

# SASTDES Carbon Footprint Tool

## France, Saint-Brieuc

SASTDes – Smart Assessment Sustainable Tourist Destinations

DISCOVER YOUR WORLD

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# 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.

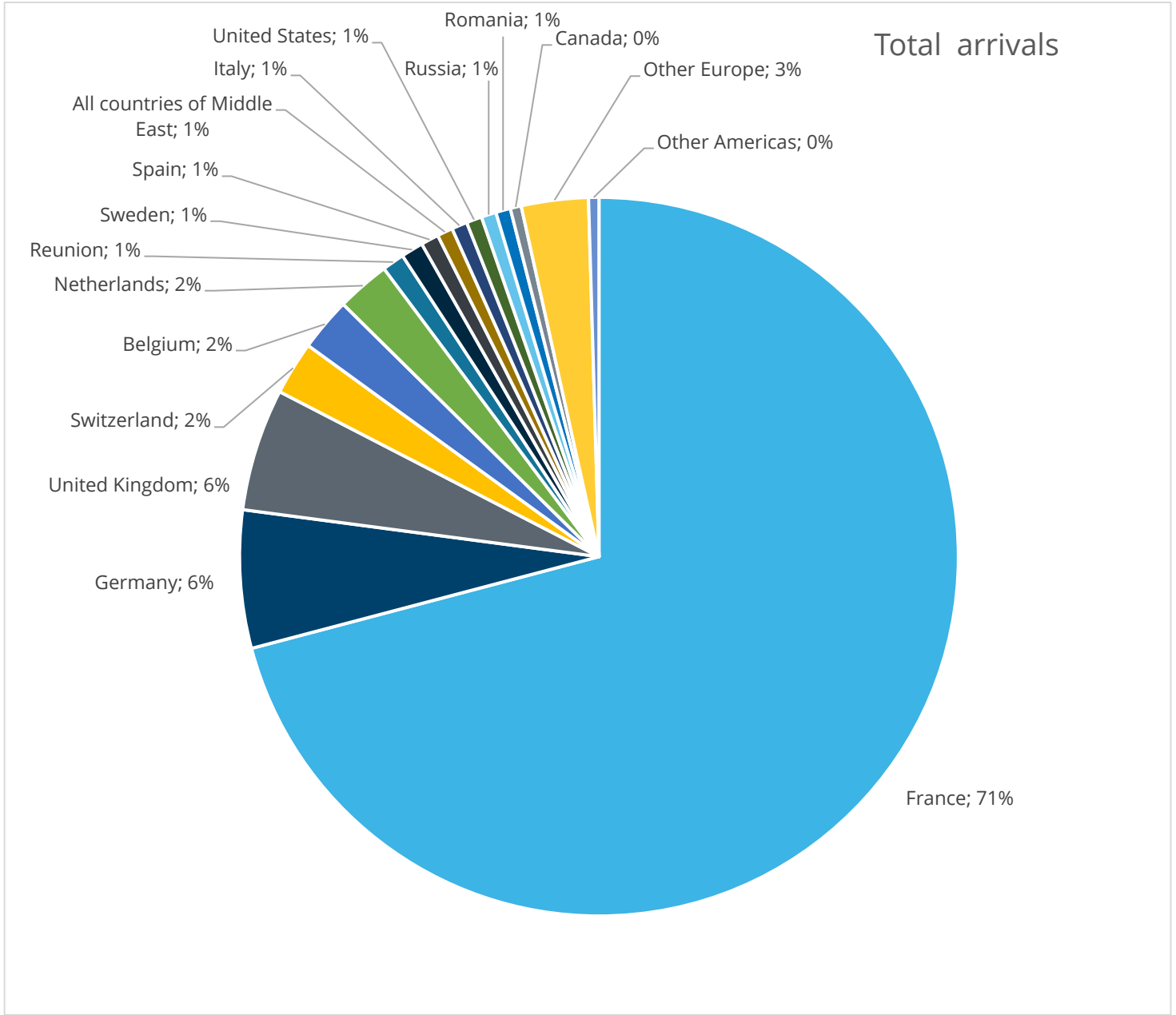
## 2 Report Tourism

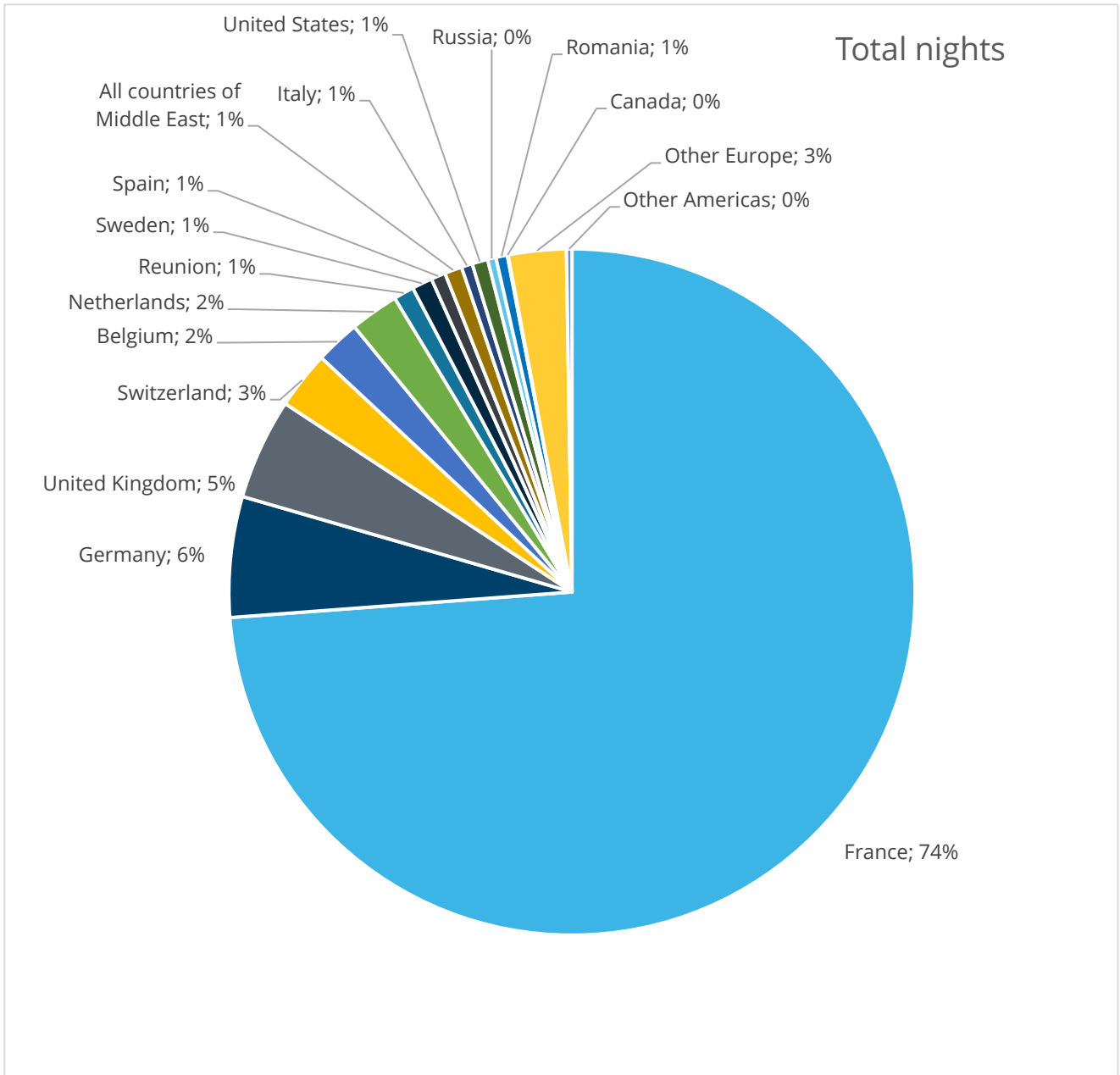
*Carbon footprint in Tonnes/year*

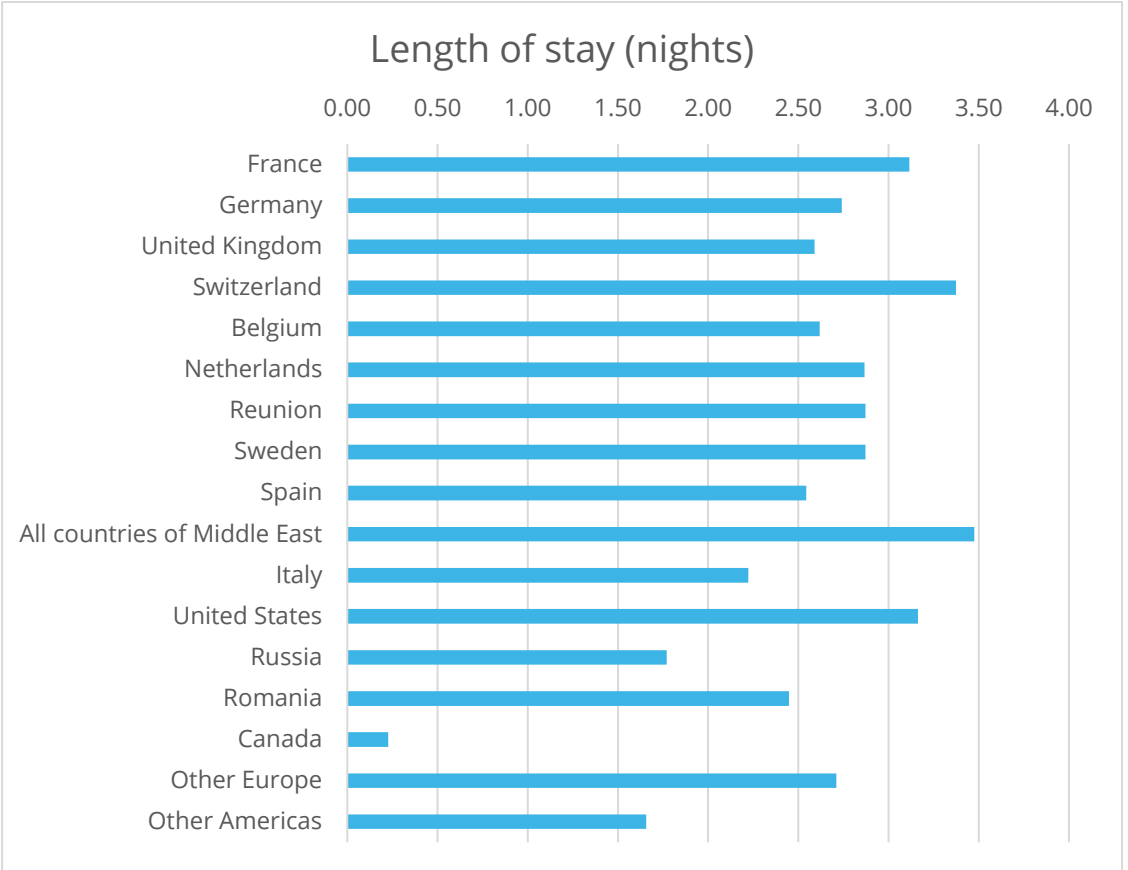
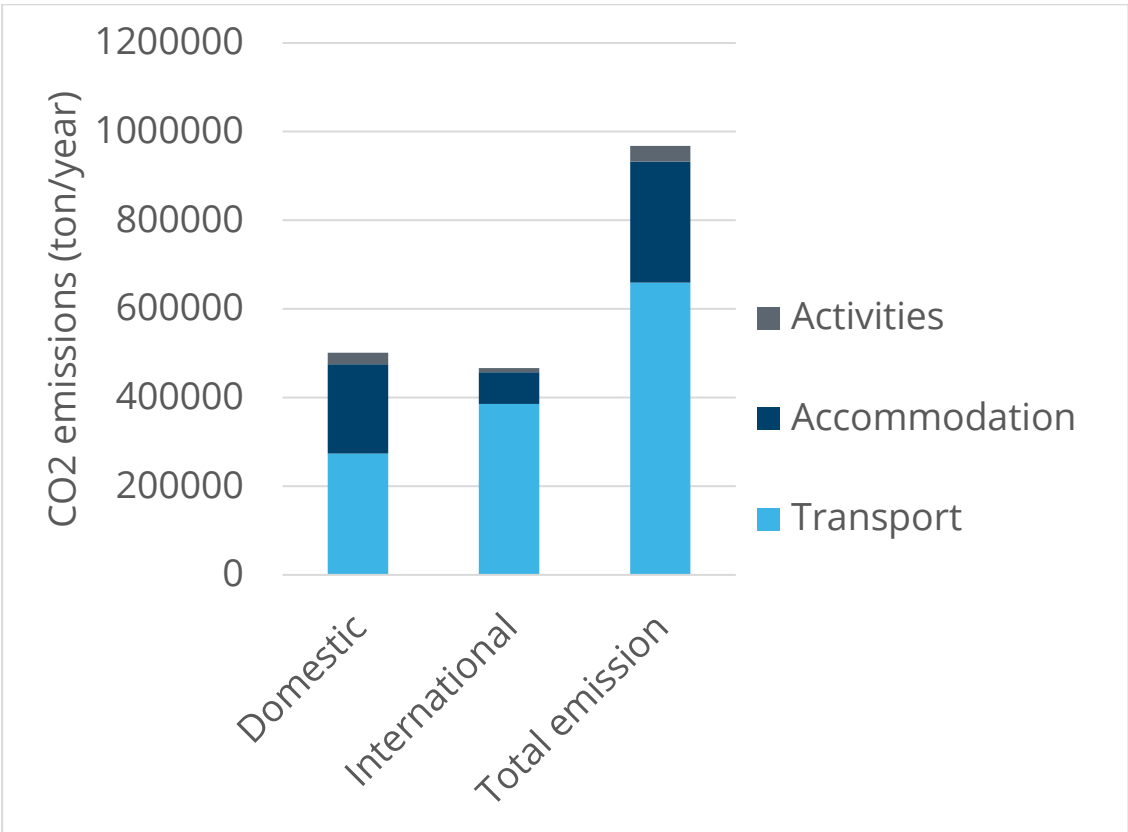
Overview of the carbon footprint	Domestic	International	Total emission	Share (%)
Transport	273445	385712	659157	68.1%
Accommodation	201601	71534	273135	28.2%
Activities	26169	9285	35454	3.7%
Total	501215	466531	967746	100.0%

