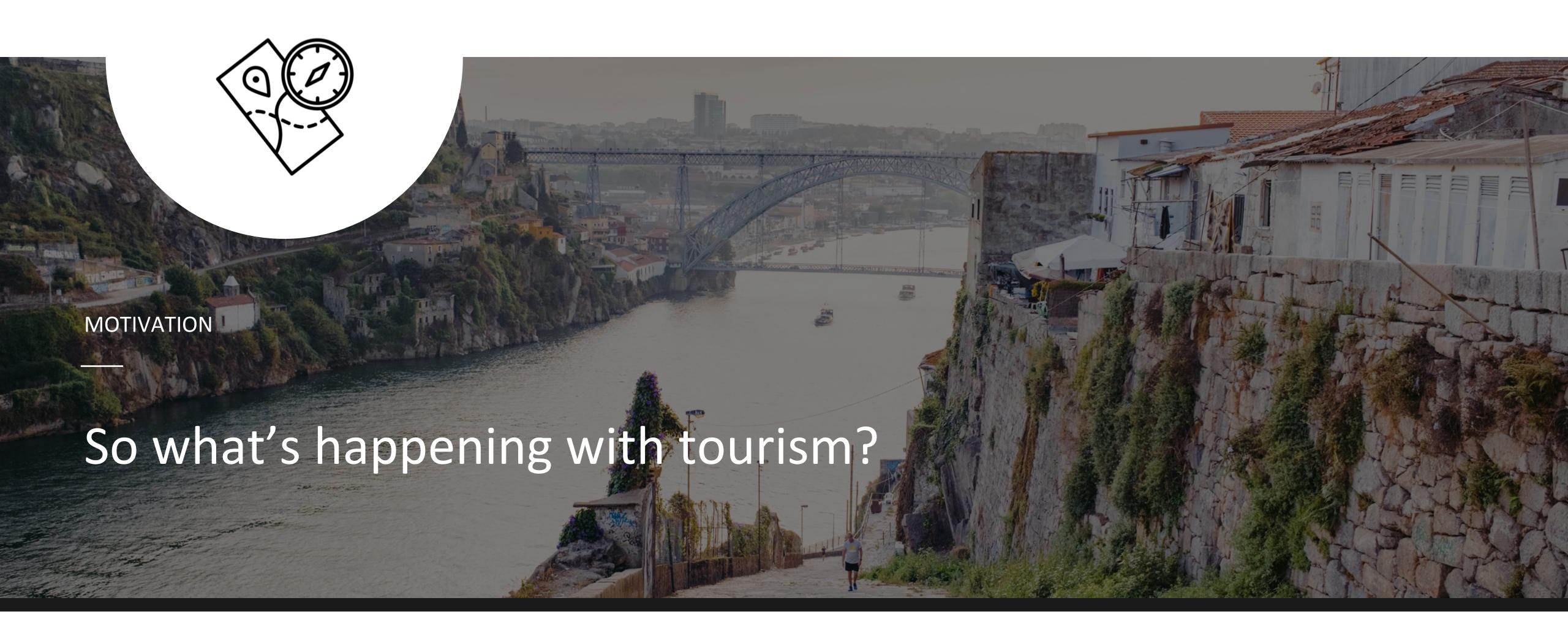


DATA SCIENCE FOR HOSPITALITY AND TOURISM CONFERENCE





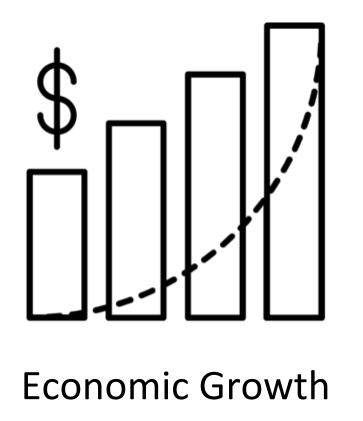


Tourist per citizen ratio



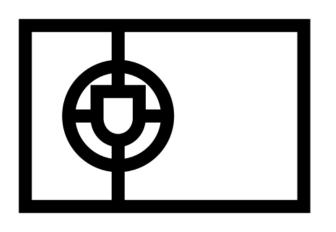
Source: Instituto de Planeamento e Desenvolvimento do Turismo (IPDT)

It has its benefits



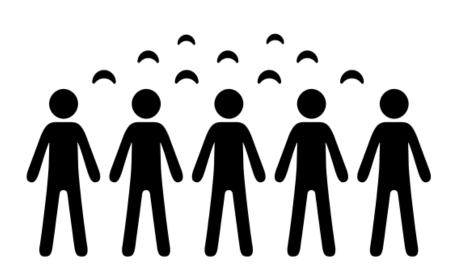






Revival of traditions

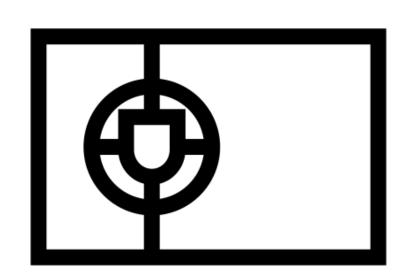
But also its downfalls







Coexistence conflicts



Loss of culture authenticity



Gentrification and Speculation



TELECOM DATA

SOCIAL MEDIA DATA



Our partners

PROJECT PARTNER:



DATA PARTNER:





Telecom Data | Scope

Data contains information regarding Network Events for individuals connected to NOS' network with a foreign SIM card for Portugal between August 1st and 30th of 2017



