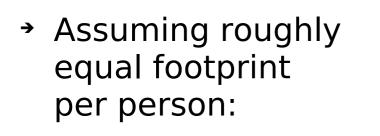
Travel Footprint

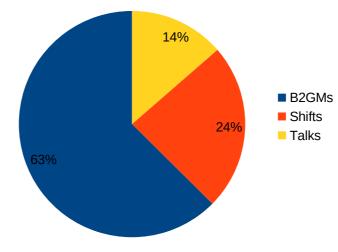
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14.02.2025

Impact of Other Travel than for B2GMs?

- Participants in B2GMs 2024 according to indico: 217 + 232 + 250 = 699
- Individuals who took CR Captain or BCG shifts during a running period in 2024 according to the shift tool:
 73 + 102 + 91 = 266
- Conference talks in 2024 according to B2MMS: 152





Offer the possibility to collaborators to provide their travel data?

- Better estimate of footprint
- Raised awareness
- Should be voluntary and as easy as possible
- Web service to collect and display the information
- Prototype at https://software.belle2.org/footprint/travel/

Add Trip (1)

Add Trip

Outbound Flight(s)

Date:	02/23/2025		Select the date of the departure of your first flight.	
Flights:	LH714		Enter the flight number(s), in case of multiple flights separate them by comma.	
Class:	Economy	~	Select the class of your flight(s).	
Return Flight(s)				
Date:	03/01/2025		If you have a return flight, select the date of the departure of your first flight.	
Flights:	NH217		If you have a return flight, enter the flight number(s), in case of multiple flights separate them by comma.	
Class:	Economy	~	Select the class of your flight(s).	

Continue

→ Enter dates, flights, class

Add Trip (2)

Flights

Date	Flight From		То	Class
02/23/2025 🛱	LH714	MUC	HND	~
03/01/2025 📋	NH217	HND	MUC	~

Purposes

-			
Primary:	B2GM	~	Select the primary purpose of your trip. For the ranking in case of multiple purposes you can consider if you would do the trip
			anyway in case of less puposes.
Secondary:	None	~	If your trip has multiple purposes, select the second one.
Tertiary:	None	~	If your trip has more than two purposes, select the third one.
Further:	0	\$	If your trip has more than three purposes, enter the number of additional ones beyond the first three.

Purposes: B2GM

Private

CR/BCG Shift Detector Work Conference Talk Other Belle II Work Non-Belle II Work

Submit anonymously

The trip will be stored in the database without account information and only included in aggregated information.

Submit with account information

The trip will be stored in the database and associated with your account. It will be included in aggregated information and in addition you, but no other user, can see your personal trip history and footprint.

Enter purposes and submit

Private Overview

My Trips

Dates	Route	Purposes	GoClimate	Google
2025-02-23 - 2025-03-01	MUC - HND - MUC	B2GM	5400	1205

Footprint numbers are given in kg CO₂e.

Trip

Date	Flight	From	То	Class	<u>GoClimate</u>	<u>Google</u>
2025-02-23	LH714	MUC	HND	Economy	2700	565
2025-03-01	NH217	HND	MUC	Economy	2700	641
Sum					5400	1205

Footprint numbers are given in kg CO₂e.

No aggregated numbers/plots implemented yet

Travel Footprint Accounting

- > Would it be useful?
- > What aggregated information do we want to have?
- Would people use it? (check box and link in B2GM registration)
- Include empty (no flights) trips for accounting?
- Is the list of purposes reasonable?
- > Other calculation methods?
- Collect data for other means of travel?

- Organization / further activities of sustainability group?
- Somebody interested in more detailed accounting of computing footprint?
- Paper?
- European Strategy Update Input on Sustainability: https://indico.cern.ch/category/18821/