

S.LI.DES

Smart strategies for sustainable tourism in Lively cultural DESTinations

2014 - 2020 Interreg V-A
Italy - Croatia CBC Programme
Priority Axis: Environment and cultural heritage
Specific objective: 3.1 - Make natural and cultural heritage a leverage
for sustainable and more balanced territorial development

D.4.1.2. Destination dashboard user manual

The document including the User Manual for the Destination Dashboard and describing the meaning and the development of the deliverable D.4.1.2

Work Package:	4 – Pilot actions		
Activity:	1 – Destination dashboard prototype		
Responsible Partner:	Dubrovnik Development Agency DURA		
Partners involved:	LP – University of Cà Foscari (IT) PP1 – Ciset (IT) PP2 – Ecipa (IT) PP3 – SIPRO Ferrara (IT) PP4 – City of Bari (IT) PP5 – City of Venice (IT) PP6 – CAST-University of Bologna (IT) PP7 – Institut za Turizam (HR) PP8 – Craft College- Institution for adult education Subsidiary Rijeka (HR) PP9 – Dubrovnik Development Agency – DURA (HR) PP10 – Sibenik Tourist board (HR)		

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Introduction

This document contains a description and explanation of the deliverable D.4.1.2 Destination dashboard User Manual and includes the content of the manual. The deliverable D.4.1.2 implies the development of a training documentation in English to explain the scope of the Dashboard and support its use. The User Manual would provide guidelines on how to automatically create and interpret the destination control panel (the Dashboard), to develop customised analysis and to compare results over time and space.

D.4.1.1. Destination Dashboard User Manual

The second deliverable of the activity “A.4.1 Destination dashboard prototype” is the **development of the Destination Dashboard User Manual**. After the finalisation of the previous deliverable D.4.1.1. (Destination dashboard prototype), along with the development of the user manual, a training session was held on a project level to present the platform to all the project partners and to give the instructions to project destinations on how to use it. In cooperation with the Dashboard external provider, ECIPA managed to provide the end-user manual for the S.Li.DES. Dashboard intended for the project partners, especially project cities and other stakeholders who will use the Dashboard.

End-user manual for the S.Li.DES. Dashboard

The following part of the document was developed in cooperation between PP2 ECIPA and PP9 DURA.

Introduction to the manual

The S.LI.DES. project aims at fostering cross border cooperation among cultural destinations in the Programme area of Interreg ITA-HR as well as a joint planning of smart strategies to support more sustainable and balanced territorial development through the promotion of tangible and intangible cultural heritage.

This manual represents a support guide addressed to the end-users who will benefit from this tool specifically developed by the project.

Main section of the manual

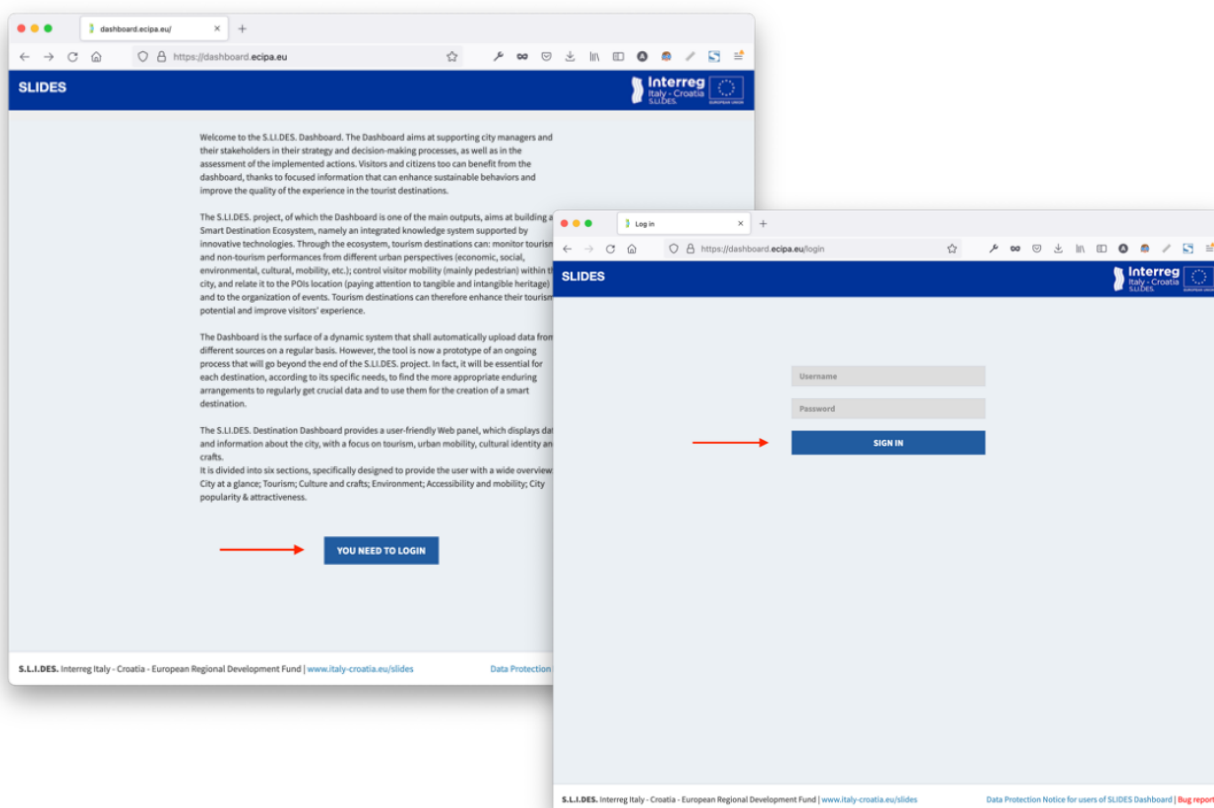
The manual is divided into 4 main sections and the last one containing general information and contacts:

1. Log in to the S.LI.DES. Dashboard
2. Start-page and menu navigation
3. Main structure on data page
4. Main interactive functions of graphs
5. Contacts

Section 1: Log in to the S.Li.DES. Dashboard

The end user can log into the dashboard through the S.LI website. There are two domains available: <https://slides-project.eu> and <https://dashboard.ecipa.eu>.

