

# SASTDES Carbon Footprint Tool

## France, Compiègne

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

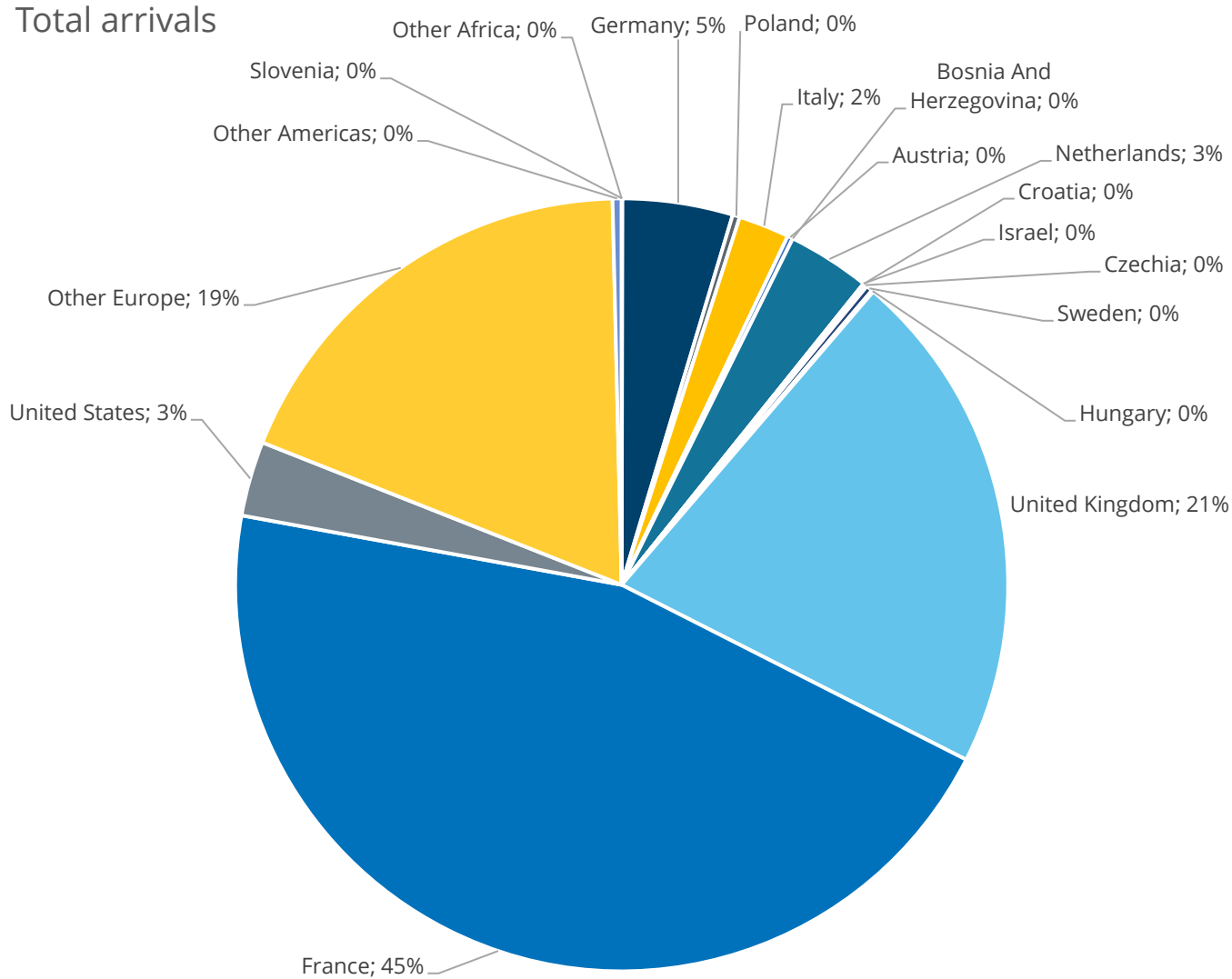
*Carbon footprint in Tonnes/year*

Overview of the carbon footprint	Domestic	International	Total emission	Share (%)
Transport	10068	26154	36222	77.7%
Accommodation	3181	3888	7070	15.2%
Activities	1509	1844	3353	7.2%
Total	14758	31886	46644	100.0%