The anonymized user identifier for the customer



The nationality of the user's SIM Card

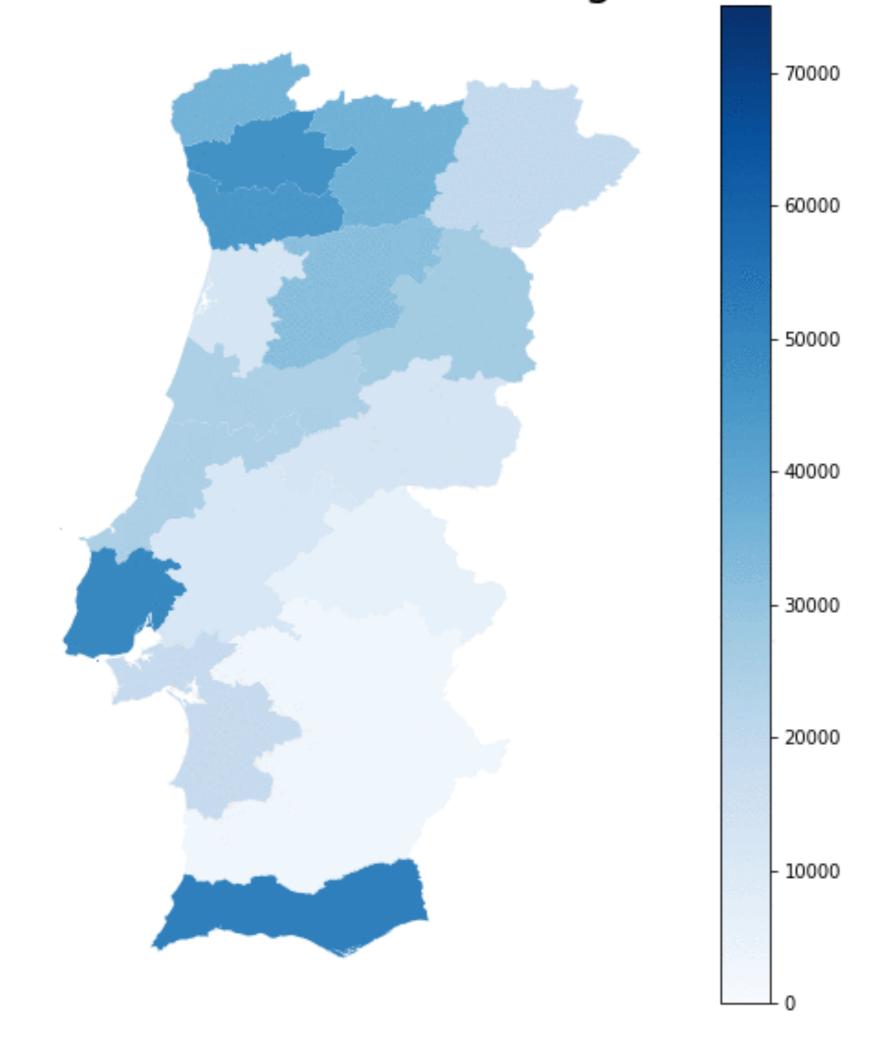


The date and time of the event



Coordinates of the Network
Tower's cell associated to the
Network Event

Number of Tourists in August

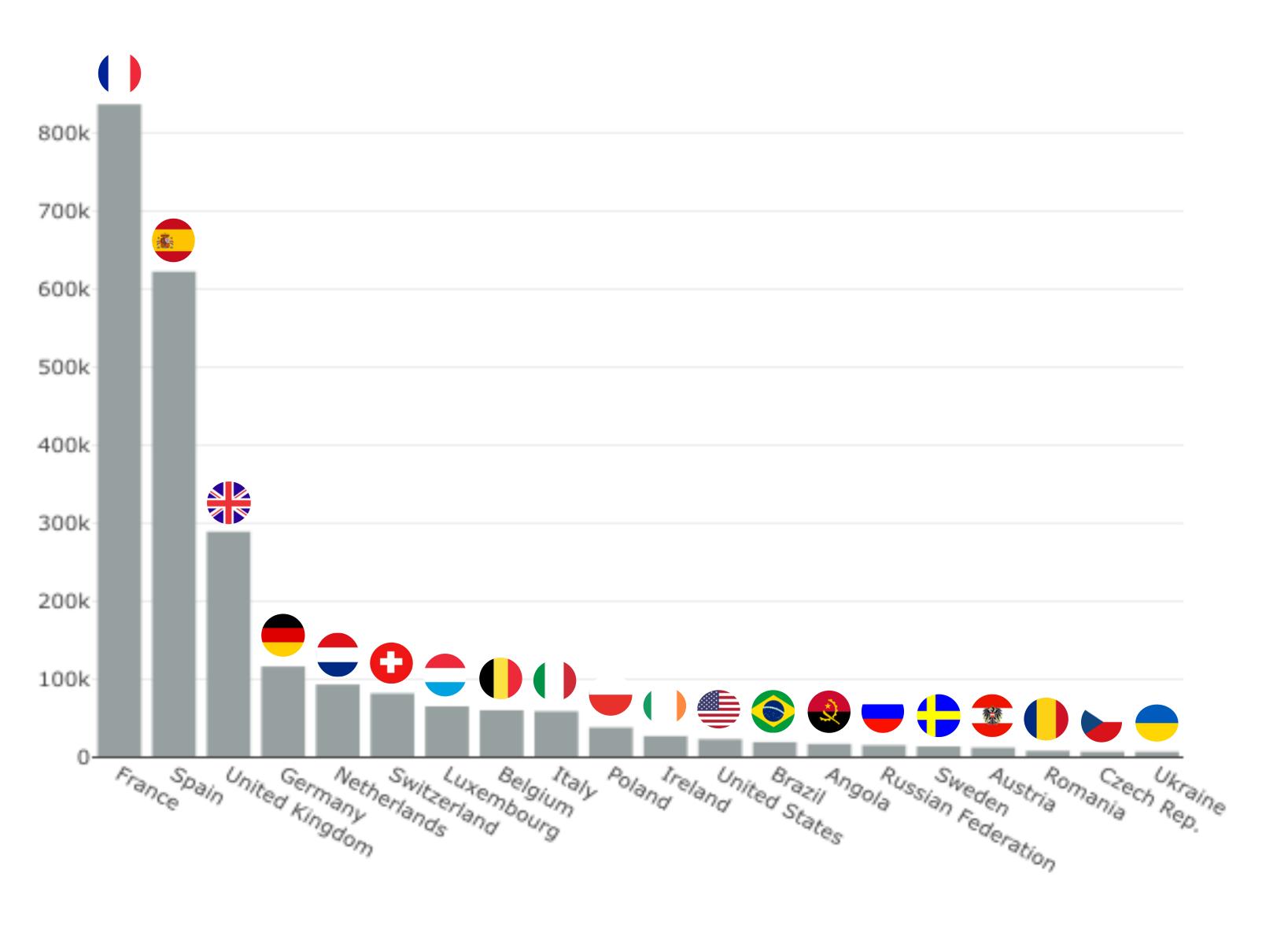


1 August 2017

Number of Tourists per Region

NOS DATA | AUGUST 2017

Tourism reaches its **peak in the 12**th **of August**, when the number of tourist
starts to fade out