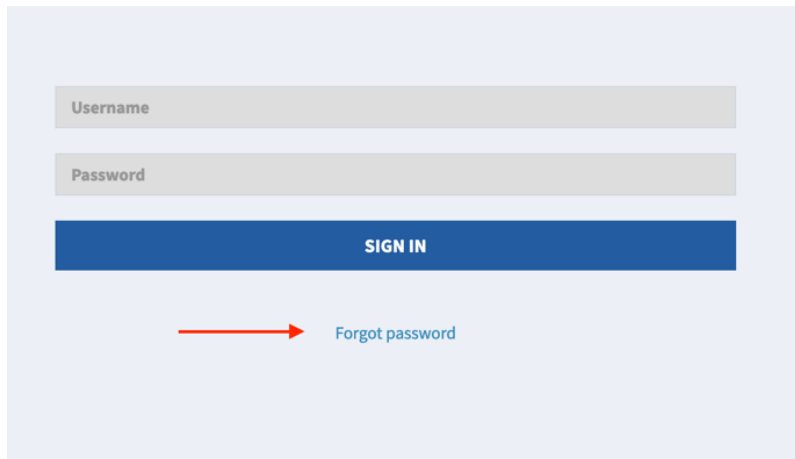
1. Open the favourite browser (dashboard is tested on Mozilla Firefox 94.0.2 and Google Chrome Version 96) and go to <https://slides-project.eu> or <https://dashboard.ecipa.eu>.
2. Click on "You need to login" button.
3. Insert email and password delivered by administrator.
4. Click on "Sign In"



How to recover the password

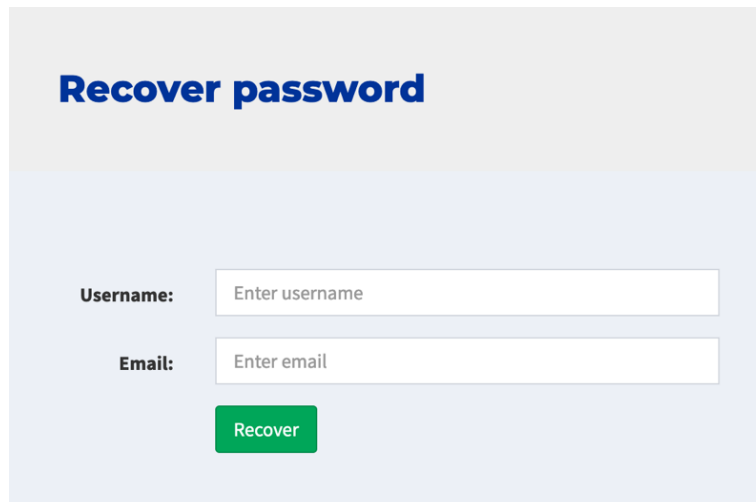
If you forgot the password, follow the following steps:

1. Click “Forgot password” link



A screenshot of a login form. It features two input fields: 'Username' and 'Password'. Below these fields is a blue button labeled 'SIGN IN'. Underneath the button, there is a red arrow pointing to the text 'Forgot password'.

2. Insert username and email, then click “Recover”



A screenshot of a 'Recover password' page. The title 'Recover password' is displayed in bold blue text at the top. Below the title, there are two input fields: 'Username:' with the placeholder text 'Enter username' and 'Email:' with the placeholder text 'Enter email'. At the bottom of the form is a green button labeled 'Recover'.

Mail has been sent, follow instructions

Username:

Email:

3. Check the incoming messages, eventually in the spam folder
4. Use the link “Reset Password” to set up a new password

We received a request to reset your password from xxx.xxx.xxx.xxx

Use the link below to set up a new password

If you did not request to reset your password, just ignore this email

[RESET PASSWORD](#)

5. Insert the new password and repeat the same password in the second field.

User - reset password

New password:

**New password
(again):**

Reset

Section 2: Start-page and menu navigation

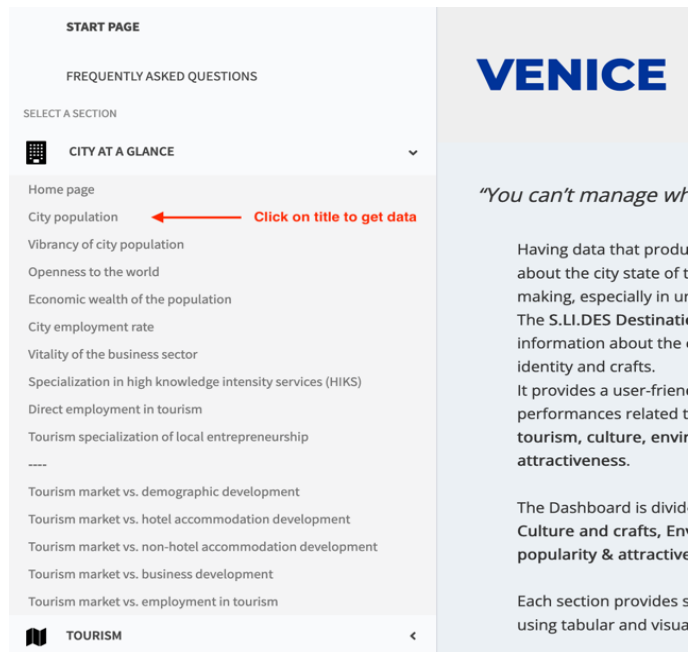
Users are redirected to the “start page” page after login. This section is divided in two main parts:

1. navigation menu and
2. brief presentations of dashboard and project.

The navigation menu is divided in 6 parts: click on title of each part to get in it.



Clicking on each title's subtopic, data will be displayed as follows:



START PAGE

FREQUENTLY ASKED QUESTIONS

SELECT A SECTION

CITY AT A GLANCE

- Home page
- City population **← Click on title to get data**
- Vibrancy of city population
- Openness to the world
- Economic wealth of the population
- City employment rate
- Vitality of the business sector
- Specialization in high knowledge intensity services (HIKS)
- Direct employment in tourism
- Tourism specialization of local entrepreneurship
-
- Tourism market vs. demographic development
- Tourism market vs. hotel accommodation development
- Tourism market vs. non-hotel accommodation development
- Tourism market vs. business development
- Tourism market vs. employment in tourism

TOURISM

VENICE

"You can't manage w...

Having data that produ... about the city state of t... making, especially in ur... The S.LI.DES Destinati... information about the i... identity and crafts. It provides a user-frien... performances related t... tourism, culture, enviro... attractiveness.

The Dashboard is divid... **Culture and crafts, Env... popularity & attractiv...**

Each section provides s... using tabular and visua...

Section 3: Main structure on data page

Each page on specific data is structured as described in following figure:

Tourism Correlations ← Topic's title
Evolution of tourism arrivals vs. Cruise accessibility ← In the subtitle line more detail informations

Data visualization interactive section

Year	Evolution of tourism arrivals (Abs. values)	Cruise passengers (Abs. values)
2010	3,800,000	1,600,000
2011	4,200,000	1,800,000
2012	4,100,000	1,700,000
2013	4,200,000	1,800,000
2014	4,200,000	1,700,000
2015	4,500,000	1,500,000
2016	4,600,000	1,600,000
2017	5,000,000	1,400,000
2018	5,200,000	1,500,000
2019	5,500,000	1,600,000

Since January 2014 the transit of ferry ships in the Giudecca canal and in the St. Mark canal has been forbidden. Since January 2015, cruise companies have decided to place in Venice only ships up to 96,000 tons of gross tonnage, waiting for a new access solution to Marittima station

The graph compares the evolution of total tourism arrivals in the city with cruise passengers arrivals.
Pearson coefficient: -0.551 (*)

* The Pearson coefficient is a mathematical correlation coefficient representing the relationship between two variables. It ranges from +1 to -1, with +1 representing a positive correlation, -1 representing a negative correlation, and 0 representing no relationship

More information about data sources or data explanations

S.L.I.DES, Interreg Italy - Croatia - European Regional Development Fund | www.italy-croatia.eu/slides Data Protection Notice for users of SLIDES Dashboard | [Bug report](#)