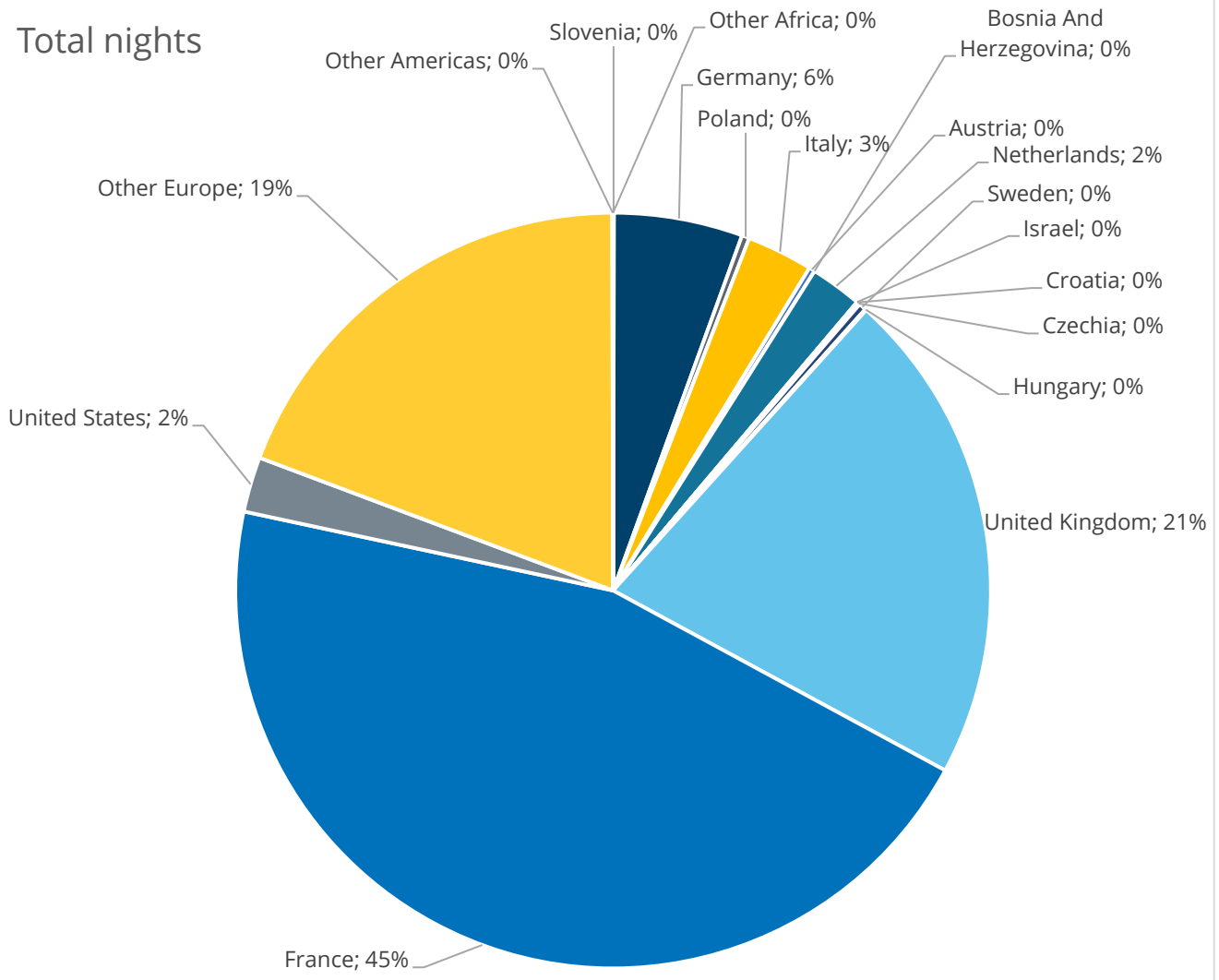
*Number of countries in overview: 15*

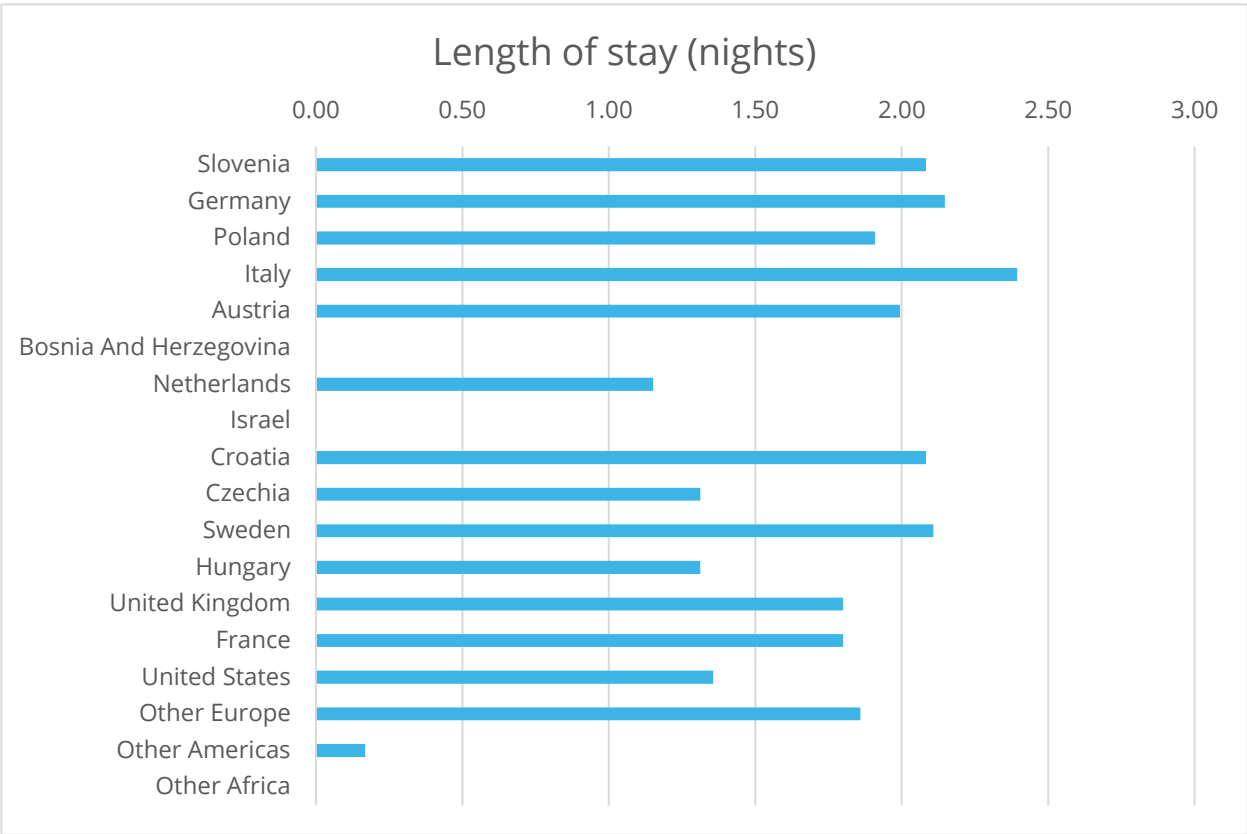
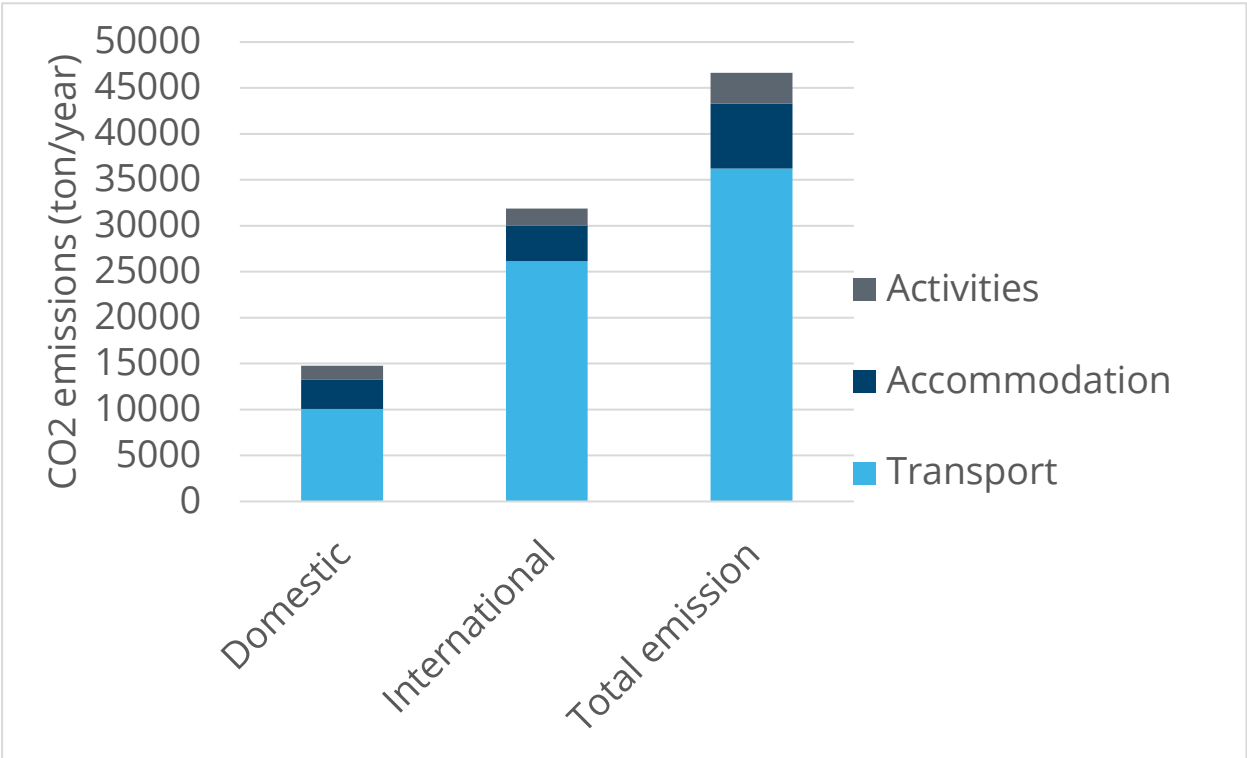
Source Market	Total arrivals	Total nights	Length of stay (nights)
Slovenia	163	339	2.08
Germany	22851	49073	2.15
Poland	1509	2882	1.91
Italy	10538	25235	2.39
Austria	1141	2275	1.99
Bosnia And Herzegovina			
Netherlands	17167	19773	1.15
Israel			
Croatia	153	319	2.08
Czechia	712	934	1.31
Sweden	1342	2829	2.11
Hungary	364	479	1.31
United Kingdom	105000	189000	1.80
France	225000	405000	1.80
United States	15504	21036	1.36
Other Europe	92264	171479	1.86
Other Americas	1868	314	0.17
Other Africa	0	0	

