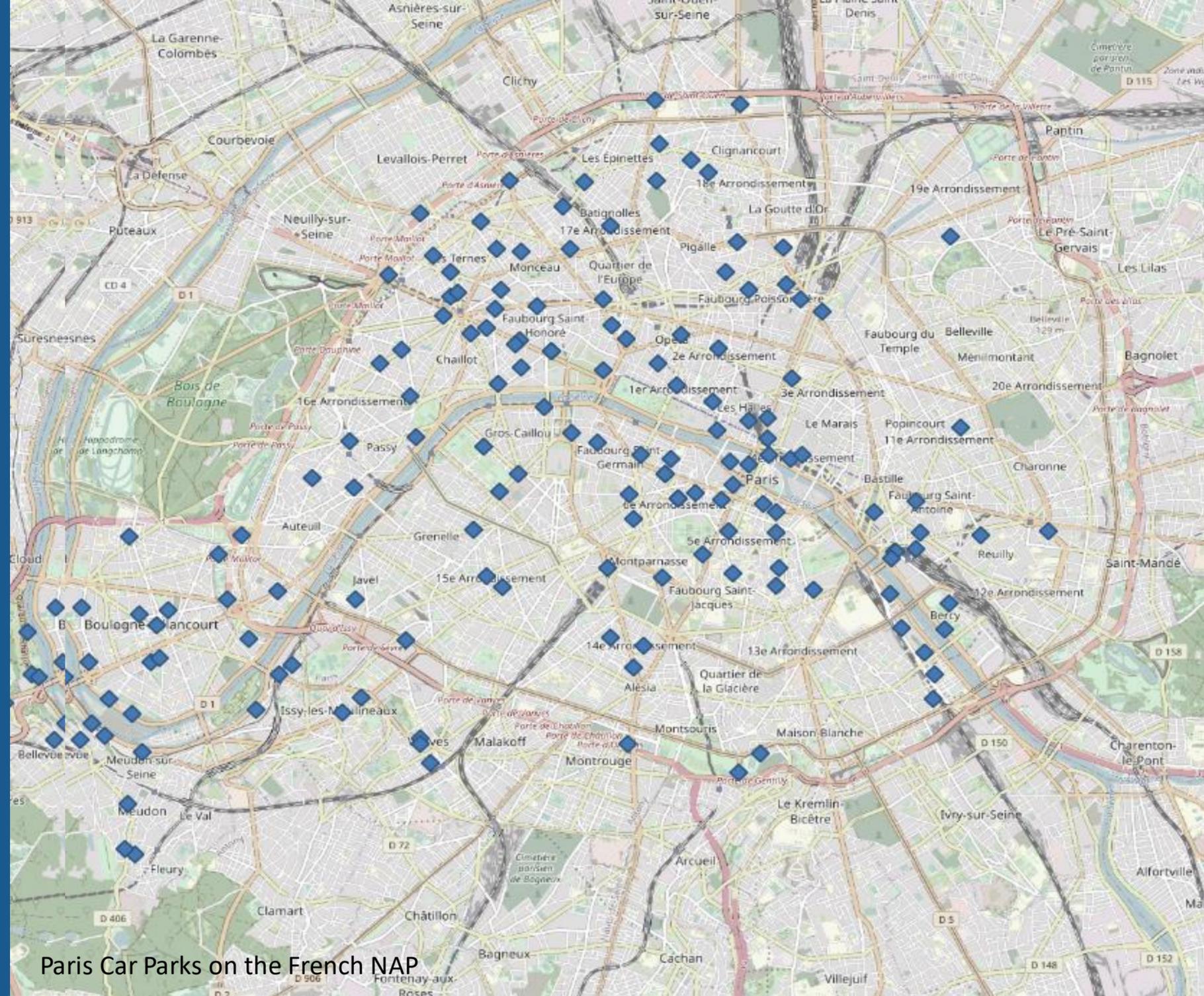


# A Study of the Parking Data currently available on the NAPs

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Preliminary Report  
European Parking Association

June 2023



# Methodology

## 1st Pass

Is each NAP easy to find, access and use?

## 2nd Pass

What Parking Data is available on each NAP?

