

# SASTDES Carbon Footprint Tool

## The Netherlands, Breda

SASTDes – Smart Assessment Sustainable Tourist Destinations

DISCOVER YOUR WORLD

## Contents

<b>1</b>	<b>Introduction</b>	<b>2</b>
1.1	Purpose	2
<b>2</b>	<b>Report Tourism</b>	<b>3</b>
<b>3</b>	<b>Report Carbon Footprint</b>	<b>7</b>

# 1 Introduction

The SASTDES Destination Carbon Footprint Tool was developed by the Centre for Sustainability, Tourism and Transport of Breda University of Applied Sciences as part of the SASTDES-project (Smart Assessment Sustainable Tourist Destinations). The project is co-funded by the Taskforce for Applied Research (SIA), part of the Netherlands Organisation for Scientific Research (NWO), under the RAAK scheme.

## 1.1 Purpose

The model's scope is for European Destinations. The model calculates the carbon footprint of the visitors to your destination based on the choice of transport modes from the source markets to the destination, the number of nights and shares of a range of accommodation types and a range of tourism activities. Results are provided for the carbon footprints per source market and divided over transport, accommodation, and activities.

## 2 Report Tourism

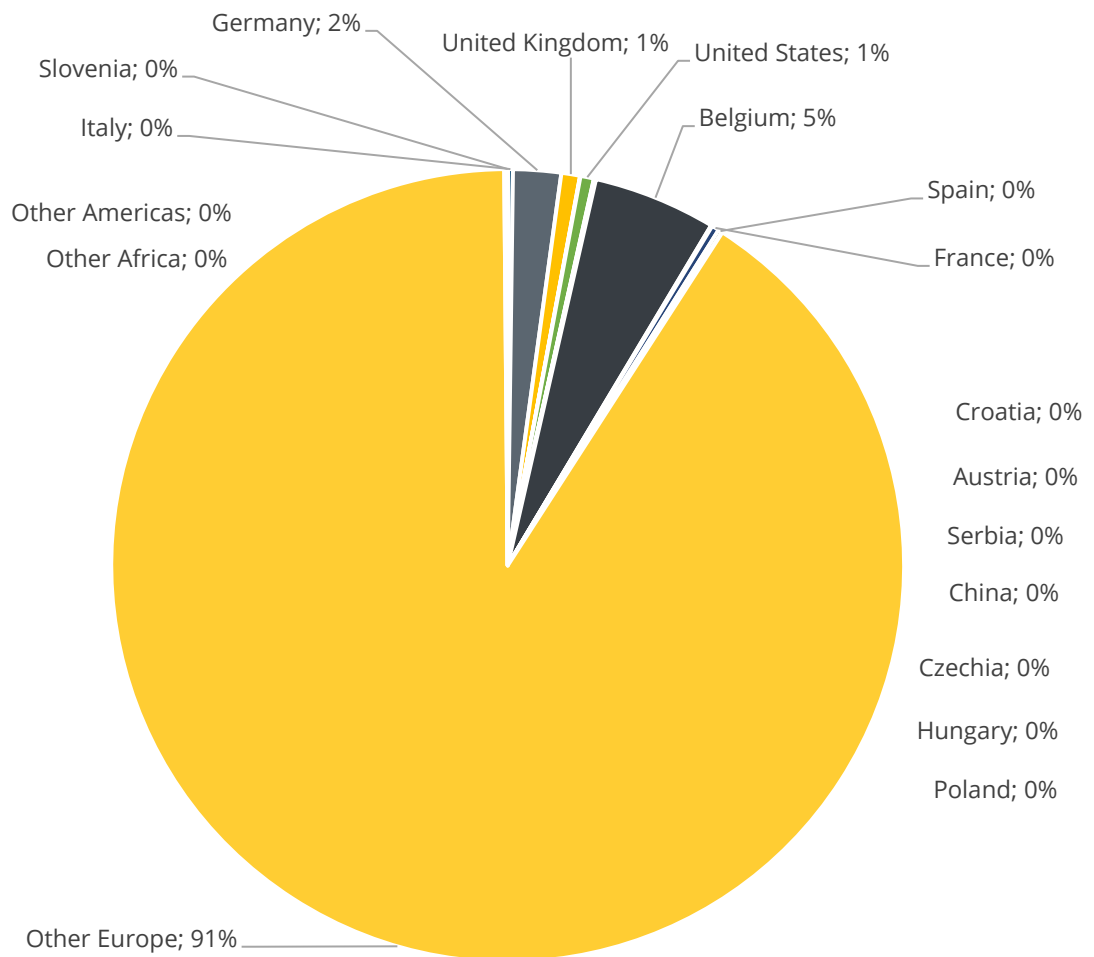
*Carbon footprint in Tonnes/year*

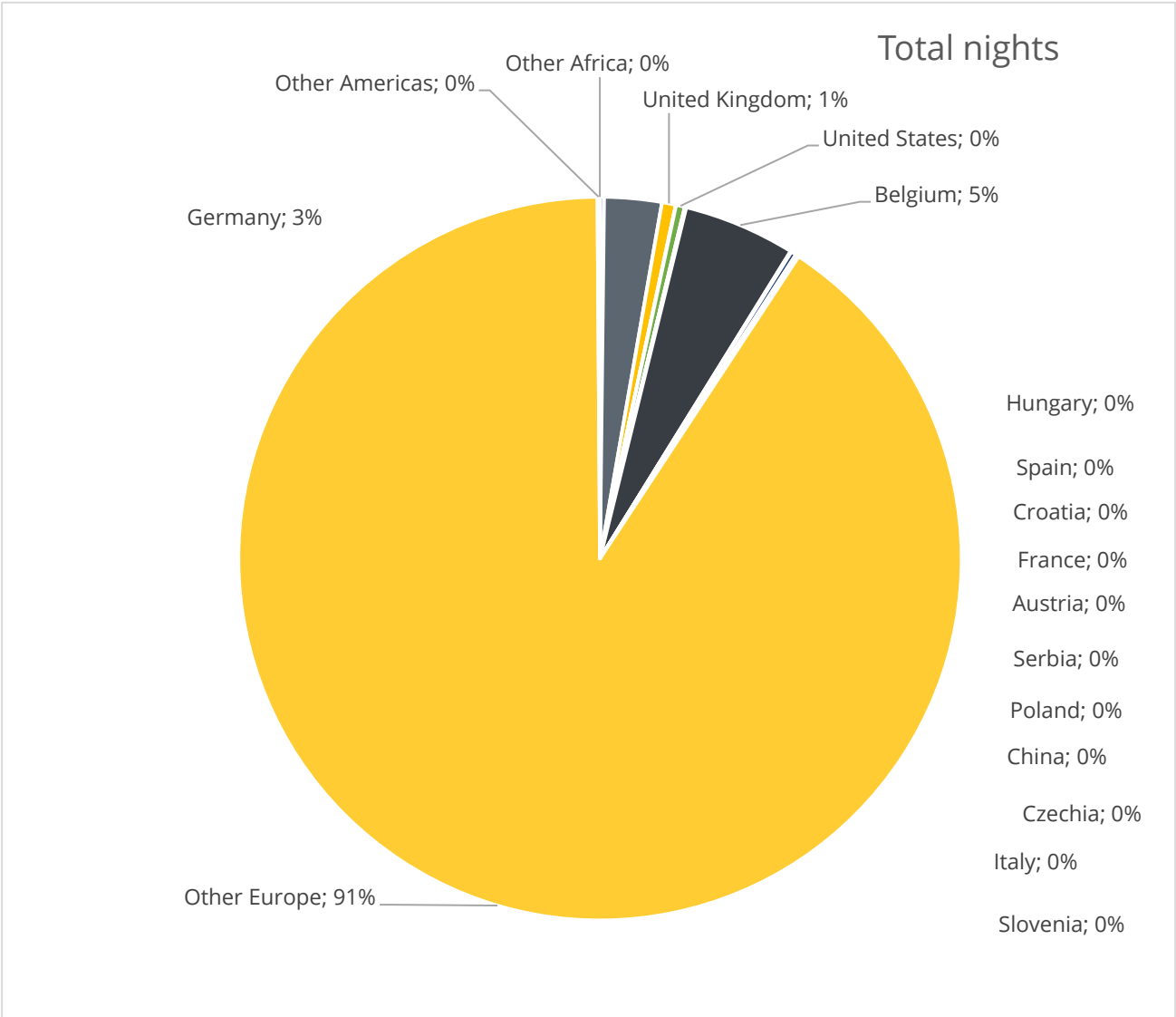
Overview of the carbon footprint	Domestic	International	Total emission	Share (%)
Transport	78232	54166	132398	93.3%
Accommodation	5743	638	6381	4.5%
Activities	2849	317	3166	2.2%
Total	86825	55121	141945	100.0%