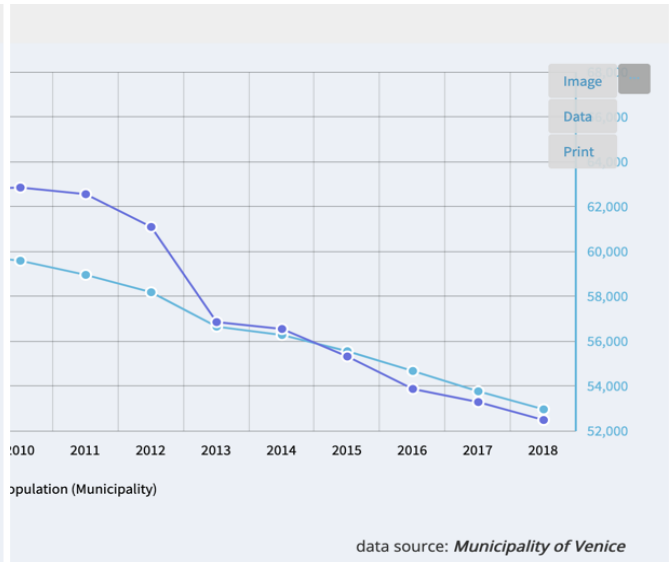
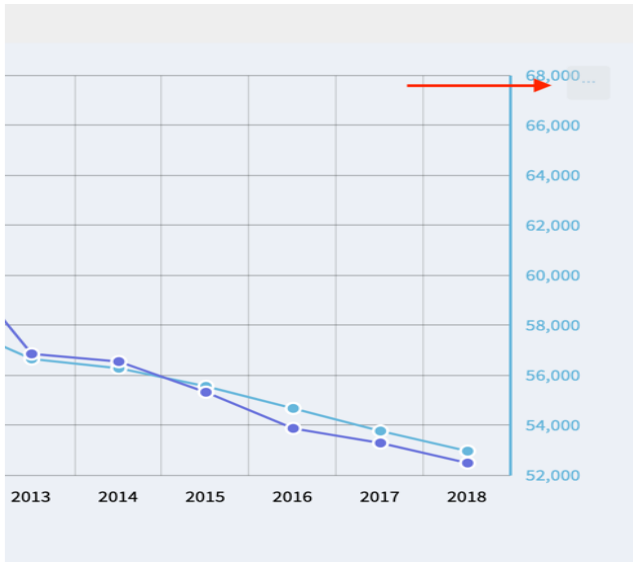
Section 4: Main interactive functions on graphs

The purpose of this chapter is to get the user acquainted with basic functions of charts.

4. 1 Exporting Charts

Each chart (except for a few charts) has exporting functionality built right into its core. It allows saving chart view or its data into various formats, like JPEG, PNG, PDF, XLSX, CSV, or JSON.

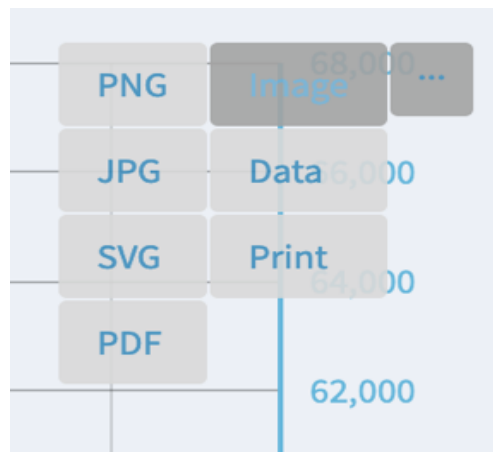
You can see a somewhat dimmed out button in the upper right corner, that when hovered will display export options for various image and data formats, as well as print.



Type of data available: Json, csv, xlsx, html, pdf

- Image
- Data**
- Print
- XLSX
- HTML
- PDF

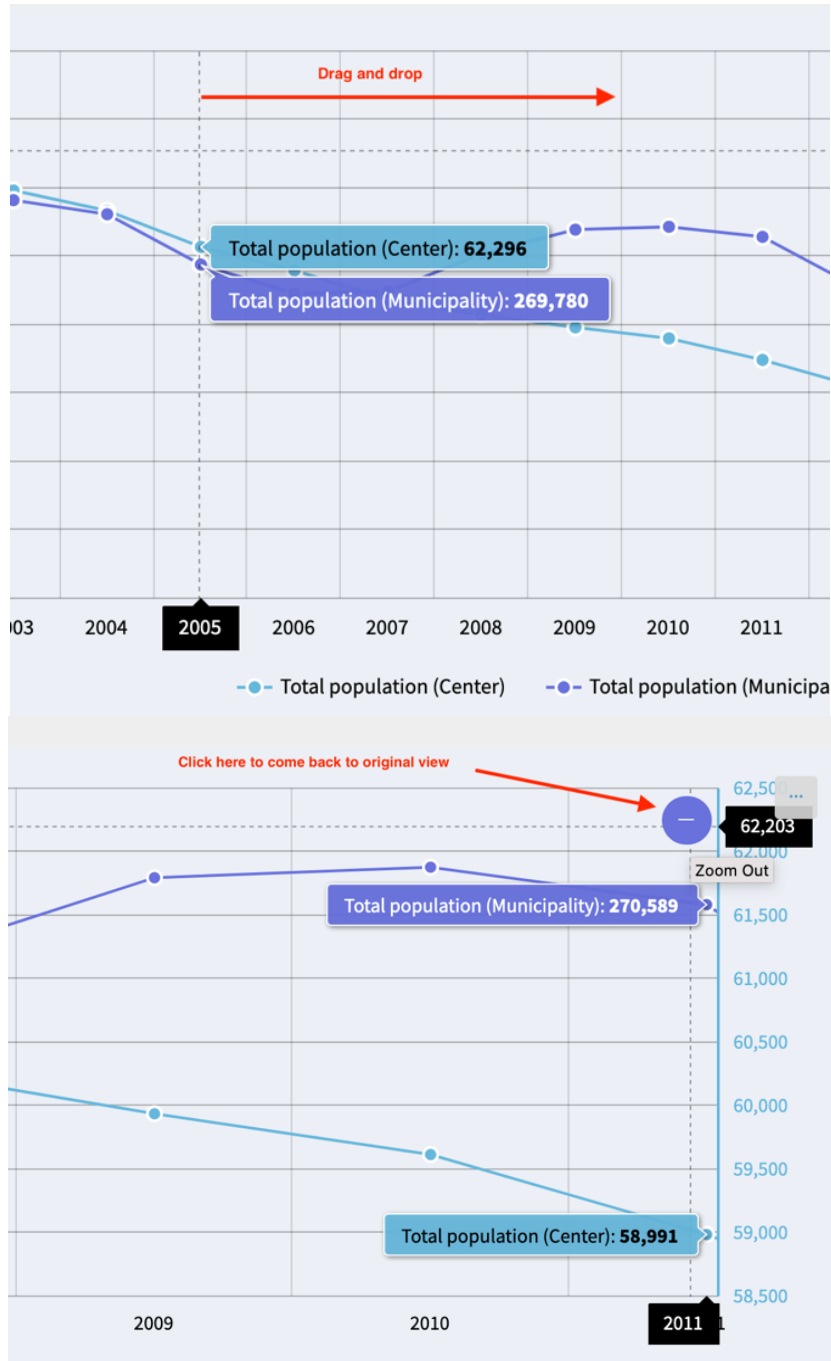
Type of Image: png, jpg, svg, pdf



4.2 Use zoom function

The more data points chart has, the more crammed up it gets. The user may use “zoom in” into particular sections of the chart. If the feature is available (it depends on data quantity), you can zoom in clicking on a specific point of the chart and then drag and drop for the range that you desire.