## Focus

Data quality and consistency

## Results

Preliminary Results and Next Steps

Note:

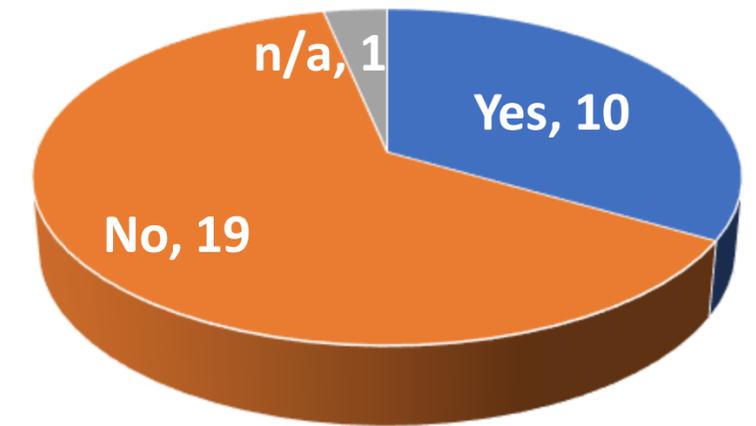
Every effort has been made to find and assess the parking data currently available on the NAPs. However, it is possible that not all parking data was identified / located.



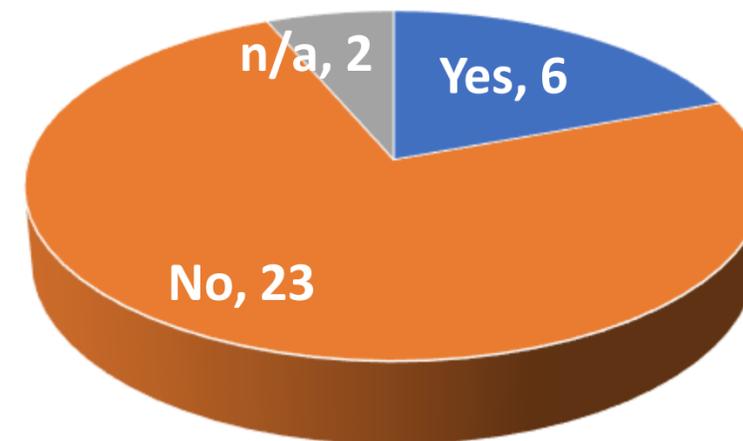
# 1st Pass

## Are the NAPs Easy to : Find, Access & Use?

Is it easy to find the NAP from a Google search?



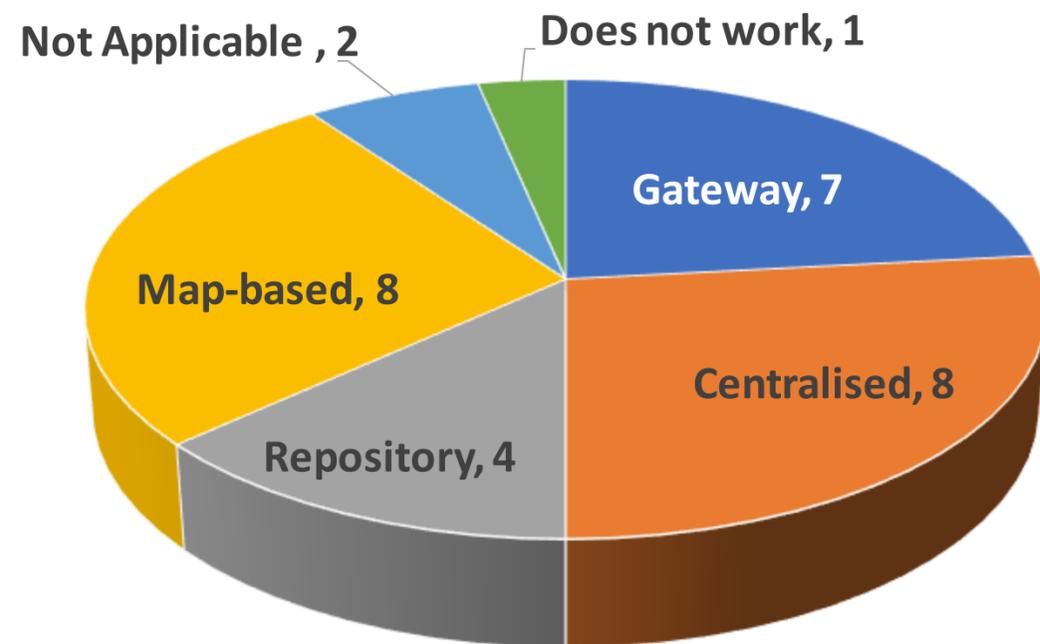
Is Registration required to access the datasets?