## Total arrivals



# Total nights





### 3 Report Carbon Footprint

*Carbon footprint in Tonnes/year*

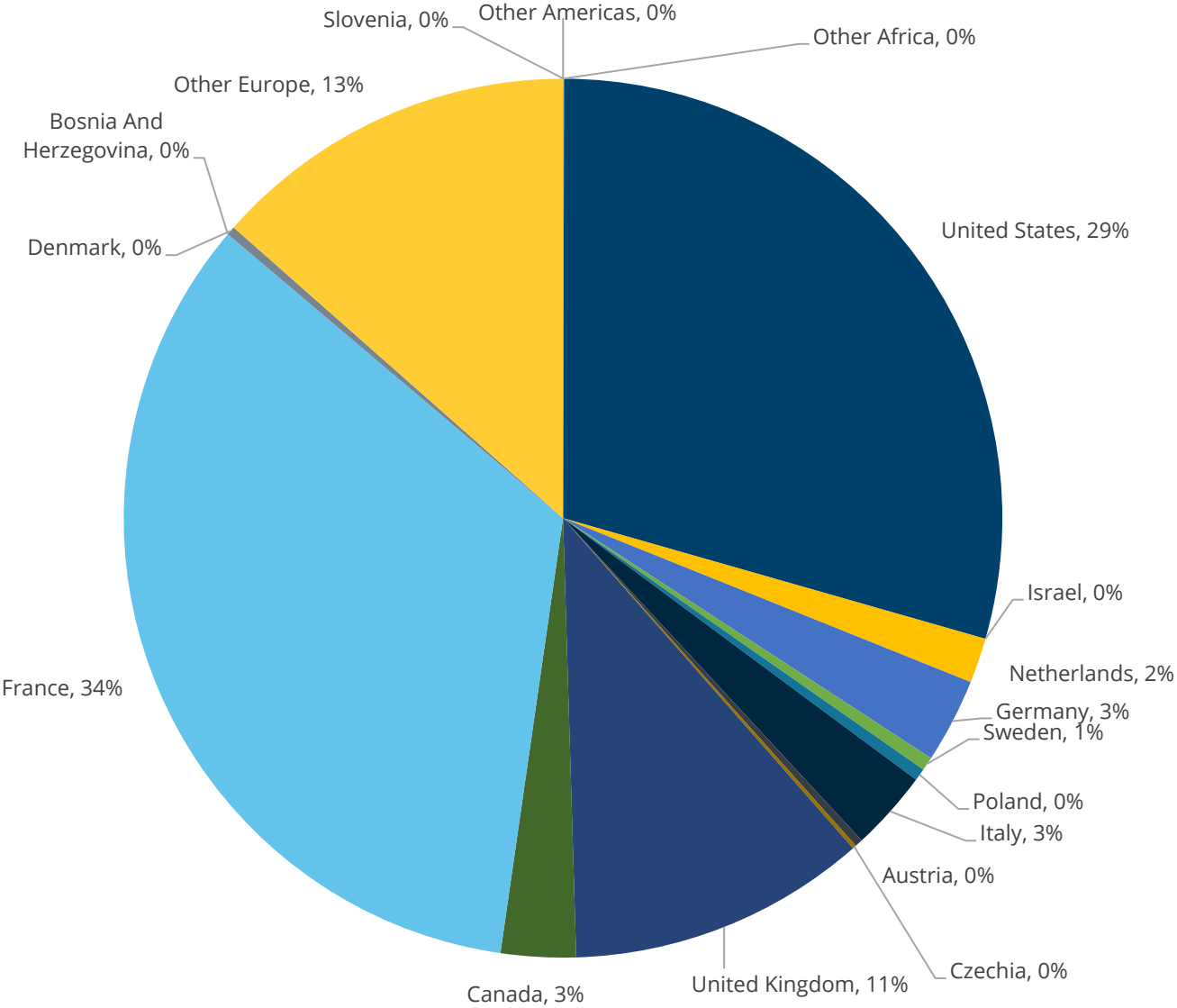
Overview of the carbon footprint	Domestic	International	Total emission	Share (%)
Transport	10068	26154	36222	77.7%
Accommodation	3181	3888	7070	15.2%
Activities	1509	1844	3353	7.2%
Total	14758	31886	46644	100.0%