Click on “minus icon” to come back to original view.



4.3 Show / Hide series in chart

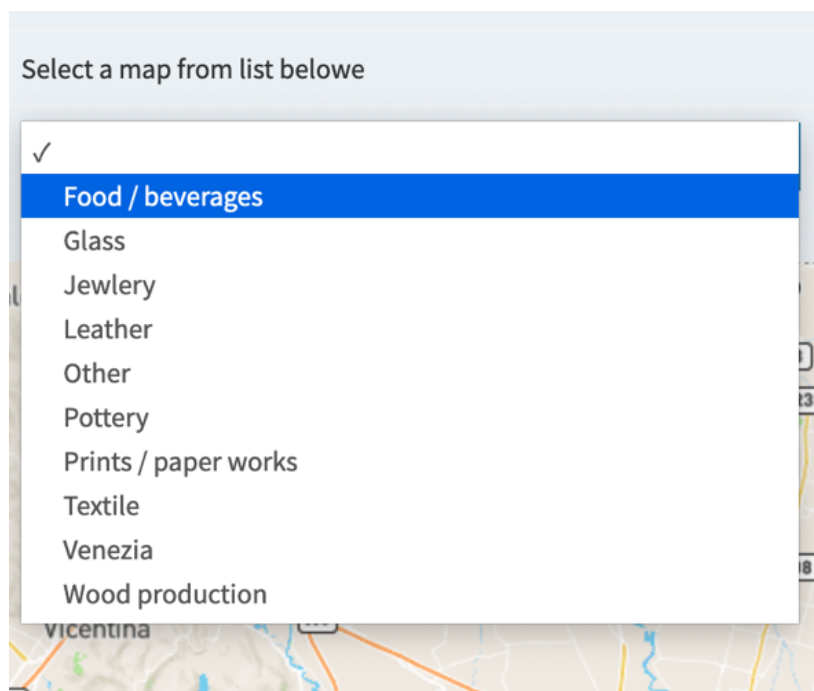
The user can show or hide the legend of a chart, clicking on name of series, as shown in the following charts:



4.4 Dynamic map in Culture and Crafts section

You can visualize data about the distribution and characteristics of craft activities over the urban space using dynamic map in "Culture and Crafts" section.

1. Select a map from list below




2. Select range time (from – to)

From To

« **January 2020** »

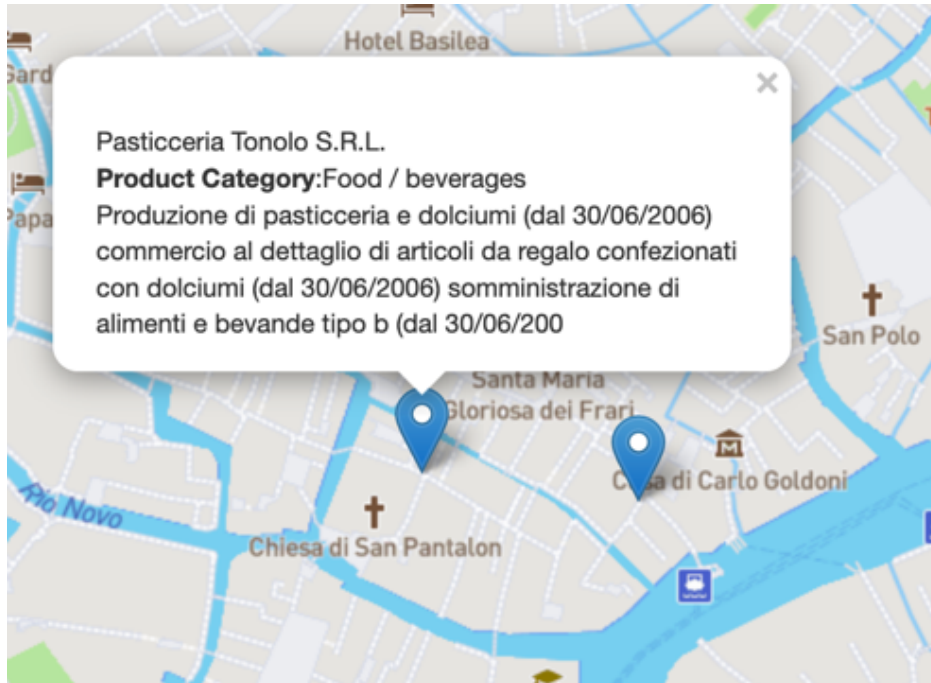
Su	Mo	Tu	We	Th	Fr	Sa
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1
2	3	4	5	6	7	8



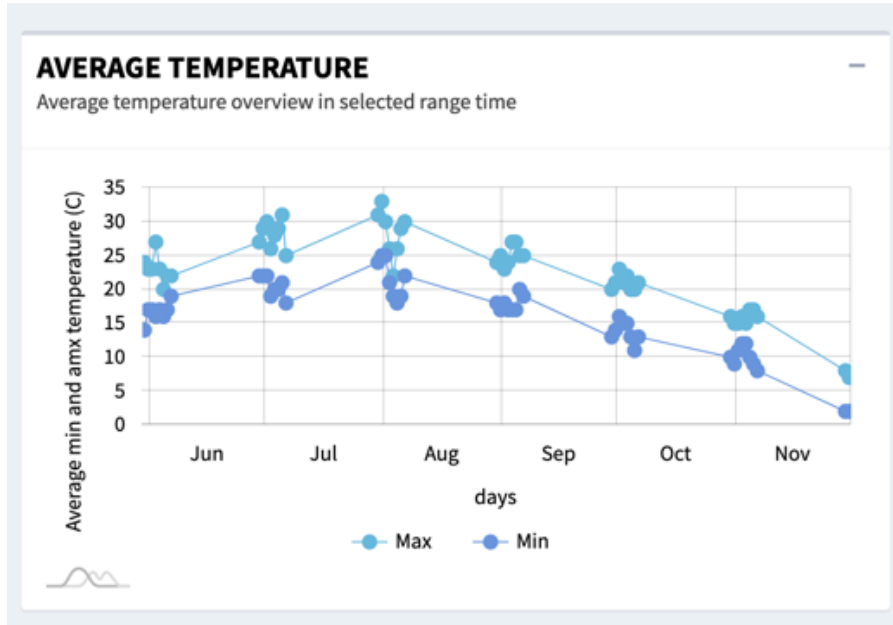
3. Click on “Select”
4. Click on marker to show more points



5. Click on maker to show more information about item



6. In the boxes below the map, the following information will be displayed:
- the average temperature overview in selected range time (if available). Click on “plus” icon on left to show this information.