Note: The registration process, when required can be difficult or impossible.



# Types of NAP



Most NAPs fall into one of four categories:

1. **Gateways**

Simple signposting to other places that hold the data (e.g. Portugal)

2. **Centralised**

Curated data warehouses operated by central government or agencies (e.g. Belgium)

3. **Repositories**

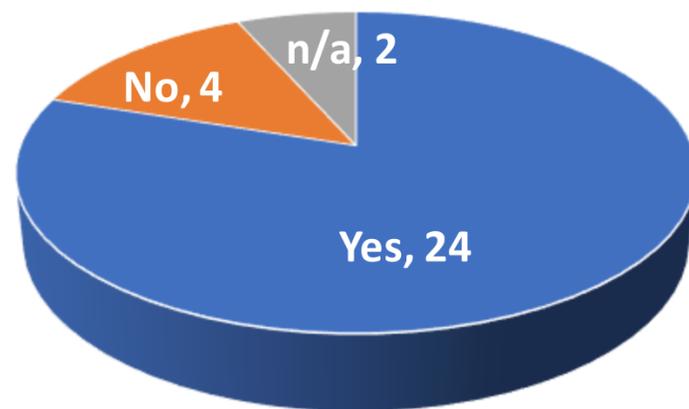
Data repositories which include data from multiple operators or agencies (e.g. France)

4. **Map-based**

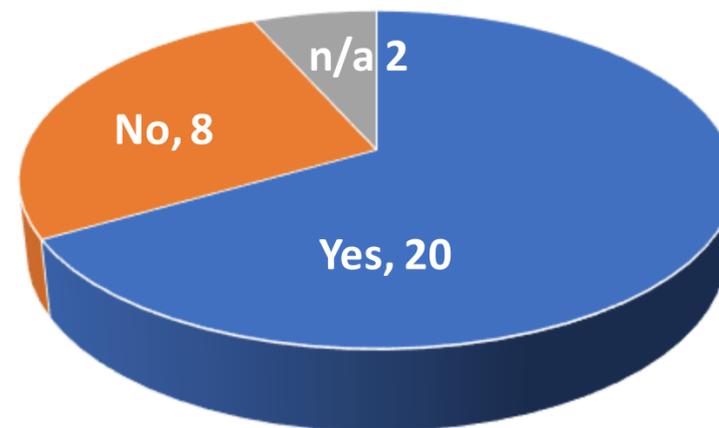
Data is primarily, or only, available on an interactive map (e.g. Croatia)

# Ease of Use – Finding Content in the NAPs

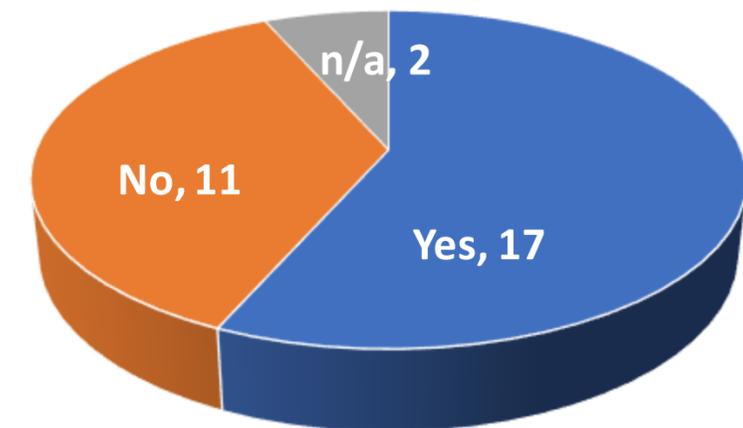
Does the NAP have a useable search function?



Does the search function yield useful results?



Can you search by data type?



## Notes:

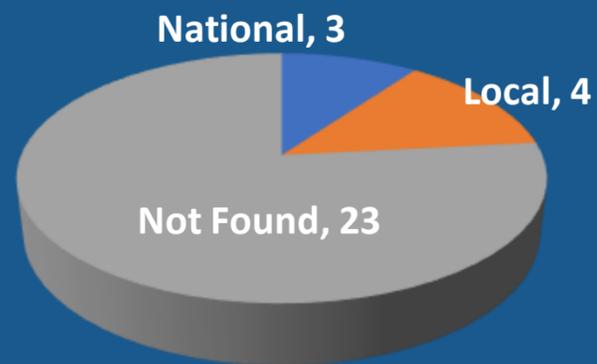
- The NAPs vary immensely in terms of type, layout and data format
- The NAPs are confusing to navigate and can be frustrating to use
- However, with perseverance, a search function can be found on most NAPs
- Data is generally not available in an easily re-usable format such as JSON, XML or CSV.