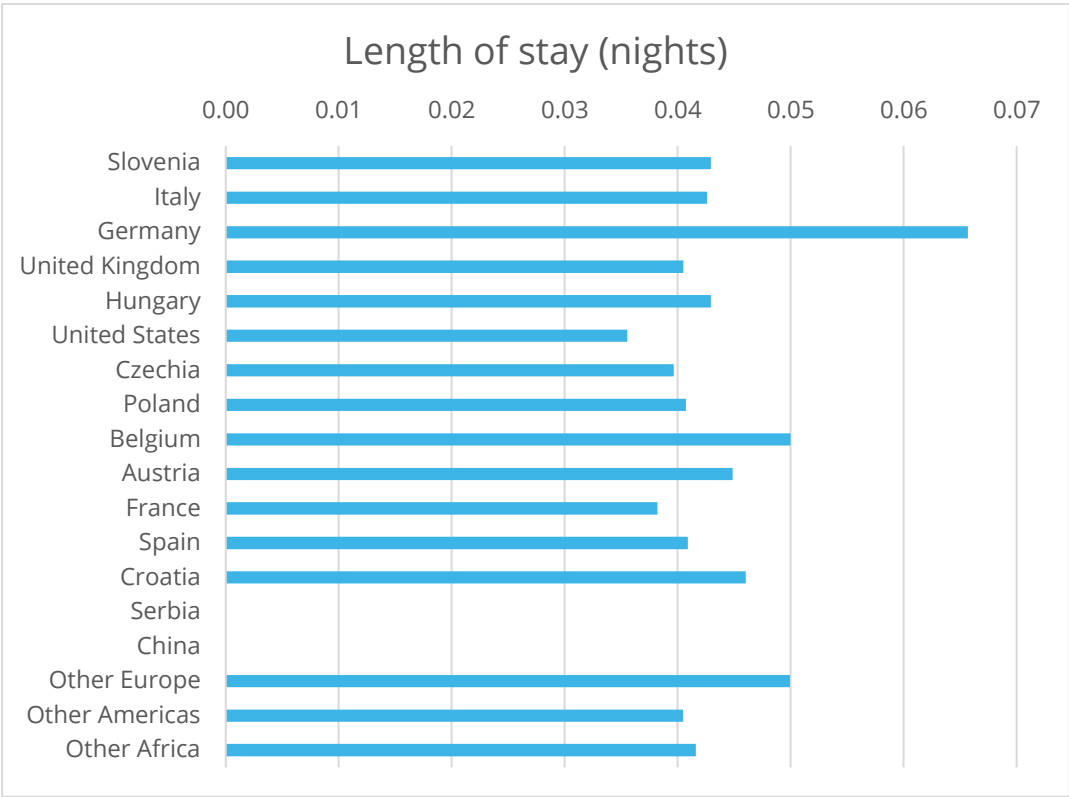
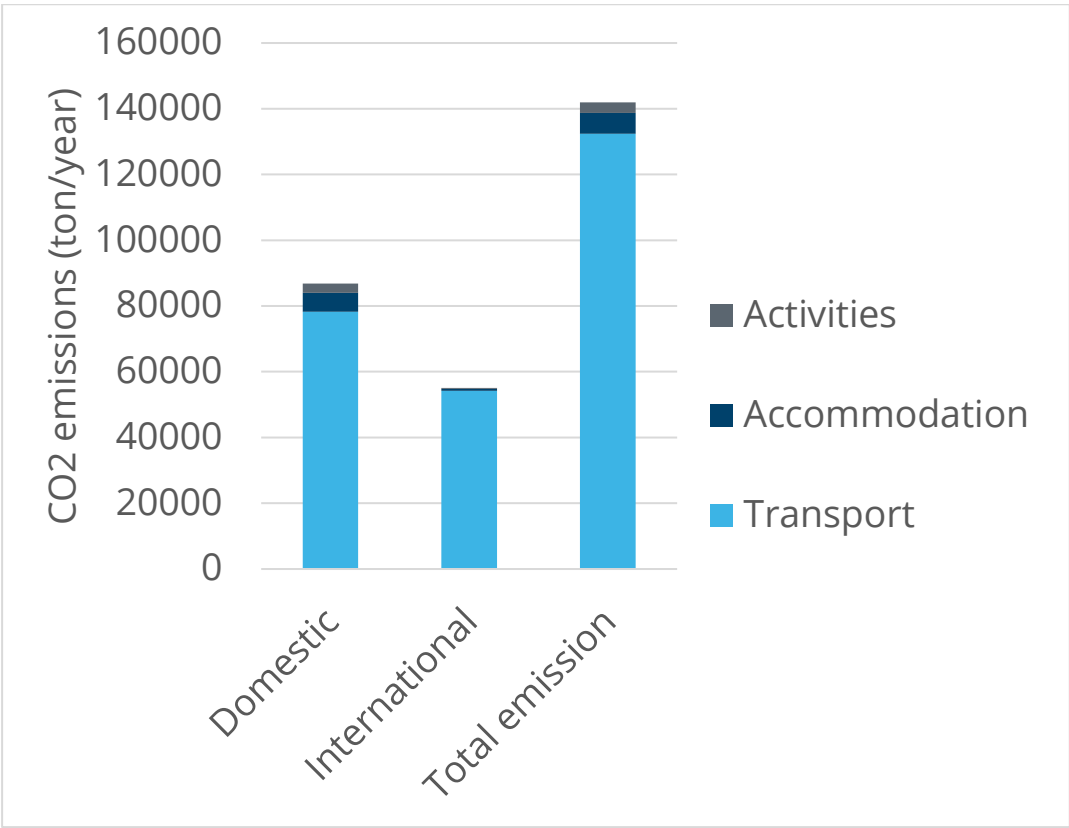
*Number of countries in overview: 15*