- b. Overall TripAdvisor number of reviews/review rating counts/photo count (if available) given by the visitors of the POIs

TRIPADVISOR

Overall Tripadvisor number of reviews/review rating counts/photo count (if available) given by the visitors of the POIs

name	reviews	photo	rating
VizioVirtu	0	0	0
PASTIFICIO SERENISSIMA di Ivan De Rossi	0	0	0
VizioVirtu Cioccolateria	0	0	0

- c. RSS Feeds from any local and national websites

RSS FEEDS
RSS Feeds from any local and national websites

2020-05-30 ▶

Chiuso Covid Hospital di Jesolo

Ultime due dimissioni, poi festa e cori da stadio per sanitari

[Link](#)

Click here to show more informations

Le meraviglie della Villa romana rimasta sepolta sotto i vigneti della Valpolicella

Marghera, libro di Bettin trovato bruciato in Municipio

Visitano Venezia in costume da bagno. Multa da 250 euro a testa

Brugnarò ad Actv: "Servizi a regime dal primo giugno con tutto il personale al lavoro"

Basket, la Reyer rimborsa gli abbonamenti 2019-2020 per la parte della stagione annullata


«Quel fantastico oro nel mare di Perth e un solo rimpianto: mai alle Olimpiadi»

d. Forecast Overview in selected range time

2020-05-30 ▶

sat 30 may afternoon

Click here to show more informations



Temperature: min 16/21 C

Download and update dynamic maps (available for Dubrovnik and Šibenik)

To better understand file’s structure, please refer to manual's section **3.1 | FileJson**

- Download the actual file by clicking on “Download [filekind] file” (**Hint:** save this file as a backup copy. You might need to restore it later).
- Apply desired changes with a text editor (e.g.notepad). Please do not use a WordProcessor (such as MsWord).
- Save files with the same name.
- Upload the new definition files using the form. Left form is for map definition, right form is for Information definition.

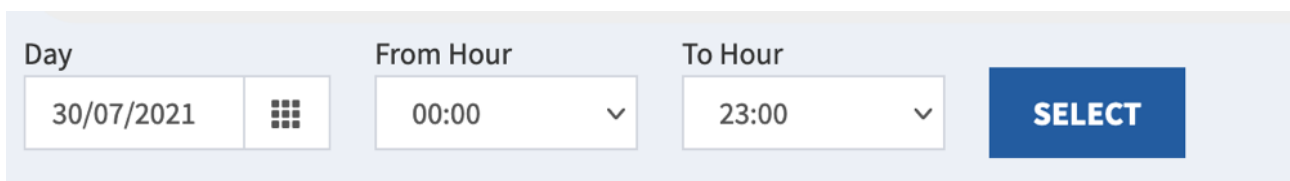
Note: if you upload a file that is not correctly compiled, this section won't work anymore. Special attention should be placed in the “Information definition” file.

4.5 People detected on streets

The dashboard user interface has several data-related failsafe mechanisms: in the case of real time data sensors missing data several forecasting models based on the historical timeseries of the sensors themselves has been developed. When possible historical data are taken into account to construct a plausible curve for the missing sensor data. If this is not possible, as last resort to ensure service continuity, a standard null-model (manually fine-tuned for each use case) is used to reconstruct the missing data.

How to use it:

- Select a day and a range hour using calendar picker.



The form contains the following elements:

- Day:** A text input field containing "30/07/2021" and a calendar icon.
- From Hour:** A dropdown menu showing "00:00" with a downward arrow.
- To Hour:** A dropdown menu showing "23:00" with a downward arrow.
- SELECT:** A blue button with white text.

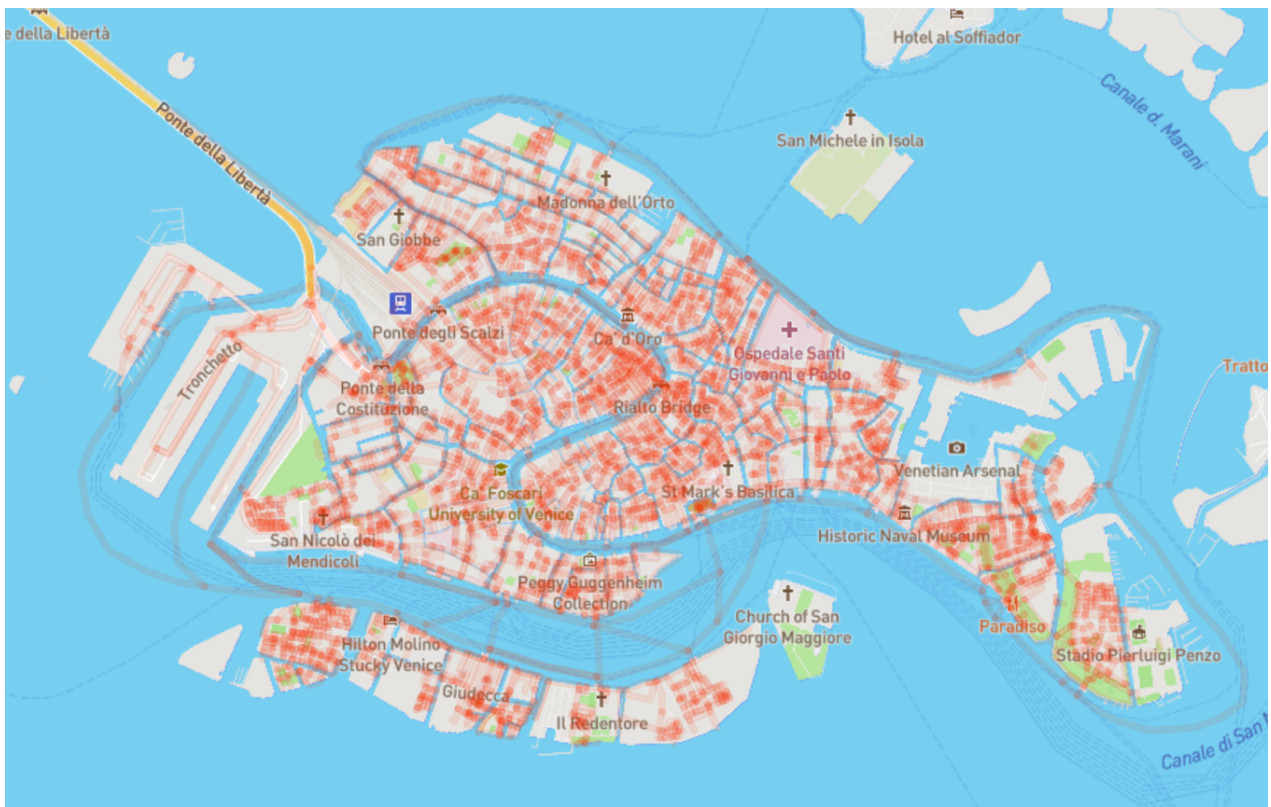
4.6 The Dynamic Flow and the Dynamic Heat Map

The data will be displayed in two maps:

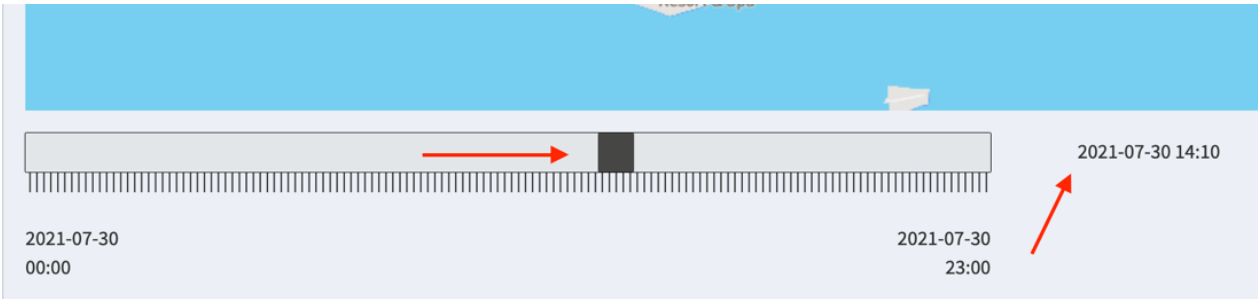
- a) **Dynamic Flow Map**
- b) **Dynamic Heat Map**

Dynamic Flow Map

1. After clicking the “Select” button, map displays in red every segment of people’s flow

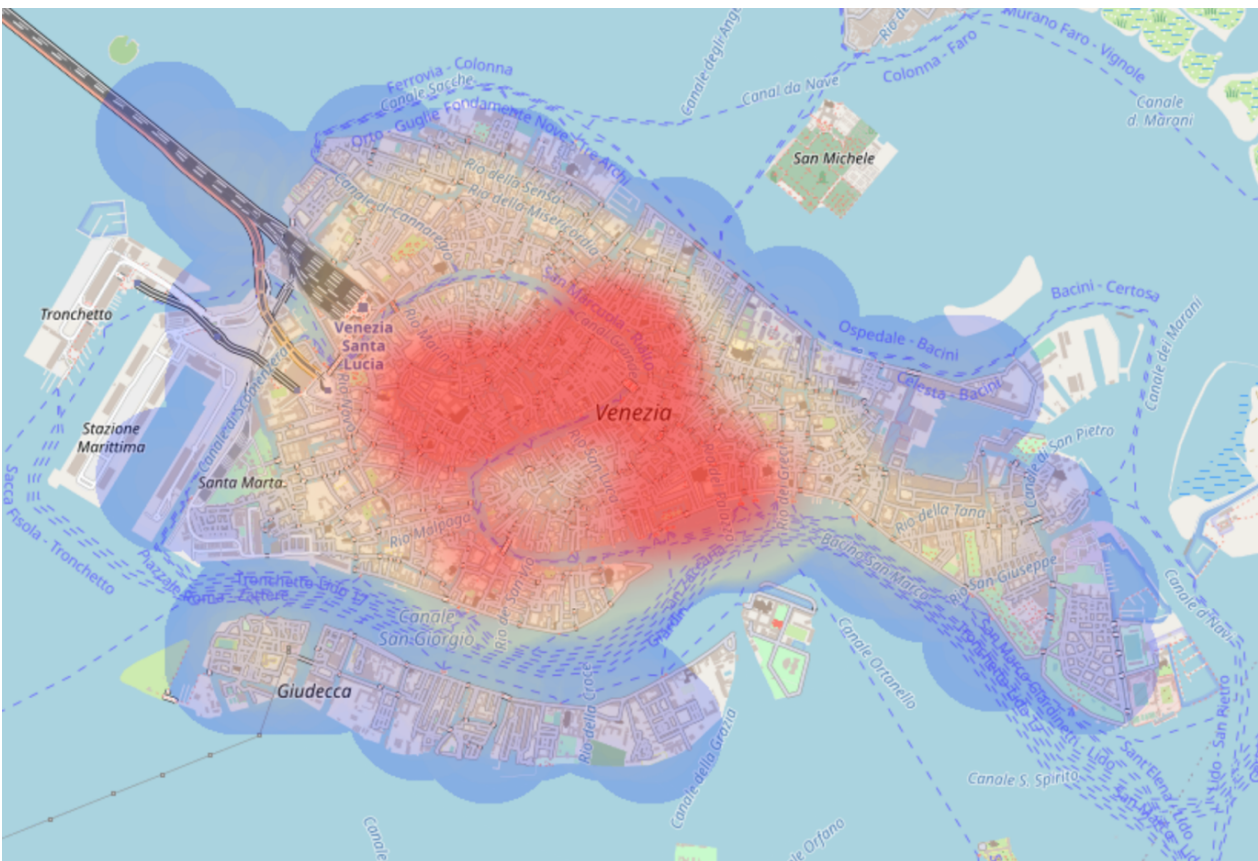


2. In the bottom part of the maps, it is possible to select a specific hour in the day selected.



Dynamic Heat Map

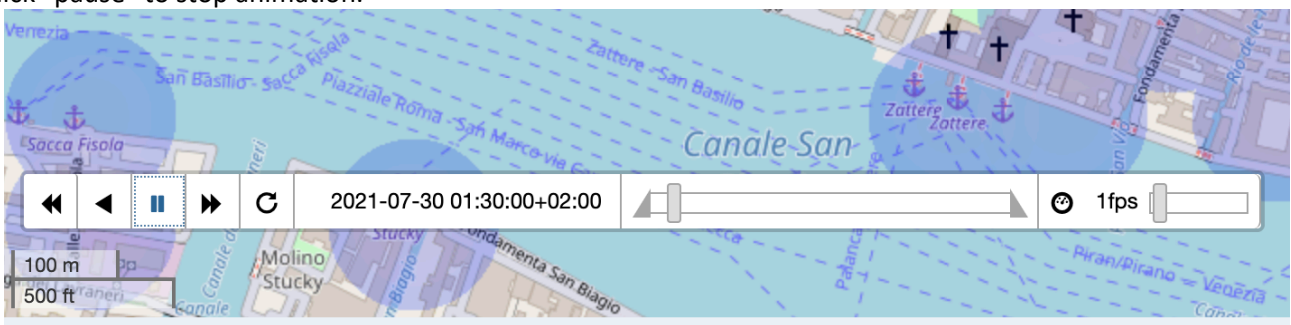
1. After clicking the “Select” button, map displays in data in different colour and opacity.



2. Click “play” icon to animate map.



Or click “pause” to stop animation.



You can speed up the animation using fps (frames per second) value (min 0.1 max 10).