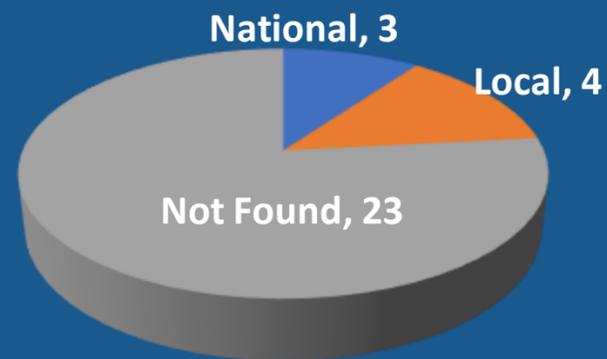
# 2nd Pass

The 2<sup>nd</sup> Pass identified and analysed the parking datasets available on the NAPs

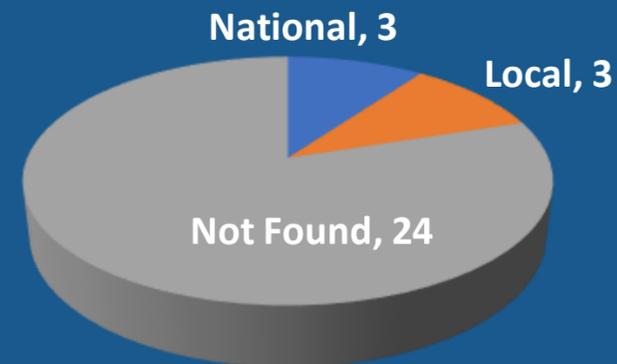
## On-street Parking



## Off-street Parking



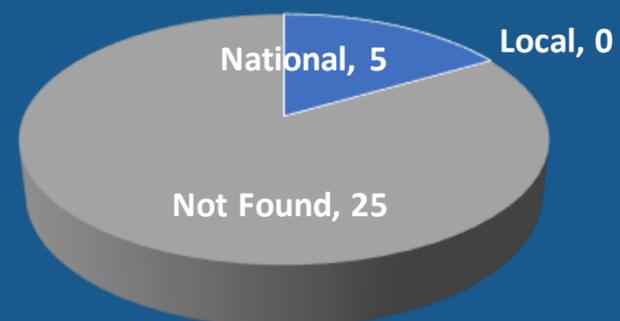
## Park & Ride



## Bike Parking



## Rail Parking



## Truck Parking



## Parking Datasets

- **National:** covering the whole nation (or Trans European Road Network)
- **Local:** including some regions or municipalities
- **Not Found:** No parking data found on the NAP.

# Focus - On/Off Street Parking

**Only 5 Member States have on/off-street parking data on their NAP**

- **Austria: Good map-based data on the ÖAMTC portal**
- **The Netherlands: The National Parking Registry appears to be complete for on-street parking. Data format : NL Custom**
- **France: Data on circa 20 cities (800 car parks), however, many data fields are empty. Data format: CSV file**
- **Germany: Parking data from 25 German cities in the new Mobilithek Data Format: DATEX II.**
- **Ireland: Some local off-street information uploaded by individual municipalities. Data Format: Custom**



# Preliminary Study Results

The NAPs are inconsistent in structure and format

There is very little urban parking data on the NAPs, only 7 out of 30 have any

The NAPs are generally confusing and frustrating to use and search

The Netherlands' NAP is easiest to access and has the most complete parking dataset, however it still confusing and hard to navigate

From the point of view of a data consumer the limited parking data available on the NAPs is incomplete and not very useful

The Cyprus and UK NAPs appear to have no urban or truck parking data

# Next Steps?

- 1. Evaluate, confirm / modify the preliminary study results with the NAPs via NAPCORE, the Parking Ambassadors & EPA members**
- 2. Facilitate access to the NAPs by:**
  - Indicating the type of NAP eg Gateway, Centralised..**
  - Ensuring layout & functionality of NAPs is more consistent...**
- 3. Agree an action plan to improve access to parking data on the NAPs**

## **EPA Actions**

- Establish a European Regulated Parking Data Profile**
- Make a concerted effort with the help of EPA members to populate the NAPs with an appropriate set of parking data elements**

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