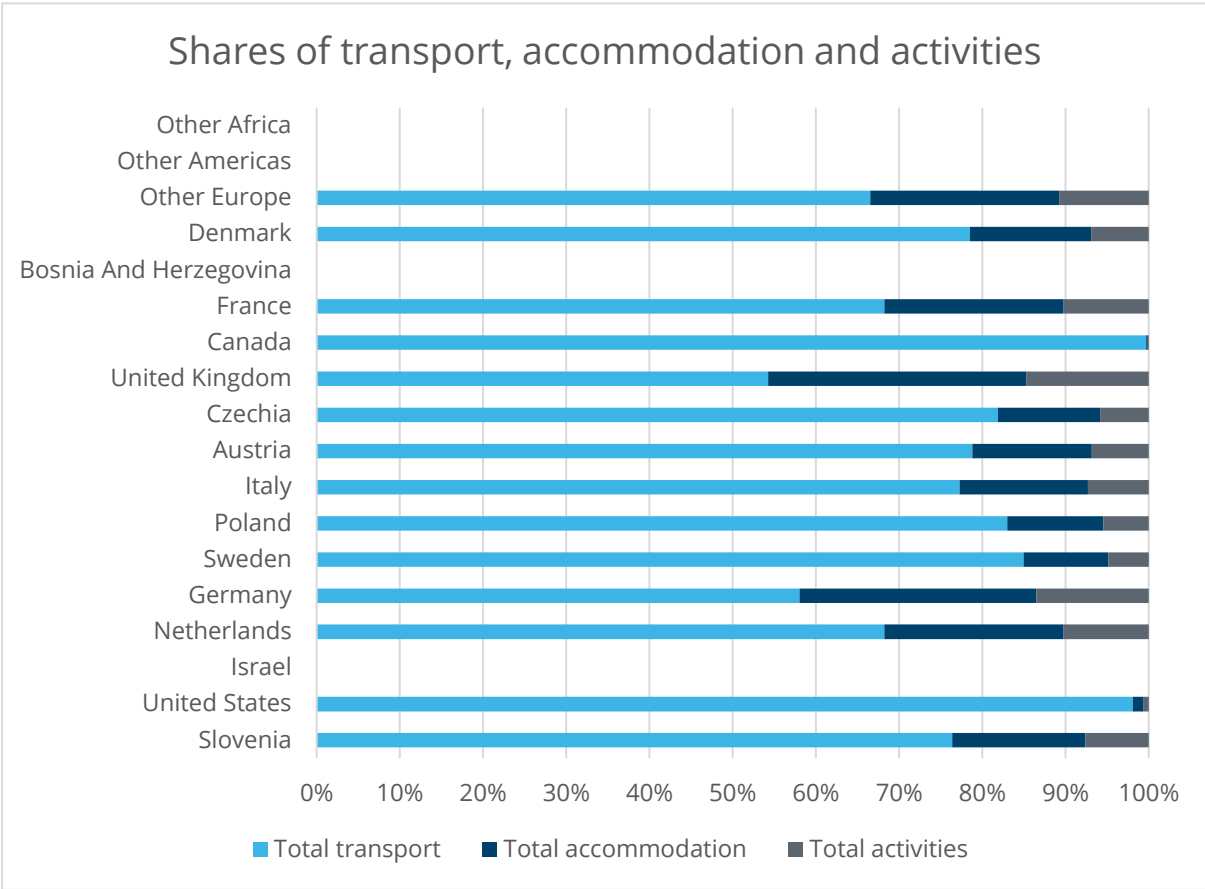