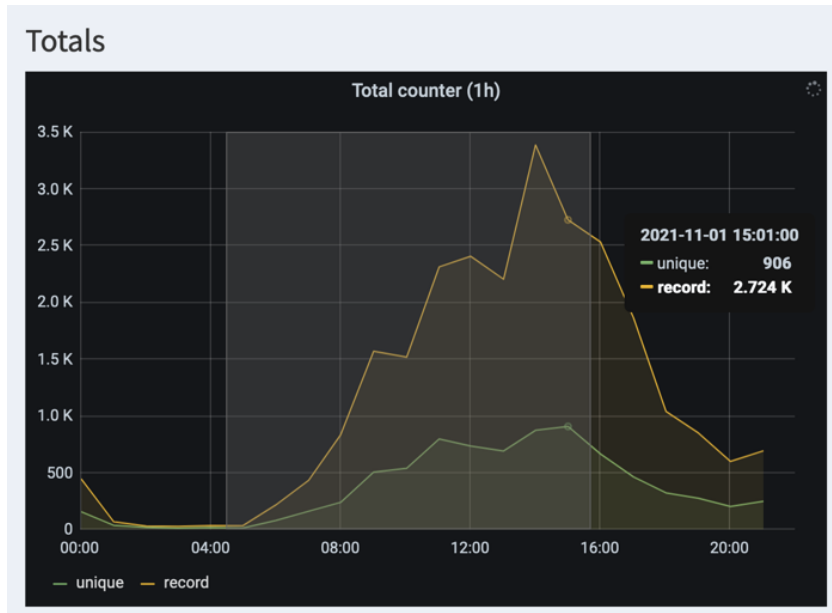
4.7 Mobility Live

How to use this interface:

1. Select a day and a range hour using calendar picker.

Day	From Hour	To Hour	SELECT
30/07/2021	00:00	23:00	

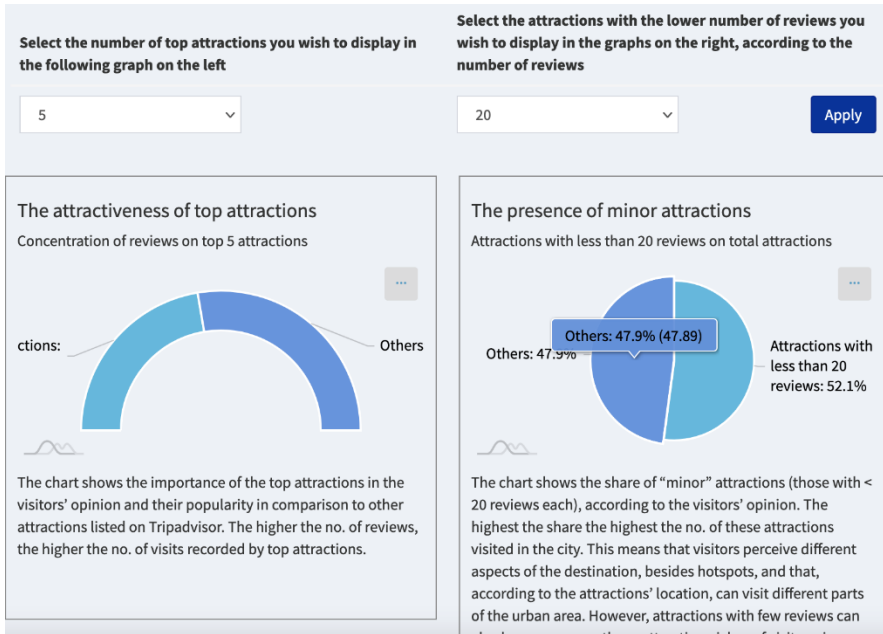
2. You can zoom in clicking on a specific point of the chart and then drag and drop for desired range.



4.8 "Vibrancy of the city" console

In this section, you can find data collected from TripAdvisor from May 2020 to March 2021.

1. Select the number of top attractions you wish to display in the following graph on the left and then click on "Apply".
2. Select the attractions with the lower number of reviews you wish to display in the graphs on the right, according to the number of reviews left and then click on "Apply".



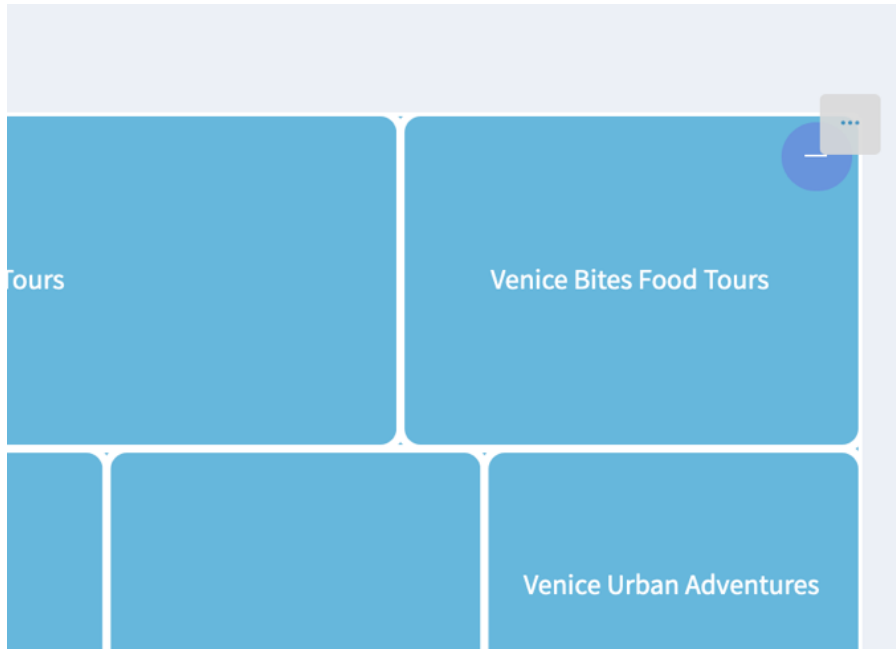
4.9 Drill-down Treemap

Treemaps are a great data visualization tool to represent data items as part of a whole. Items in a treemap are represented as rectangles proportionally to their value and fill up the entire chart area. This lets viewers perceive their relative size much better than with slices in a pie chart and it also lends itself to displaying more data items at once than you can reasonably fit in a pie chart. Especially when combined with interactivity features.