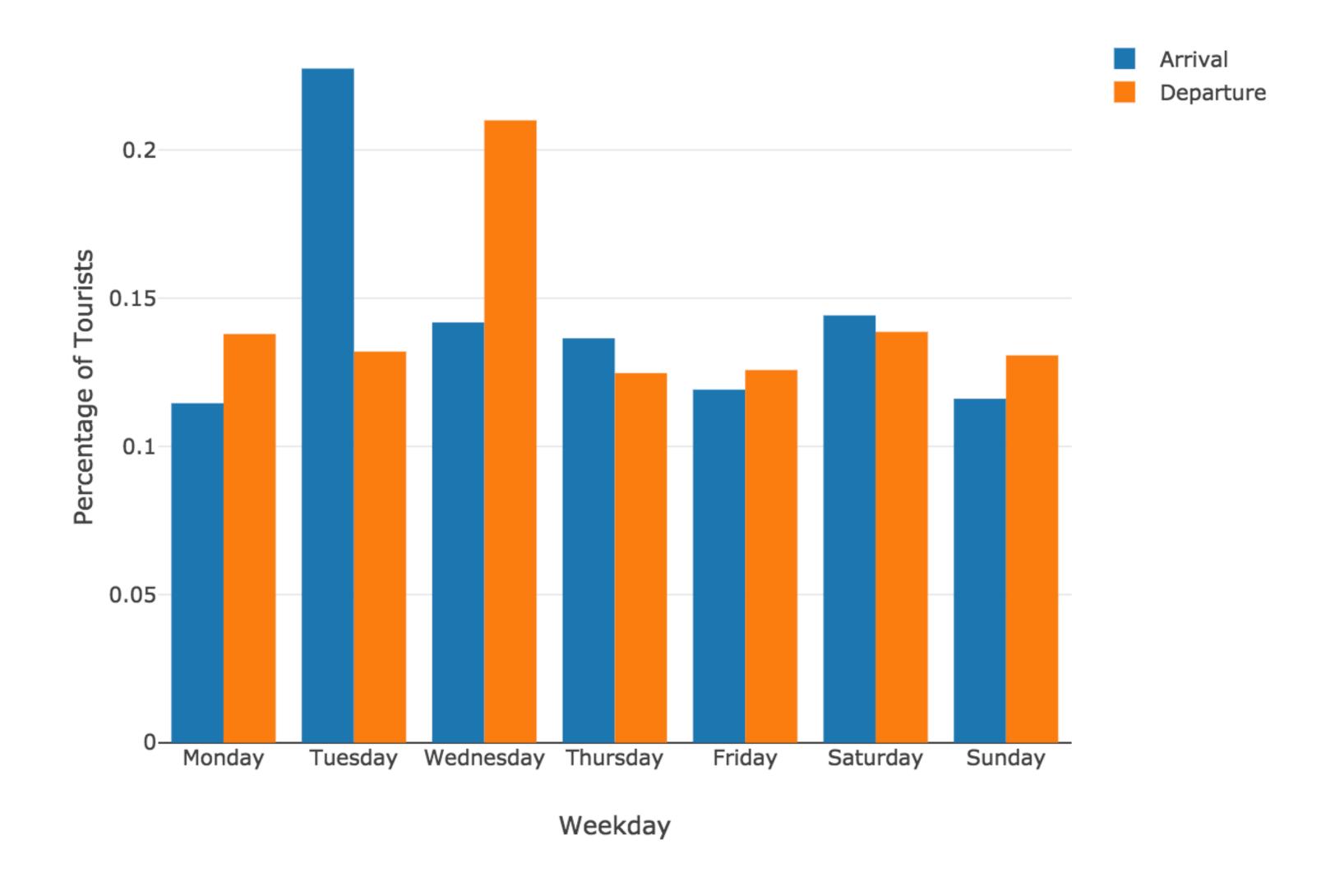


Number of Tourists per Country of Origi

NOS DATA | AUGUST 2017

TOP 20 COUNTRIES

French tourists are the ones who most visited Portugal during the analyzed period, followed by tourists from Spain and the United Kingdom



Tourists per Weekday

NOS DATA | AUGUST 2017

Tuesdays are the favorite weekday for arrivals, while **Wednesdays** are the most common weekdays for departures

WHAT DO TOURISTS VISIT?

Data Story: The Typical Tourist

Tue Wed Thu Fri

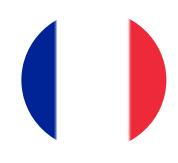
| Tue | Wed | Thu | Fri | Sat |
|-----|-----|-----|-----|-----|
| 1 | 2 | 3 | 4 | 5 |

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|-----|-----|-----------------|-----|-----|-----|-----|
| 6 | 7 | 8 th | 9 | 10 | 11 | 12 |

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|-----|-----|-----|------------------|-----|-----|-----|
| 13 | 14 | 15 | 16 th | 17 | 18 | 19 |

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|-----|-----|-----|-----|-----|-----|-----|
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |

| Sun | Mon | Tue | Wed | Thu |
|-----|-----|-----|-----|-----|
| 27 | 28 | 29 | 30 | 31 |



1 FRENCH TOURIST

(We know from the basic data analysis that the most common tourist visiting Lisbon in the month of August is French)



ARRIVES ON TUESDAY

(23% of tourists arrive on a Tuesday)



STAYS FOR 8 DAYS

(The average length of stay of these tourists is of 8 days)