Source Market	Total arrivals	Total nights	Length of stay (nights)
Slovenia	490	21	0.04
Italy	13963	595	0.04
Germany	133057	8738	0.07
United Kingdom	51735	2095	0.04
Hungary	1168	50	0.04
United States	37389	1328	0.04
Czechia	1518	60	0.04
Poland	4321	176	0.04
Belgium	340600	17030	0.05
Austria	3129	140	0.04
France	20886	798	0.04
Spain	11577	473	0.04
Croatia	490	23	0.05
Serbia			
China			
Other Europe	6177554	308508	0.05
Other Americas	8272	335	0.04
Other Africa	1087	45	0.04

## Total arrivals







### 3 Report Carbon Footprint

*Carbon footprint in Tonnes/year*

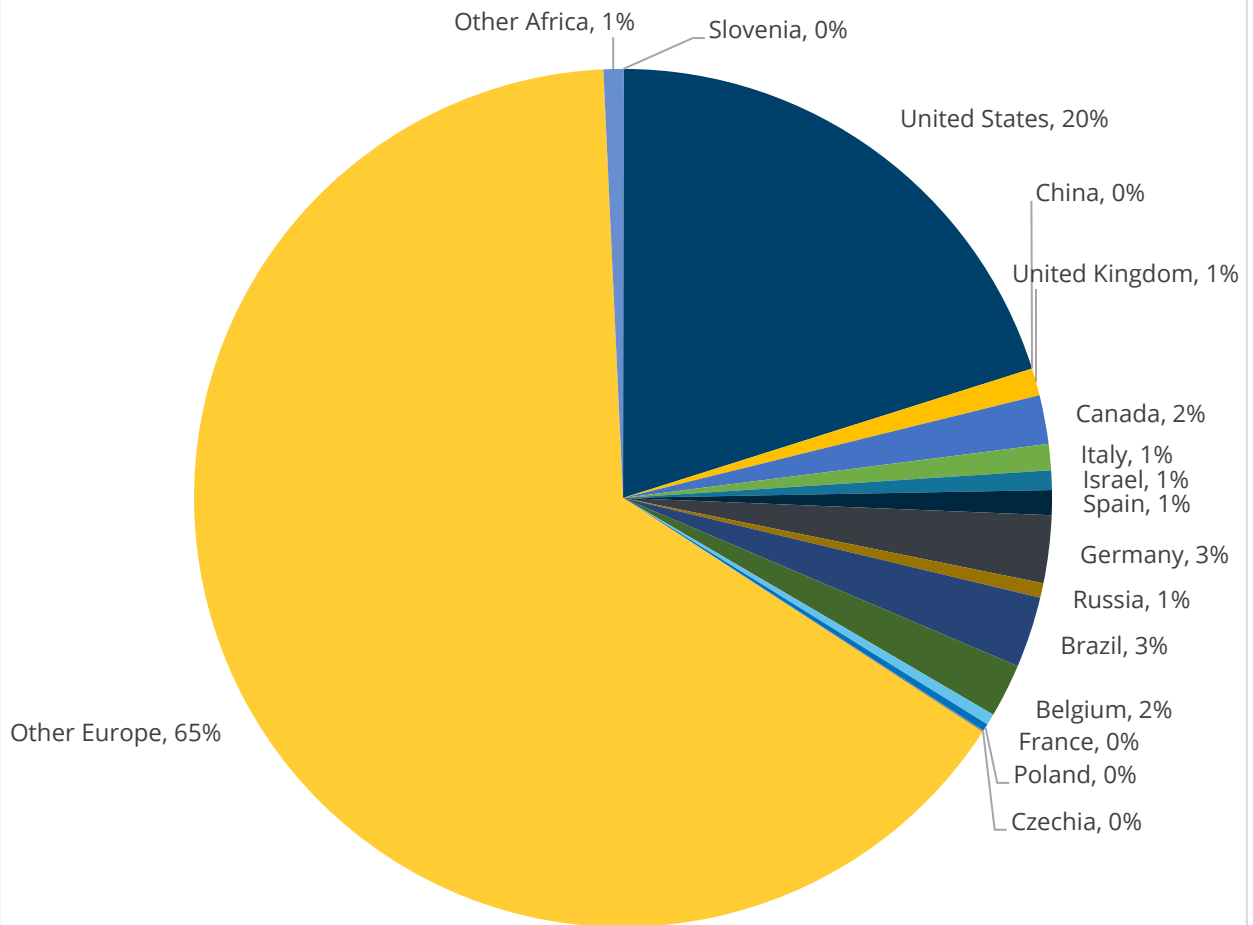
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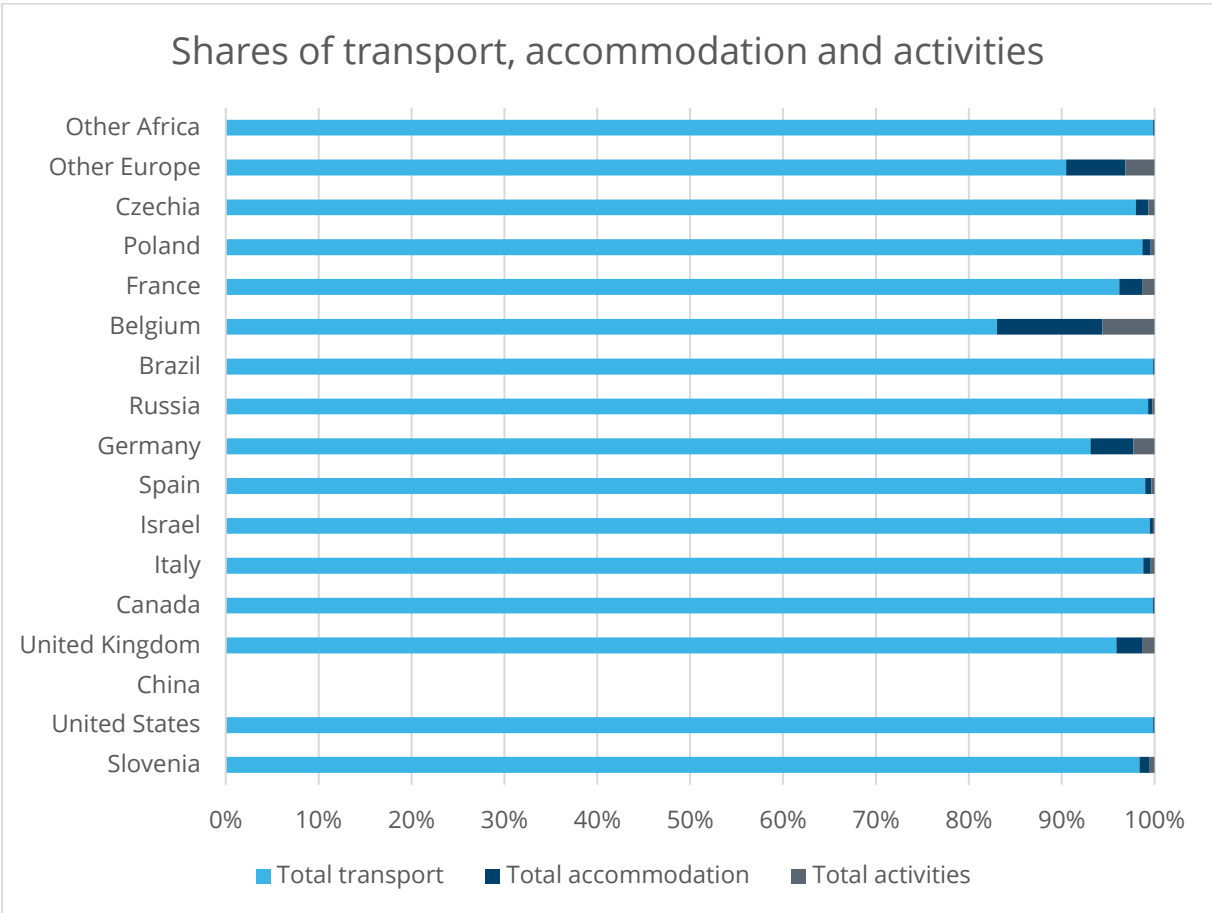
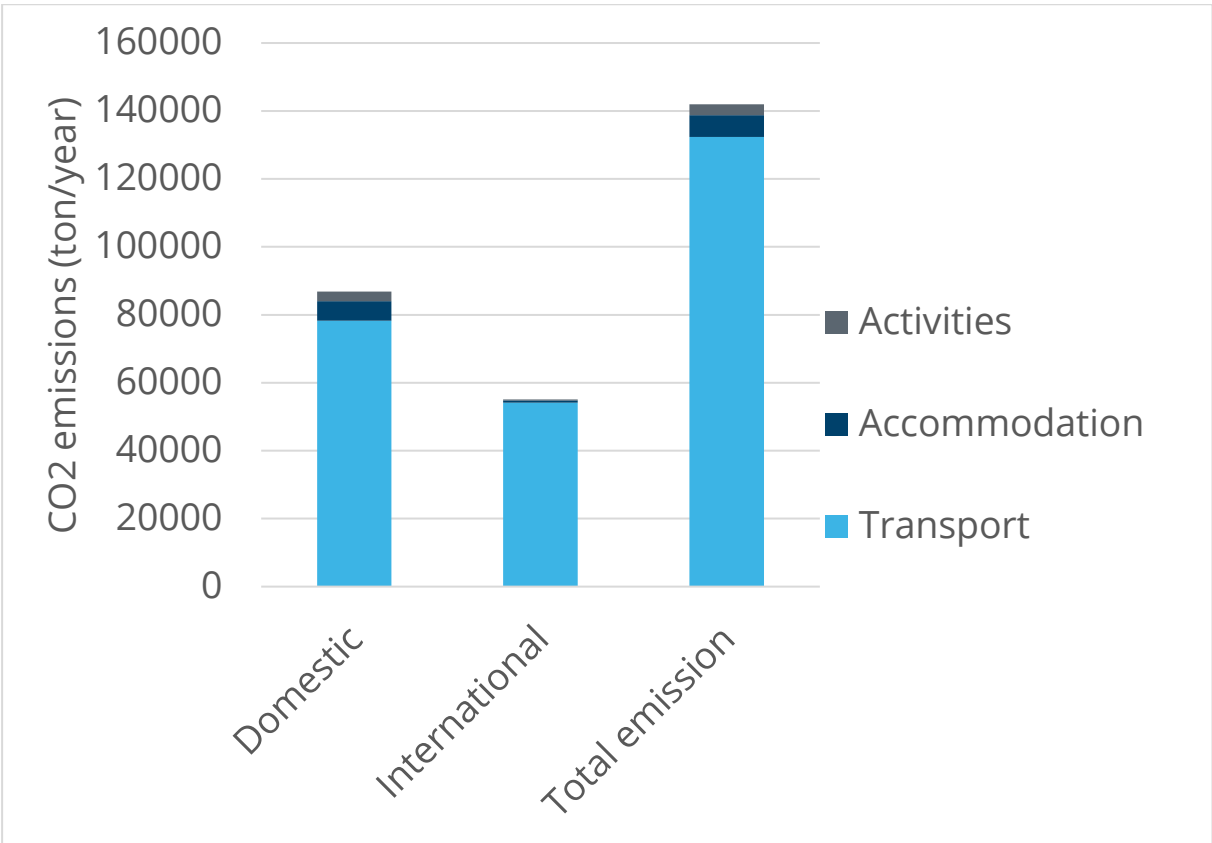
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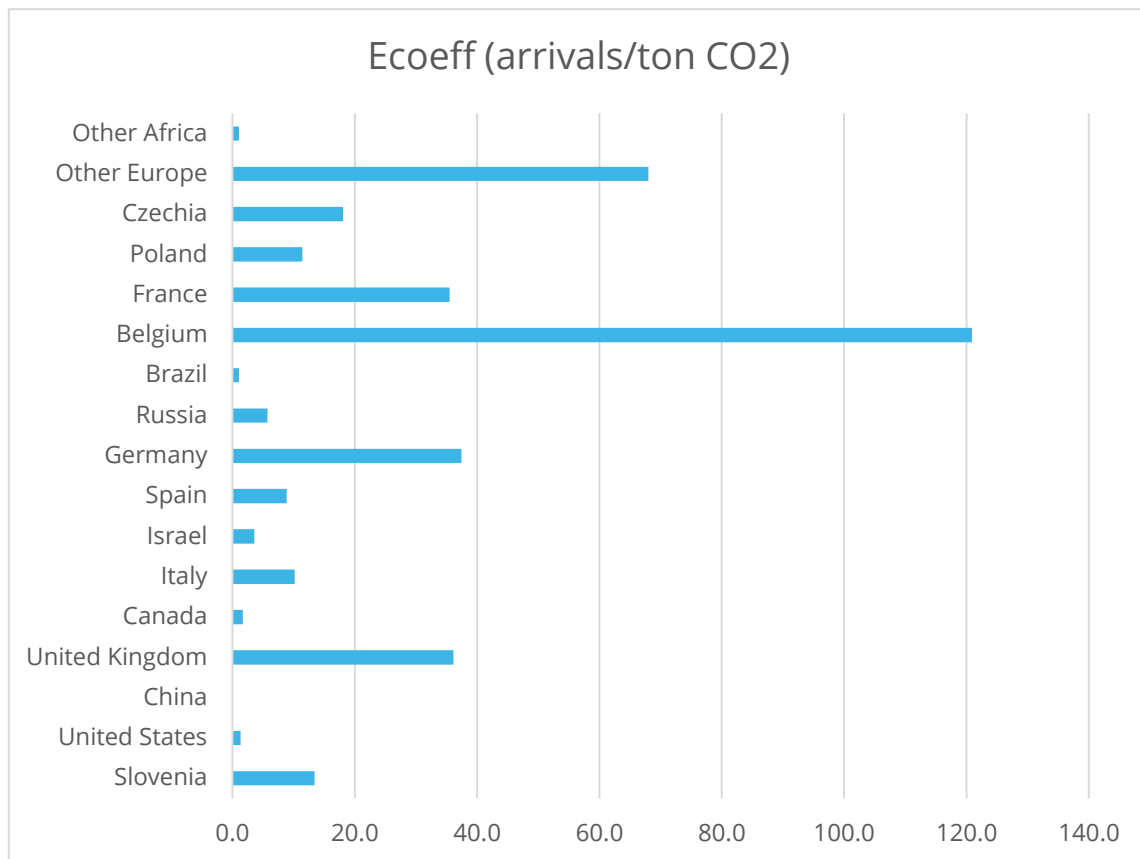
<b>Source Market</b>	<b>Total transport</b>	<b>Total accommodation</b>	<b>Total activities</b>	<b>Total</b>	<b>Ecoeff (arrivals/ton CO2)</b>
Slovenia	36	0	0	37	13.4
United States	28017	25	12	28054	1.3
China				0	
United Kingdom	1374	39	19	1433	36.1
Canada	2561	3	2	2566	1.7
Italy	1357	11	6	1374	10.2
Israel	1020	3	2	1025	3.6
Spain	1291	9	4	1305	8.9
Germany	3310	164	81	3555	37.4
Russia	759	4	2	765	5.7
Brazil	3728	3	2	3733	1.0
Belgium	2339	319	158	2817	120.9
France	566	15	7	588	35.5
Poland	373	3	2	378	11.4
Czechia	82	1	1	84	18.1
Other Europe	82207	5777	2866	90850	68.0
Other Africa	1019	1	0	1020	1.1



## Total CO2 emissions per market









Games



Media



Hotel



Facility



Built Environment



Logistics



Tourism



Leisure & Events



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