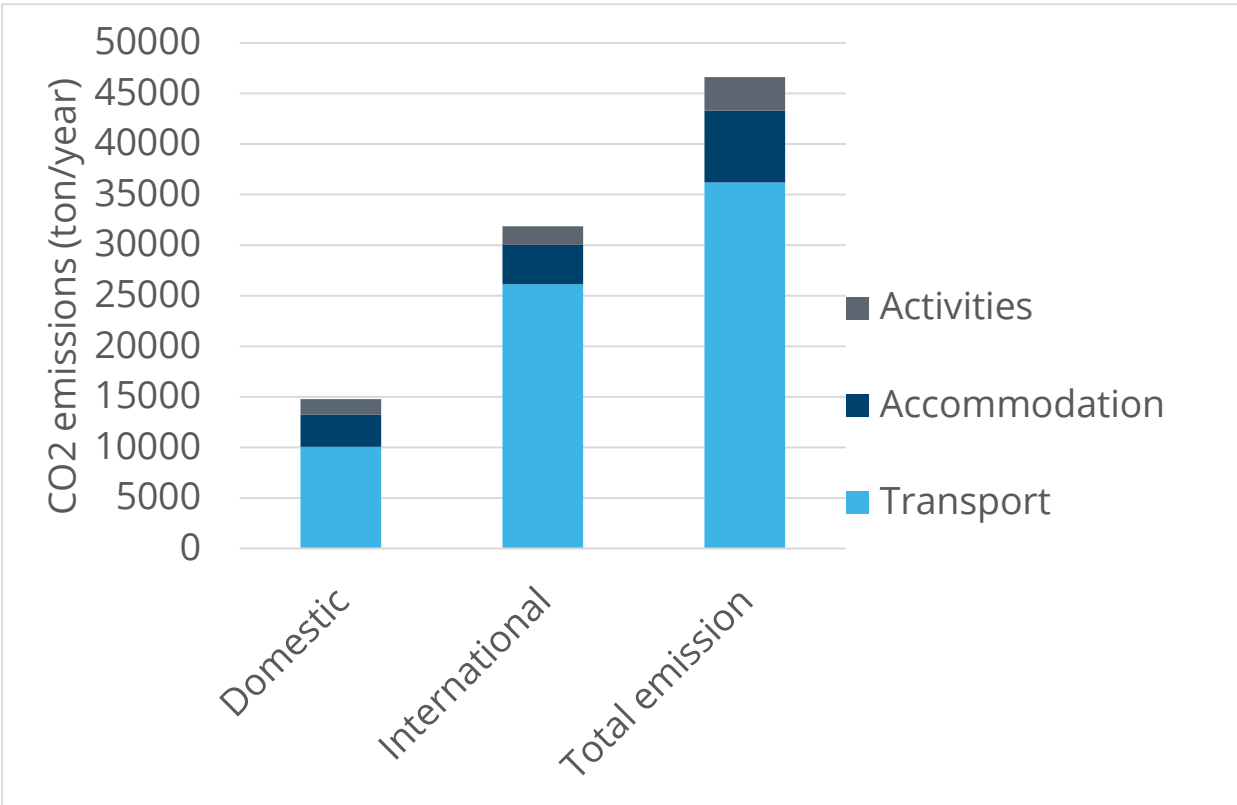
*Number of countries in overview: 15*