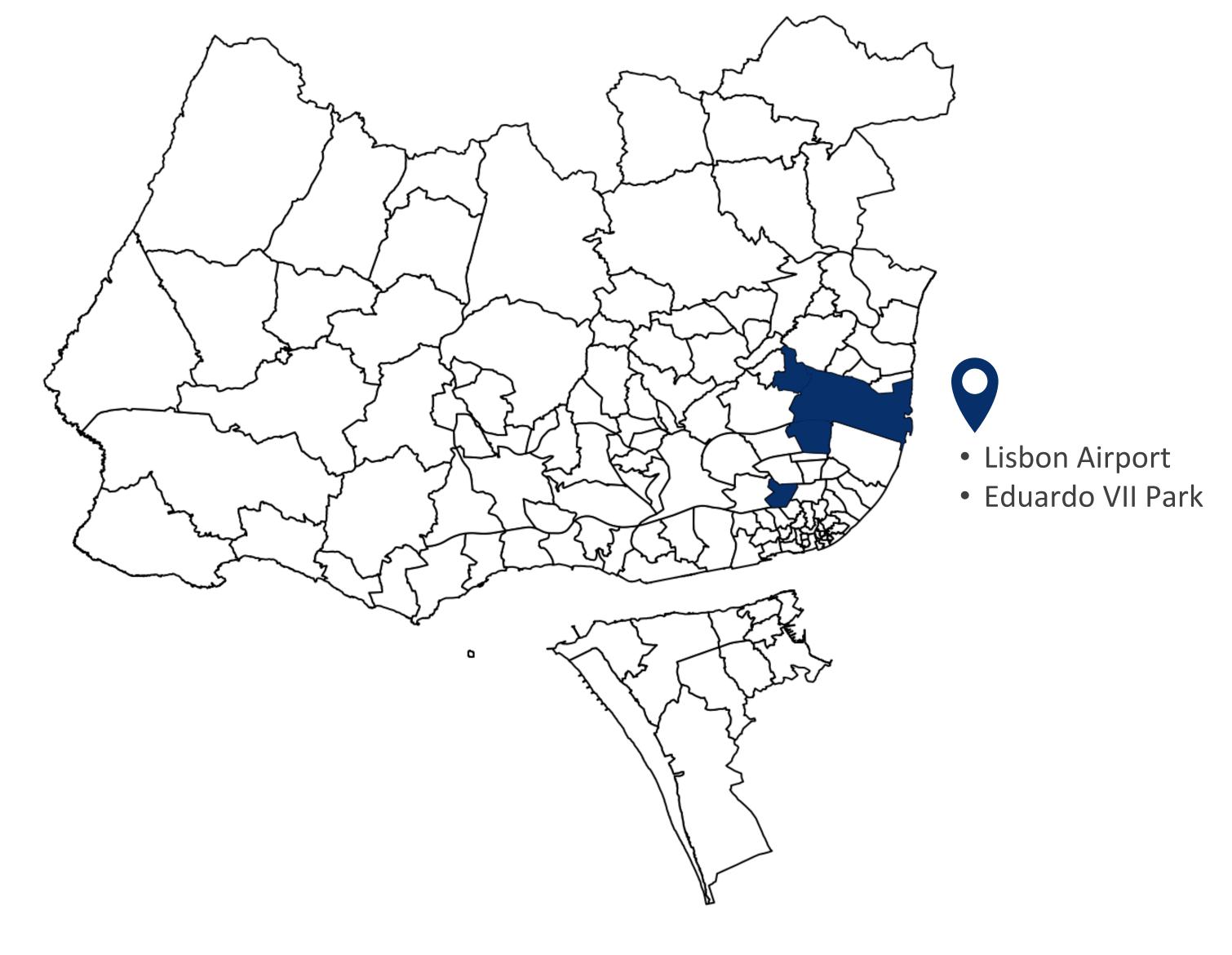
DEPARTS ON WEDNESDAY

(The most common day of week of departure for our tourist is Wednesday)