*Number of countries in overview: 15*

Source Market	Total arrivals	Total nights	Length of stay (nights)
France	5600310	17445732	3.12
Germany	489800	1342525	2.74
United Kingdom	434500	1125074	2.59
Switzerland	190072	641371	3.37
Belgium	189600	496356	2.62
Netherlands	189600	543628	2.87
Reunion	79000	226906	2.87
Sweden	79000	226906	2.87
Spain	63200	160725	2.54
All countries of Middle East	55779	193857	3.48
Italy	55300	122907	2.22
United States	55300	174906	3.16
Russia	52818	93490	1.77
Romania	52140	127634	2.45
Canada	39096	8868	0.23
Other Europe	237691	644158	2.71
Other Americas	36794	60958	1.66







### 3 Report Carbon Footprint

*Carbon footprint in Tonnes/year*

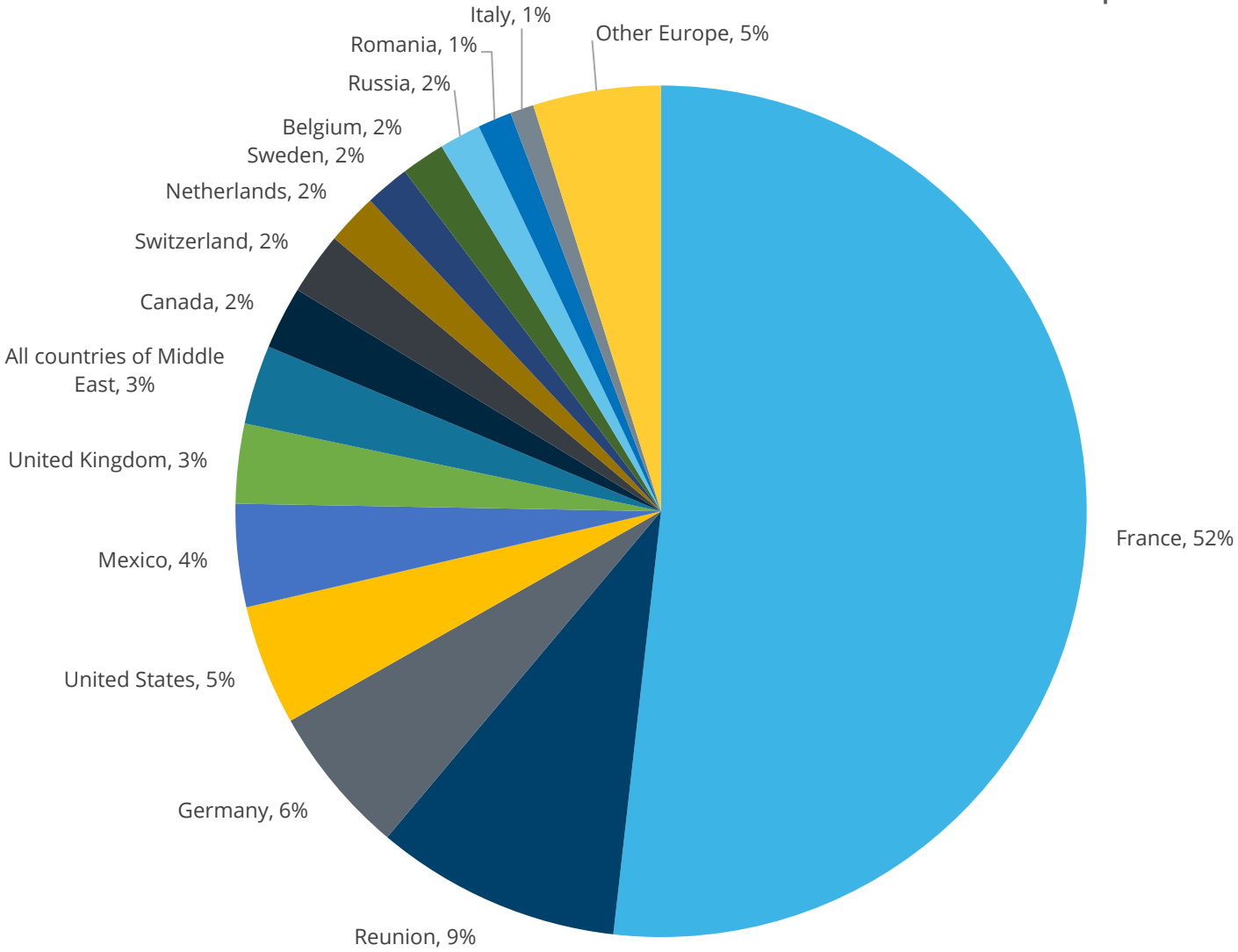
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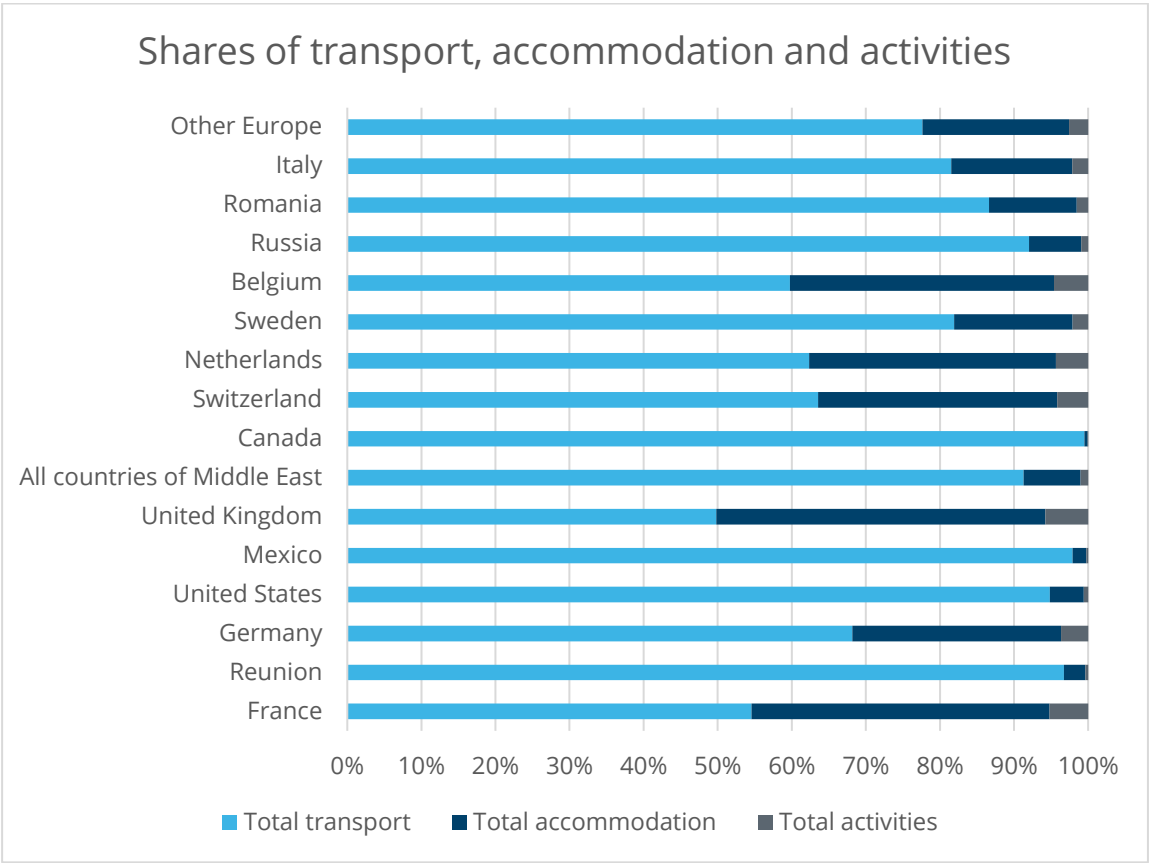
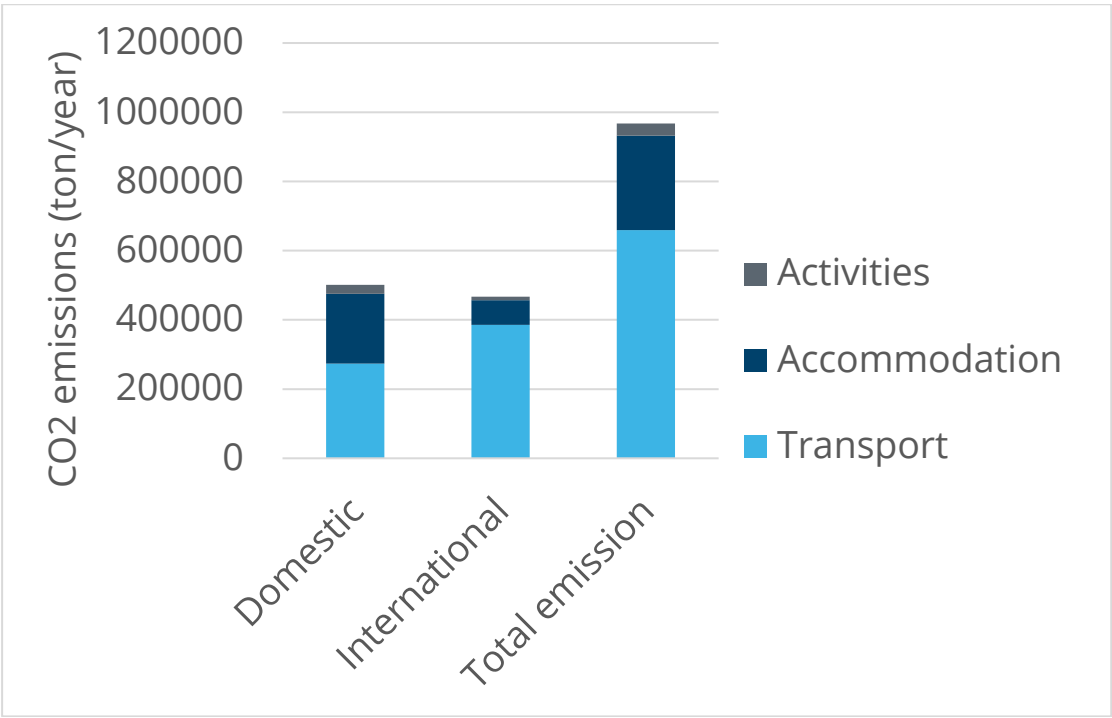
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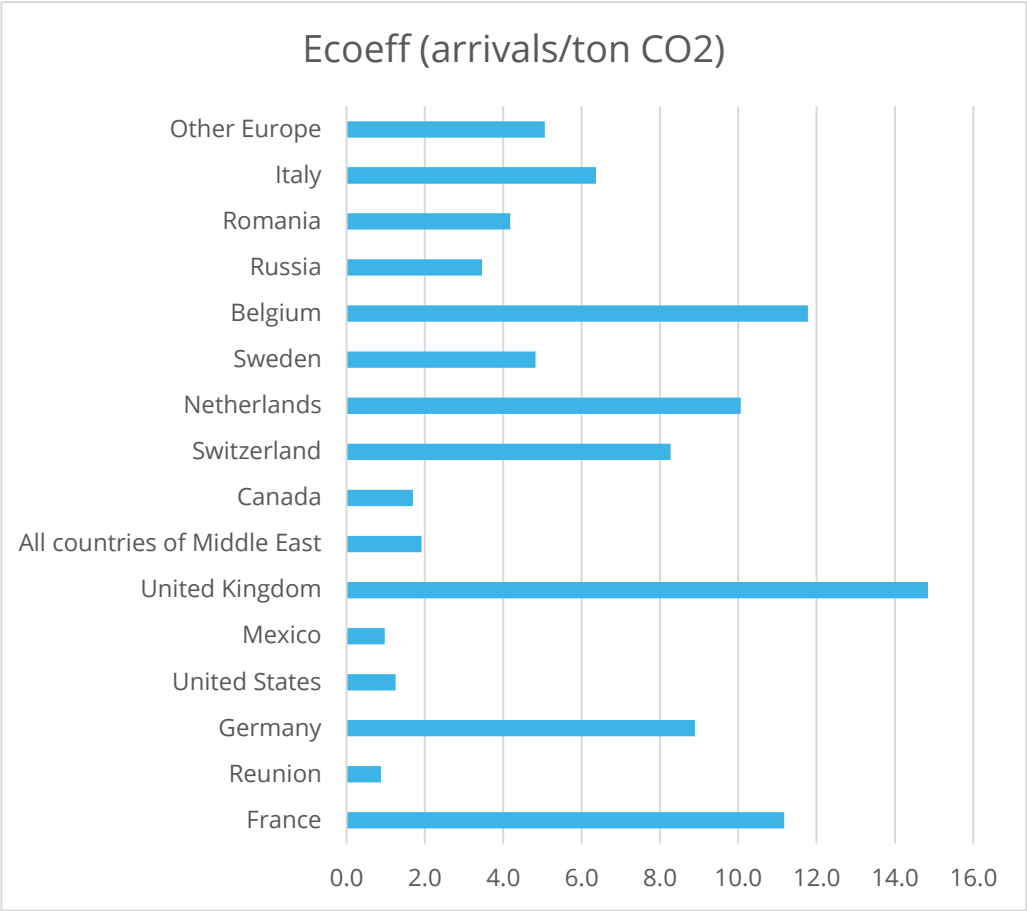
Source Market	Total transport	Total accommodation	Total activities	Total	Ecoeff (arrivals/ton CO2)
<b>France</b>	273445	201601	26169	501215	11.2
<b>Reunion</b>	87351	2622	340	90313	0.9
<b>Germany</b>	37524	15514	2014	55052	8.9
<b>United States</b>	41899	2021	262	44182	1.3
<b>Mexico</b>	37011	704	91	37807	1.0
<b>United Kingdom</b>	14589	13001	1688	29277	14.8
<b>All countries of Middle East</b>	26580	2240	291	29111	1.9
<b>Canada</b>	22939	102	13	23055	1.7
<b>Switzerland</b>	14595	7412	962	22968	8.3
<b>Netherlands</b>	11748	6282	815	18846	10.1
<b>Sweden</b>	13421	2622	340	16383	4.8
<b>Belgium</b>	9618	5736	745	16099	11.8
<b>Russia</b>	14063	1080	140	15284	3.5
<b>Romania</b>	10810	1475	191	12476	4.2
<b>Italy</b>	7080	1420	184	8685	6.4
<b>Other Europe</b>	36484	9301	1207	46992	5.1



# 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)

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