

Global Tourism Emissions in 2005: CO₂ Only

Sub-Sectors	CO ₂ (Mt)		_
Air transport *	515	40%	Transportation
Car transport	420	32%	of Tourists = 75%
Other transport	45	3%	of Sector Emissions
Accommodation	274	21%	
Activities	48	4%	
TOTAL	1,307		
Total World (IPCC 2007)	26,400		* - does not include non-CO2 emissions
Tourism Contribution	5%		and impact on climate Source: UNWTO-UNEP-WMO 2008

Carbon Emissions from the Growing Travel & Tourism Sector

Most of carbon emissions in travel and tourism come from transport -- aviation is the largest offender, but land transport also contributes.

Hotels account for 20% of the sector total.

Recent advances in aircraft design and composition are delivering improvements of 20% or more in fuel efficiency and carbon emissions.

However, those improvements in per unit efficiency are offset by the strong growth in volume of the entire sector.

System-wide global commercial airlines	Passenger traffic (RPK), % Year-on-Year								
	2011	2012	2013	2014	2015	2016	2017 F		
Global	6.3	5.3	5.2	5.7	7.3	7.4	7.4		
Regions									
North America	2.9	1.0	2.3	2.7	5.3	4.2	4.0		
Europe	8.4	4.6	3.9	5.7	6.0	5.4	7.0		
Asia-Pacific	6.6	6.1	7.2	6.9	10.1	10.9	10.4		
Middle East	10.0	14.7	11.6	12.1	10.4	11.3	7.0		
Latin America	11.3	9.4	6.3	7.0	7.6	4.5	7.5		
Africa	1.6	7.5	4.6	0.3	0.0	9.4	7.5		

Voices of Protest

Excerpt from a statement the by UK group "Plane Stupid" in 2015 in opposition to adding a new runway to London's Heathrow Airport:

The demand for airport expansion is being driven by rich frequent flyers. Last year, less than half of people in Britain flew. Of those who did, a mere 15% of flyers took 70% of our flights. As well as noise and air pollution, poor people are paying the price in droughts, flooding and storms so that the rich can cook the planet with frequent leisure flights.

Destination tips for GHG reduction ASEAN countries

Transport solutions:

- Electric vehicles
- Shuttle busses
- Public transport
- Create pedestrian zones
- Develop and maintain bike paths in towns and at cultural and natural sites

Reduce air conditioning usage

- Limit ceiling height in building design for hotel ballrooms and convention centers
- Tax breaks for hotel improvements
- Visitor Centers and other public buildings set good examples for others

Hotel tips for GHG reduction ASEAN countries

Reduce air conditioning usage

- Good insulation around windows and doors
- Public areas keep the doors closed as much as possible
- Guests want air con, but not too much
- Install ceiling fans and window screens

Transport solutions:

- Electric vehicles at resorts
- Bicycle rentals (or free of charge to guests)

Reduce food waste