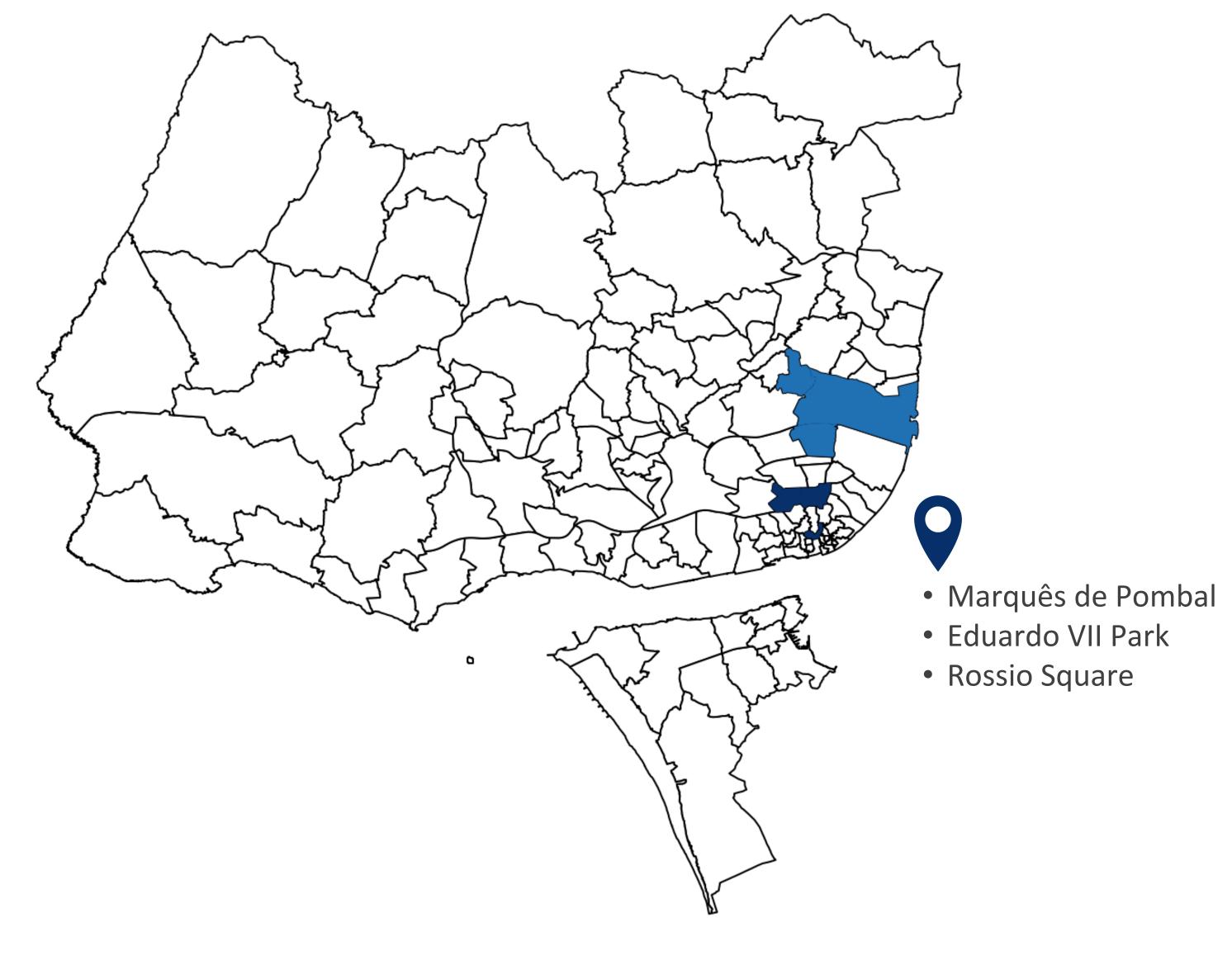


ARRIVES BY PLANE

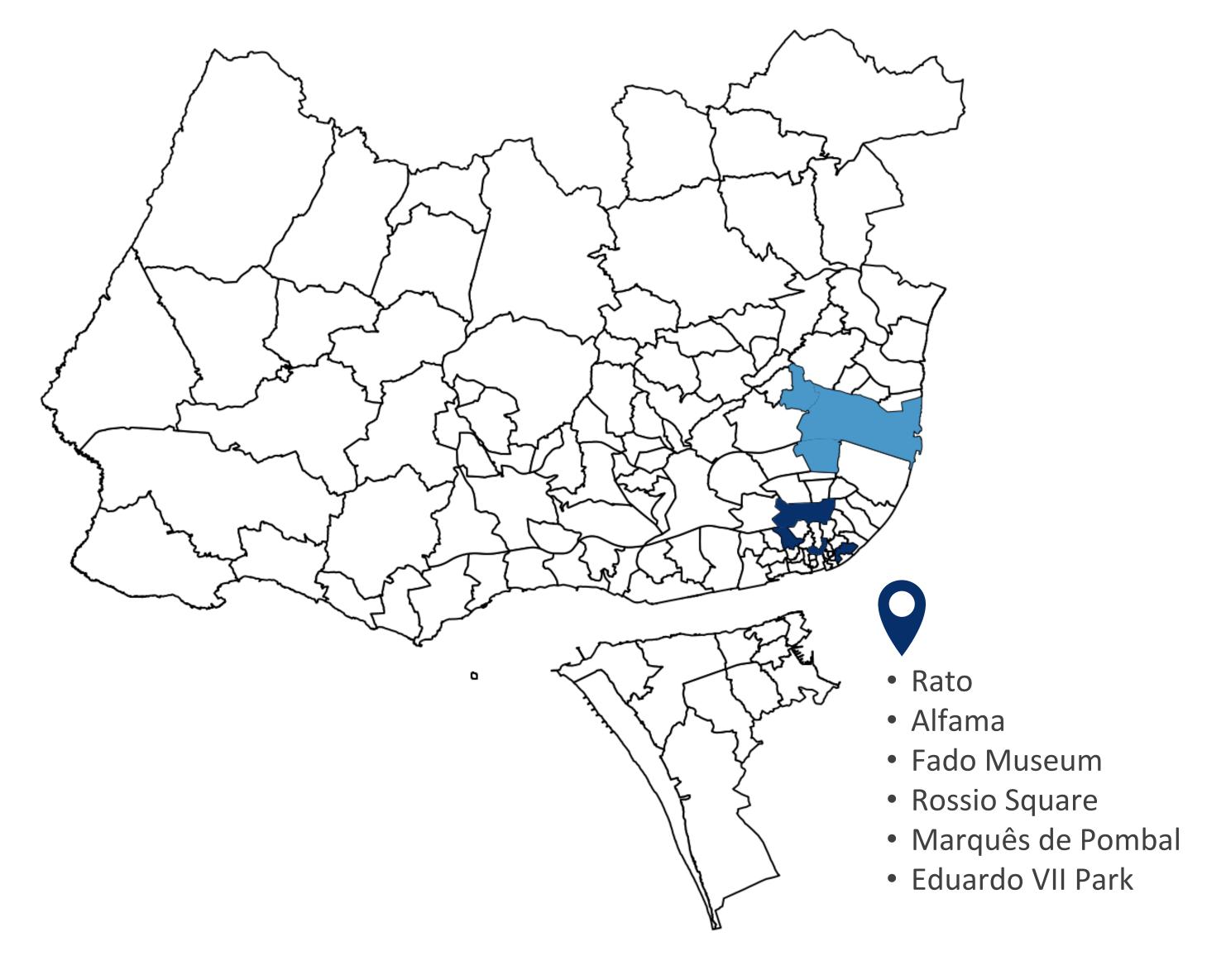
(First contact was in Lisbon Airport, suggesting this person came by plane)