1. Try clicking on any of the tiles in the chart to go a level deeper. Click on "Other" to go multiple levels down.



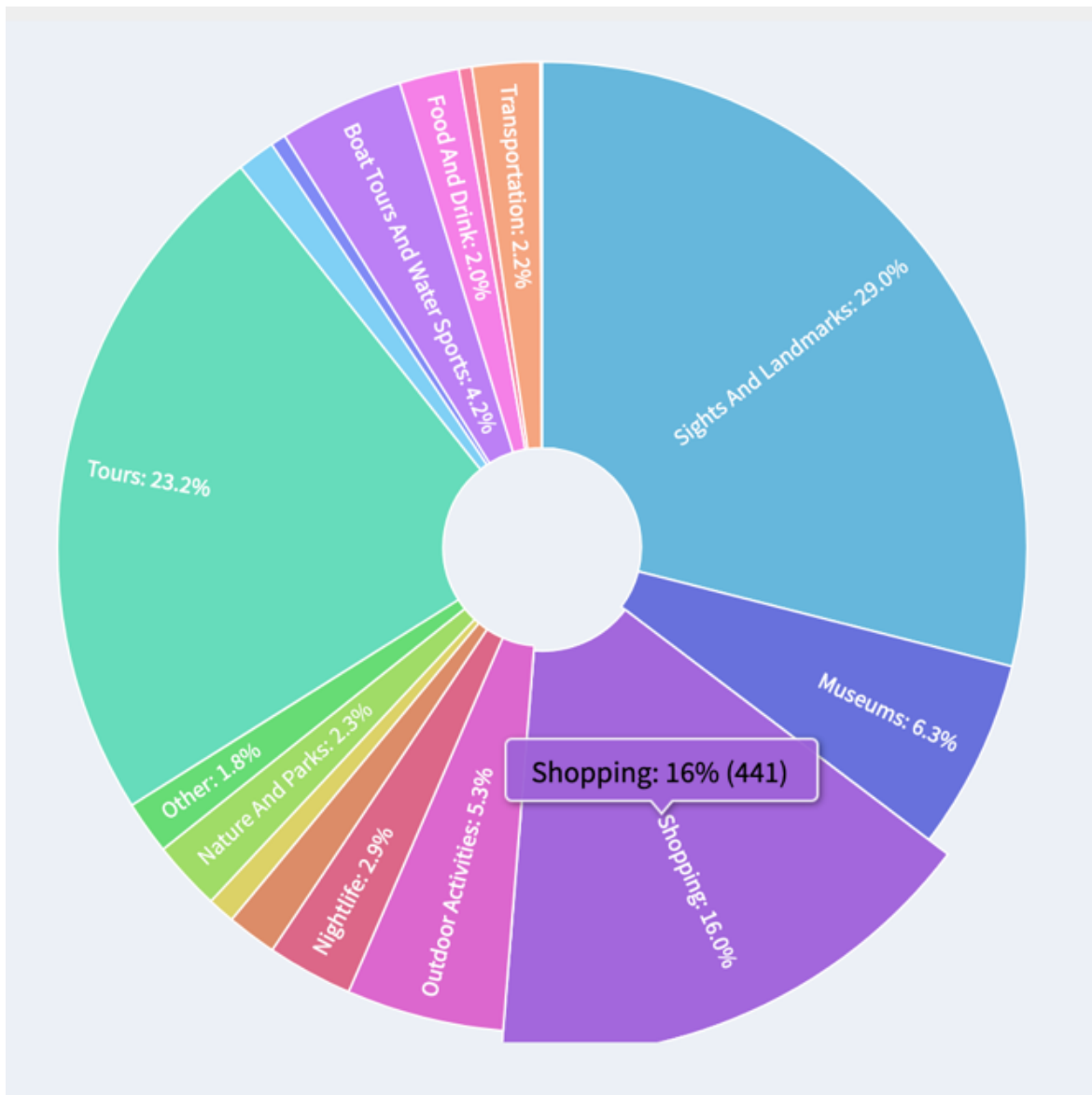
2. Use "minus" icon to zoom out



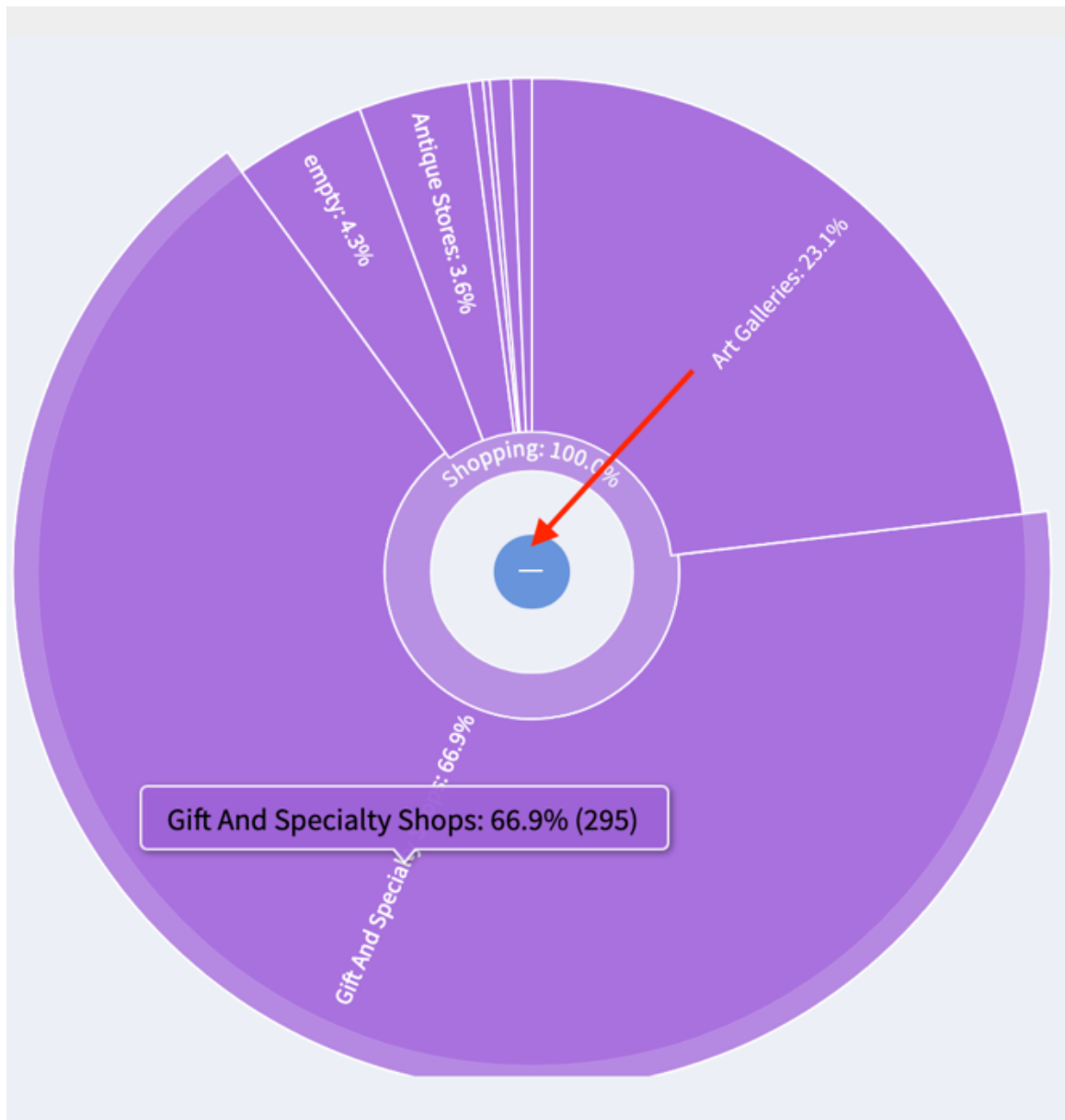
4.10 Sunburst Chart

Sunburst Chart or Diagram represents hierarchical relational data in a circular chart. It looks similar to nested donut charts; however, the hierarchical nature of the Sunburst means that each level represents the detailing of the previous one. In other words, children slice on each level comprise the whole of the parent slice.

1. Click on slice to get into more details.







2. Click on “minus” icon to come back previous slice.



Session 5: Contacts

For any additional information, please contact the Slides project partner in charge of the Dashboard for each destination:

	<p>Contact person: Chiara Franceschini E-mail: chiara.franceschini@siproferrara.com Ferrara-Italy</p>
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<p>CITTA' DI VENEZIA</p> 	<p>Contact person: Chiara Tenderini E-mail: chiara.tenderini@comune.venezia.it Venezia – Italy</p>
 <p>DURA Dubrovačka razvojna agencija Dubrovnik Development Agency</p>	<p>Contact person: Kristina N. Vujanović E-mail: kvujanovic@dura.hr Dubrovnik - Croatia</p>
 <p>Šibenik tourist board</p>	<p>Contact person: Dino Karađole E-mail: dino@sibenik-tourism.hr Šibenik - Croatia</p>