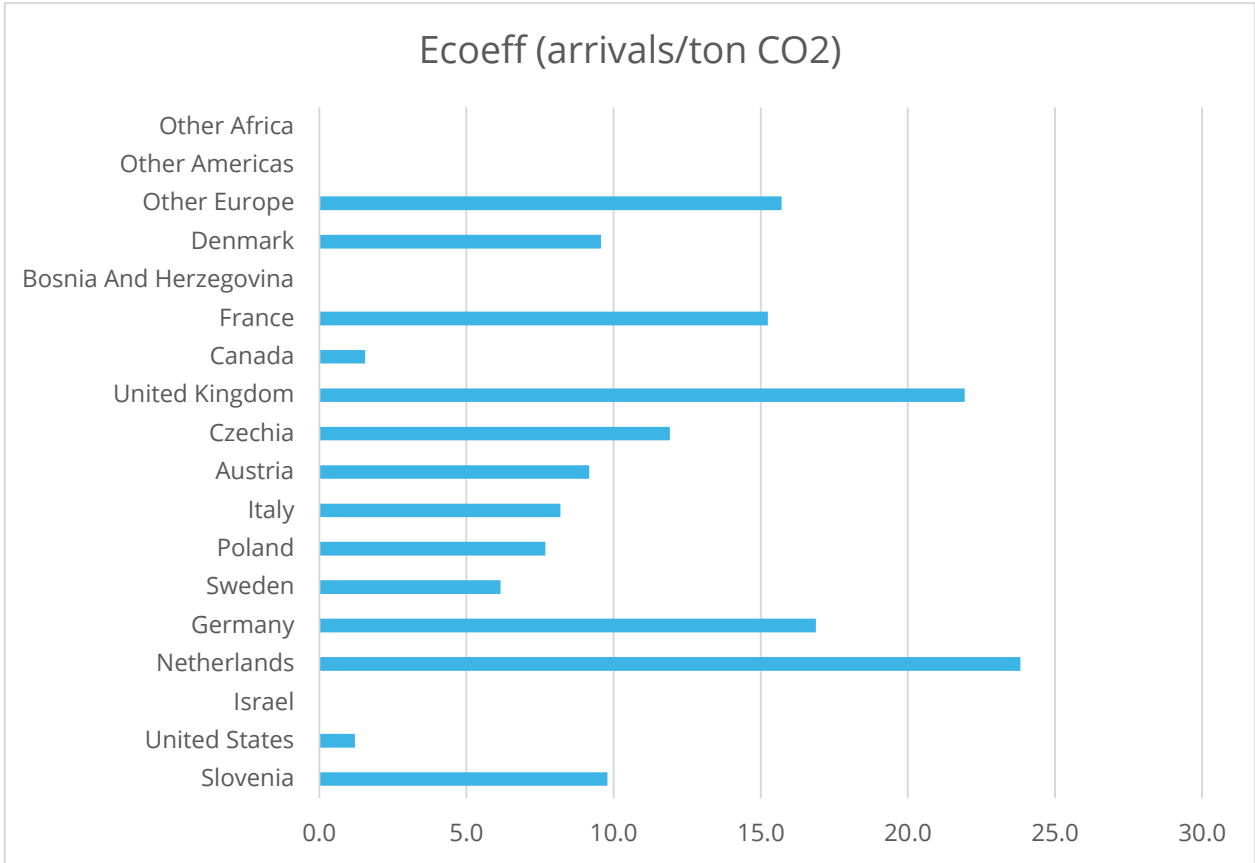
Source Market	Total transport	Total accommodation	Total activities	Total	Ecoeff (arrivals/ton CO2)
Slovenia	13	3	1	17	9.8
United States	12550	165	78	12793	1.2
Israel				0	
Netherlands	491	155	74	720	23.8
Germany	786	385	183	1355	16.9
Sweden	185	22	11	218	6.2
Poland	163	23	11	197	7.7
Italy	994	198	94	1287	8.2
Austria	98	18	8	124	9.2
Czechia	49	7	3	60	11.9
United Kingdom	2598	1485	704	4787	21.9
Canada	1196	2	1	1199	1.6
France	10068	3181	1509	14758	15.2
Bosnia And Herzegovina				0	
Denmark	111	21	10	141	9.6
Other Europe	3909	1333	632	5874	15.7
Other Americas	0	0	0	0	
Other Africa	0	0	0	0	



# Total CO2 emissions per market









Games



Media



Hotel



Facility



Built Environment



Logistics



Tourism



Leisure & Events



Mgr. Hopmansstraat 2  
4817 JS Breda

P.O. Box 3917  
4800 DX Breda  
The Netherlands

**PHONE**

+31 76 533 22 03

**WEBSITE**

[www.buas.nl](http://www.buas.nl)

DISCOVER YOUR WORLD