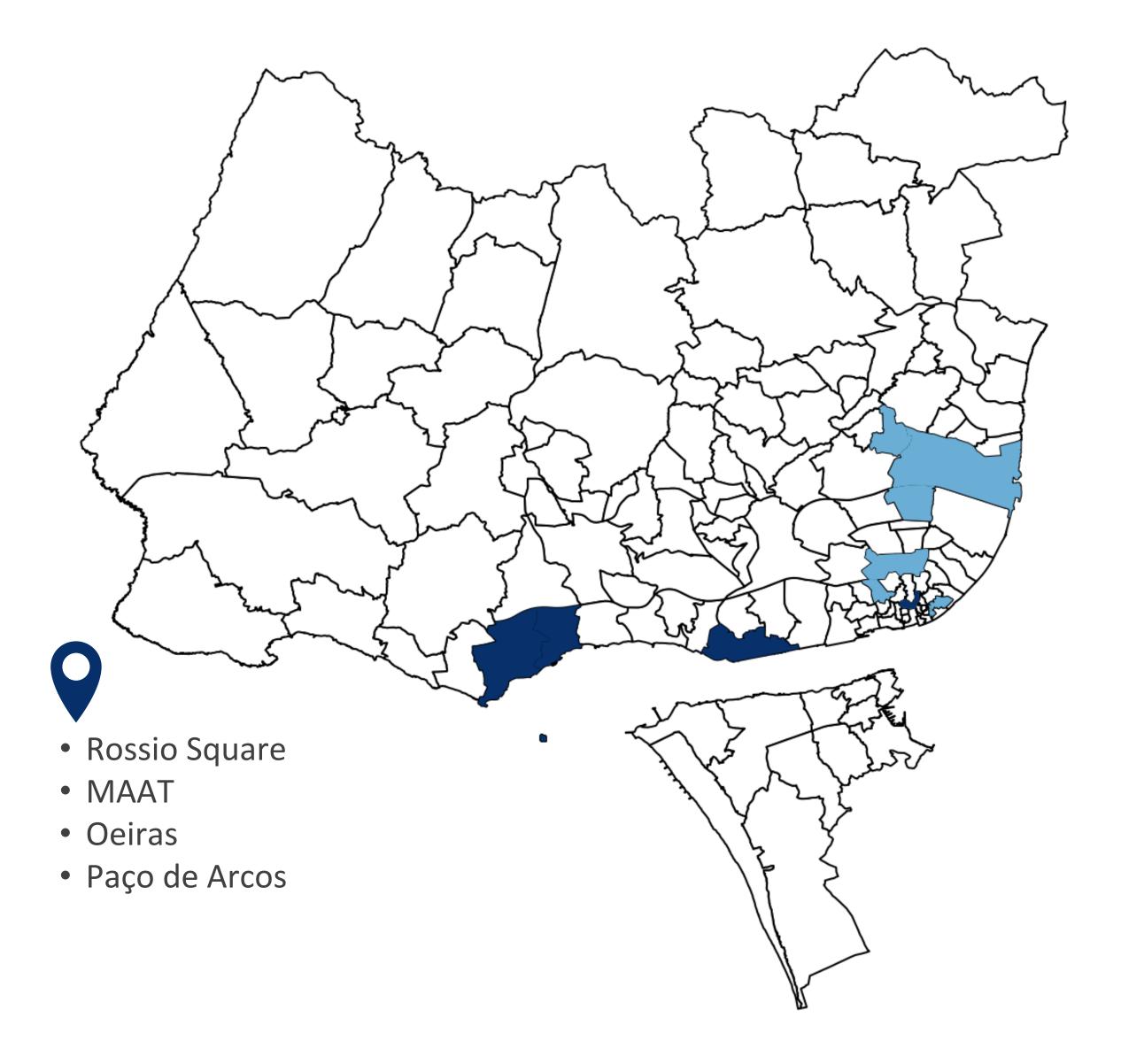
Day 1



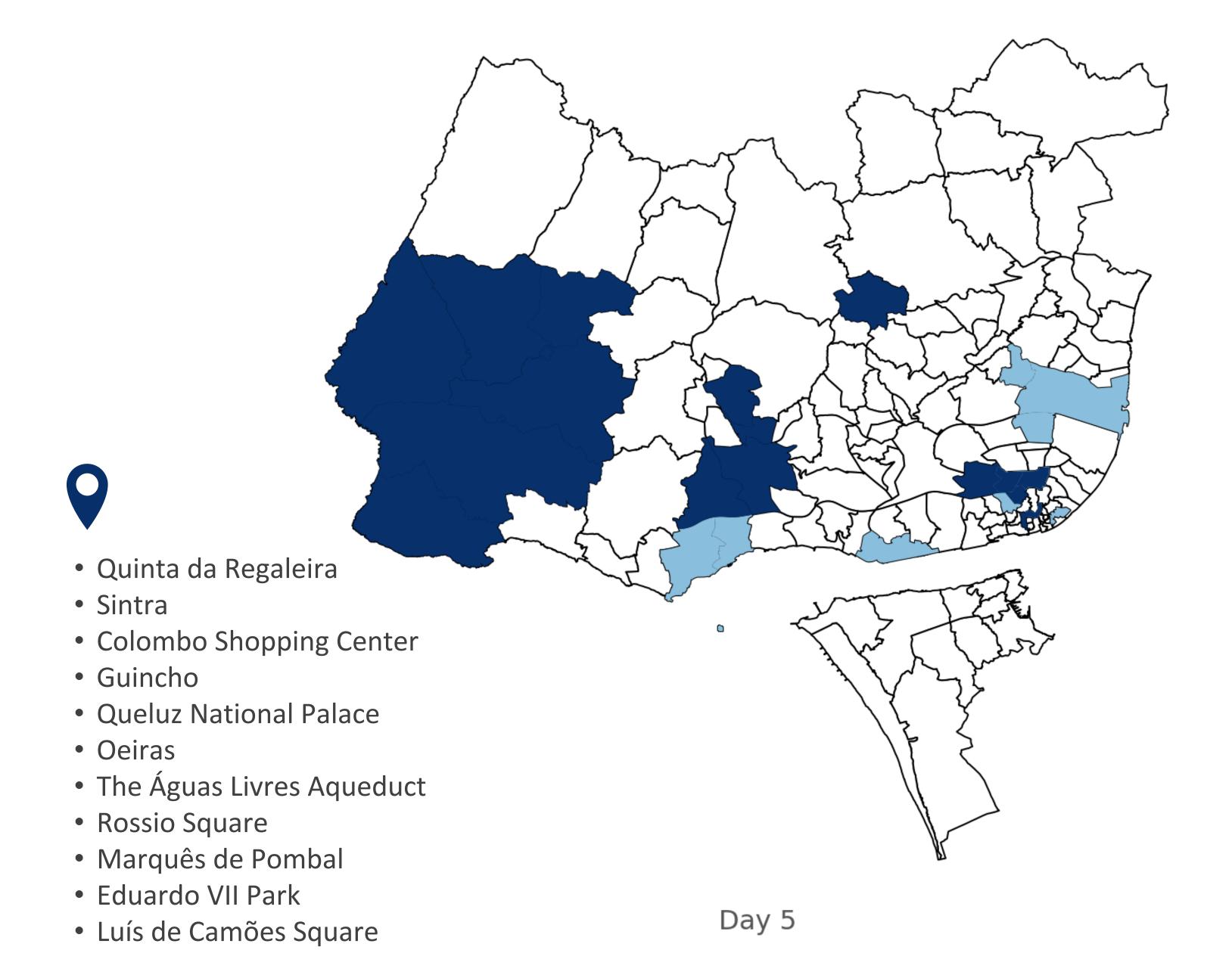
Day 2

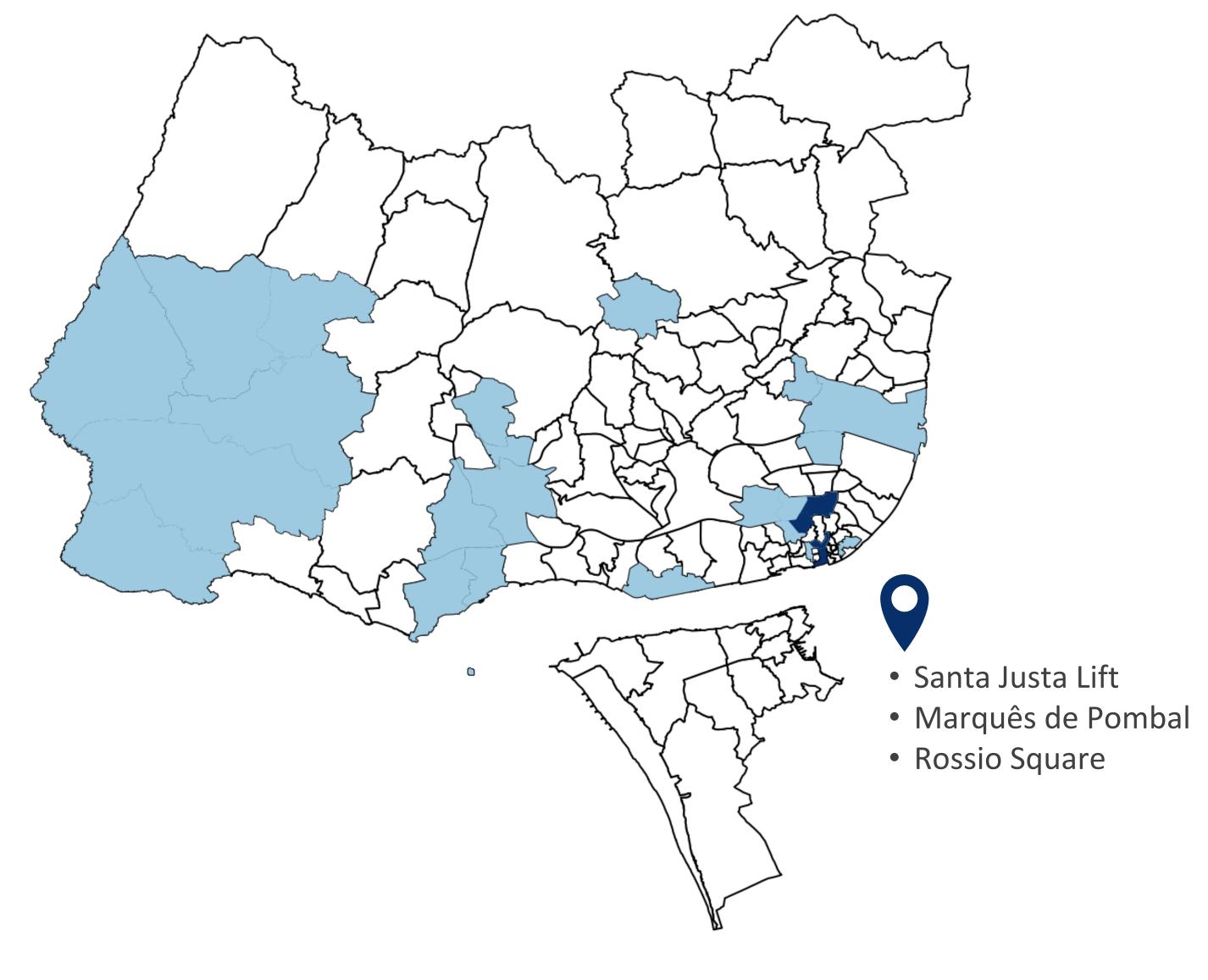


Day 3

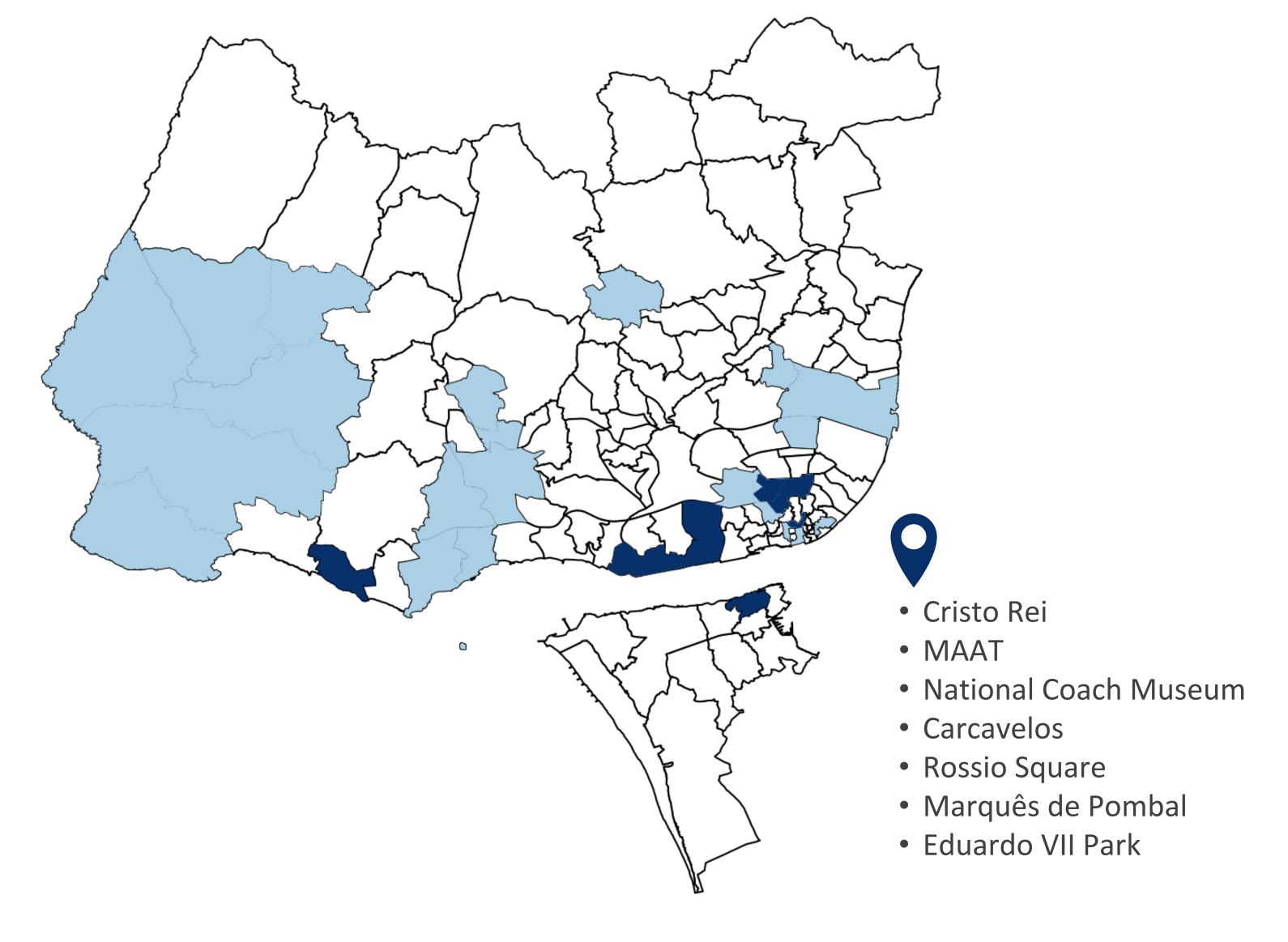


Day 4

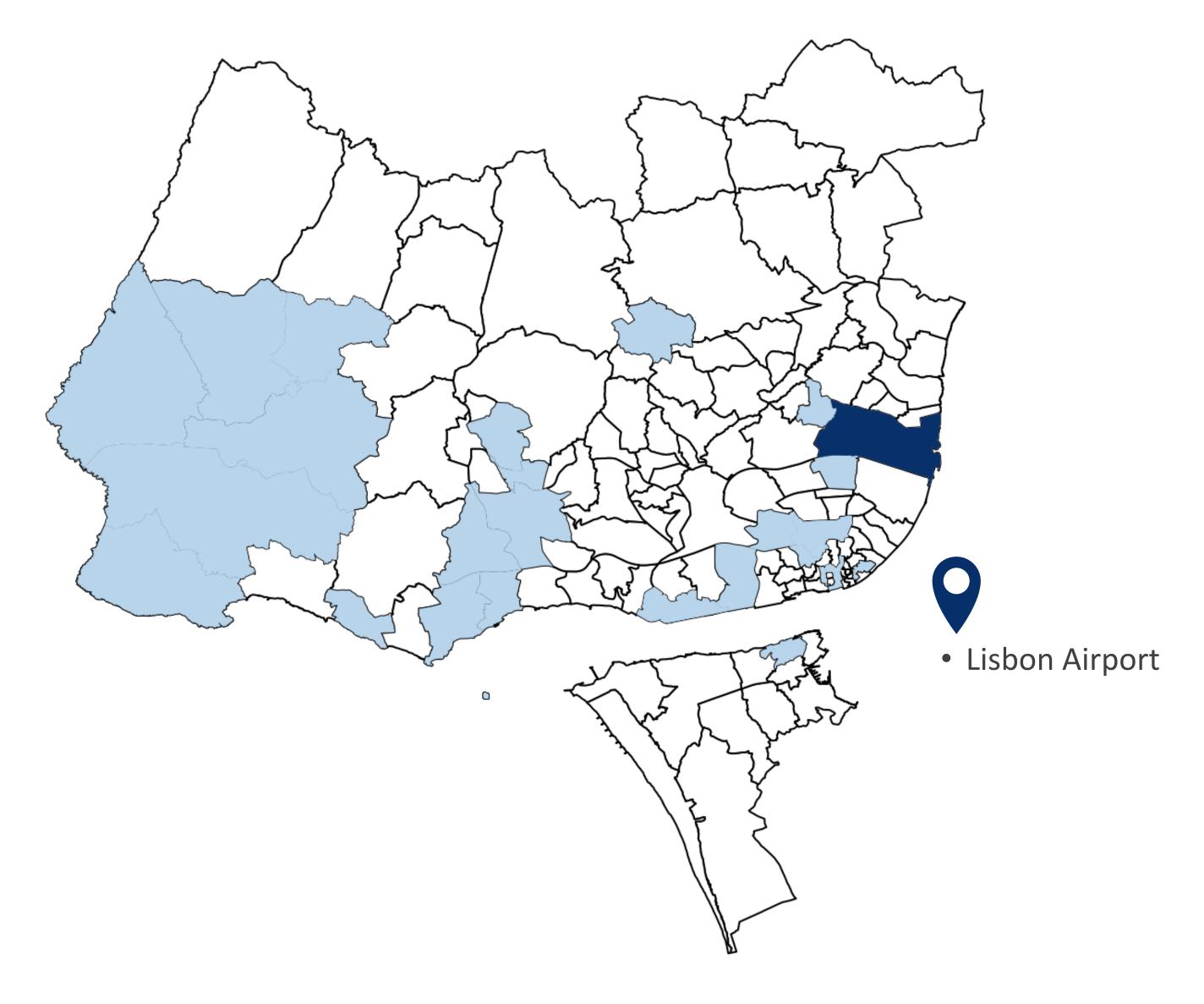




Day 6



Day 7



Day 8

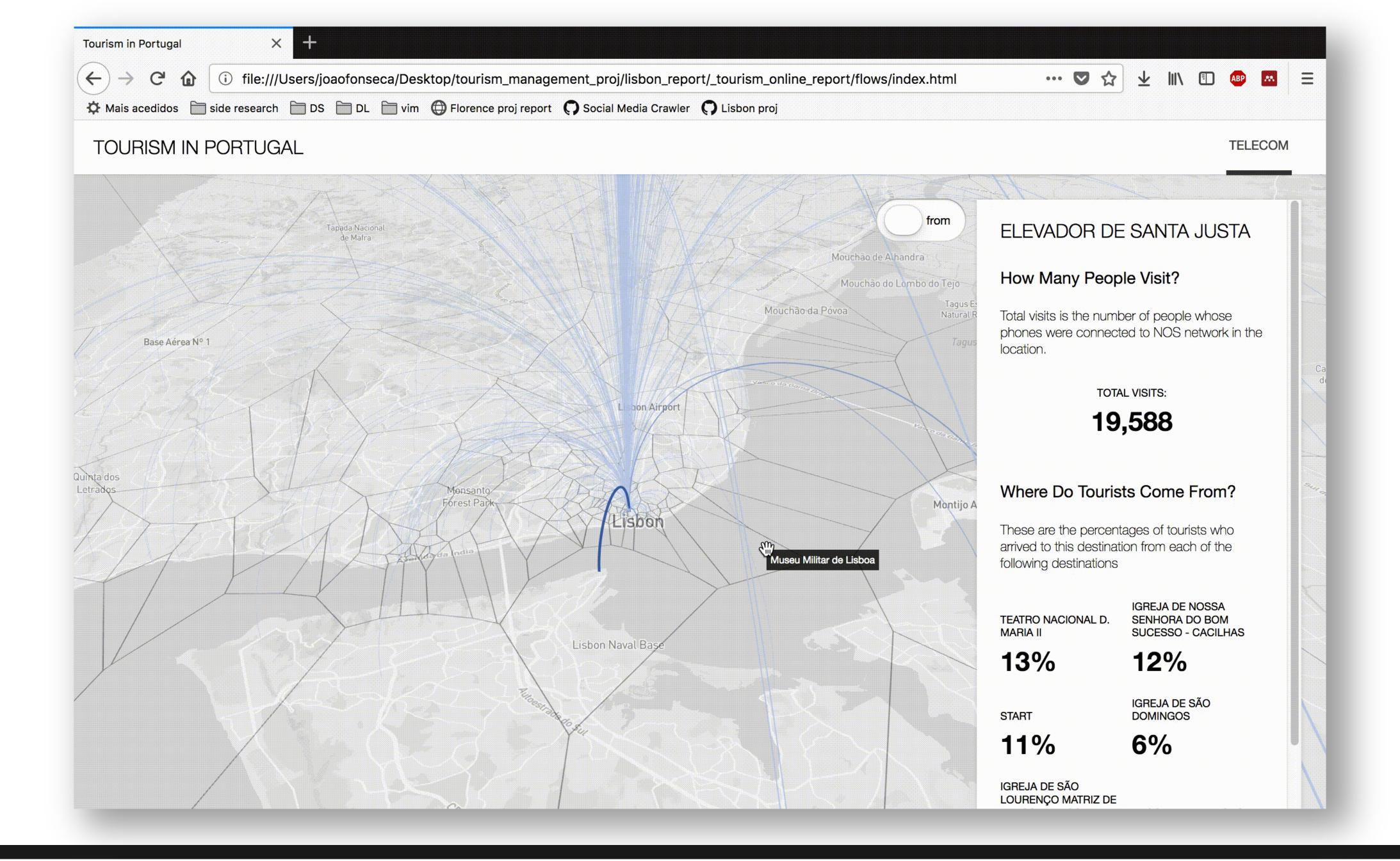
Data Story: A tourist in Lisbon



09 August 2017, 07h05m

WHERE DO THEY GO?

Data visualization using Deck GL





Purpose: Get data!







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