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TOURISMO

TOURism Innovative and Sustainable Management
of flows

InfoDay Workshop

Snap4city Training – Current status of TOURISMO Project on Snap4city platform
February 12, 2025



Current status of TOURISMO Project on Snap4city platform

- New Organizations (ORGs) in the platform are created for each pilot.
- ORGs (and the related Knowledge Base and Service Maps) allow to integrate data in each pilot location.
- Welcome Page and Main Dashboard are created for each pilot.



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Current status of TOURISMO Project on Snap4city platform

Snap4City

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www.snap4solutions.org

Dashboards (Public)

Extra Dashboard Widgets

Data Management, HLT

Knowledge and Maps

Processing Logics / IOT App

Entity Directory and Devices

Resource Manager

Development Tools

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Decision Support Systems

Deploy and Installation

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Km4City portal


DISIT Lab portal

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Persistent challenges, like overtourism, continue to affect destinations and communities across the Mediterranean region; TOURISMO aims at addressing these challenges by using innovative technologies that offer new solutions and novel services to monitor and manage tourist flows. Better flows handling will be implemented through the development of a monitoring and decision-making support management structure and testing in 8 MED pilot sites (Valencia, Florence, Varna, Rhodes, Blisevo, Limassol, Malta, etc.). The approach is based on utilizing data from various datasets and on-site technologies (i.e. thermal cameras, pax counters, drones, tags) relevant to tourists' presence, density, trajectories and behaviors.

Development Agency of South Aegean Region - READ S.A. - University of Florence - Foundation for Research and Innovation - Valenciaport Foundation for research, promotion and commercial studies of the Valencian Region - Development Agency of Lemesos LTD - Varna Economic Development Agency - Public Institution RERA S.D for Coordination and Development of Split Dalmatia County - Malta Regional Development and Dialogue Foundation - KINNO Innovation Intermediaries LTD - Santa Maria la Real Foundation of Historical Heritage

Project kind: Interreg Euro-MED, cofounded by the European Union

Reference platform: Snap4City:

web site: <https://tourismo.interreg-euro-med.eu>

<https://www.facebook.com/profile.php?id=61557381137979>

<https://www.linkedin.com/company/tourismoproject/>

Pages of Cities:

- Welcome to Varna (TOURISMO)
- Welcome to Valencia (TOURISMO)
- Welcome to Florence (TOURISMO)
- Welcome to Malta (TOURISMO)
- Welcome to Blisevo (TOURISMO)
- Welcome to Limassol (TOURISMO)
- Welcome to Rodhes (TOURISMO)

TOURISMO
Webpage on
Snap4city
Platform



Links to Welcome pages of the Pilots



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Varna – Welcome Page (descriptive)


Snap4City


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
LOGIN 


 www.snap4solutions.org


 Dashboards (Public)


 Extra Dashboard Widgets ▾


 Data Management, HLT ▾


 Knowledge and Maps ▾


 Processing Logics / IOT App ▾


 Entity Directory and Devices ▾


 Resource Manager ▾


 Development Tools ▾


 Management ▾


 Decision Support Systems ▾

 Deploy and Installation ▾

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 Documentation and Articles ▾

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Home / Welcome to Varna (TOURISMO)


Welcome to Varna (TOURISMO)

Welcome to the **Varna** on Snap4City.

Varna, Bulgaria's maritime capital, is located on the Black Sea coast and is renowned for its rich cultural heritage and vibrant summer tourism. Key attractions include the Varna Sea Garden, Roman Baths, and the Archaeological Museum, which houses the world's oldest processed gold treasure. The area also features a wealth of historic churches, and vibrant festivals that highlight local crafts, books, and other cultural activities. Restaurants, cafés, and markets add to the lively atmosphere, although they can contribute to congestion, especially when combined with the large crowds attending public events at nearby venues like the Festival Complex.


The city faces challenges related to the impact of high tourist volumes on its historical sites and urban environment, and aims to monitor and manage tourism flows, developing strategies to balance the city's dynamic tourism industry with the preservation of its cultural and historical assets.


The following dashboards are available.




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Dashboard

Links

TOURISMO

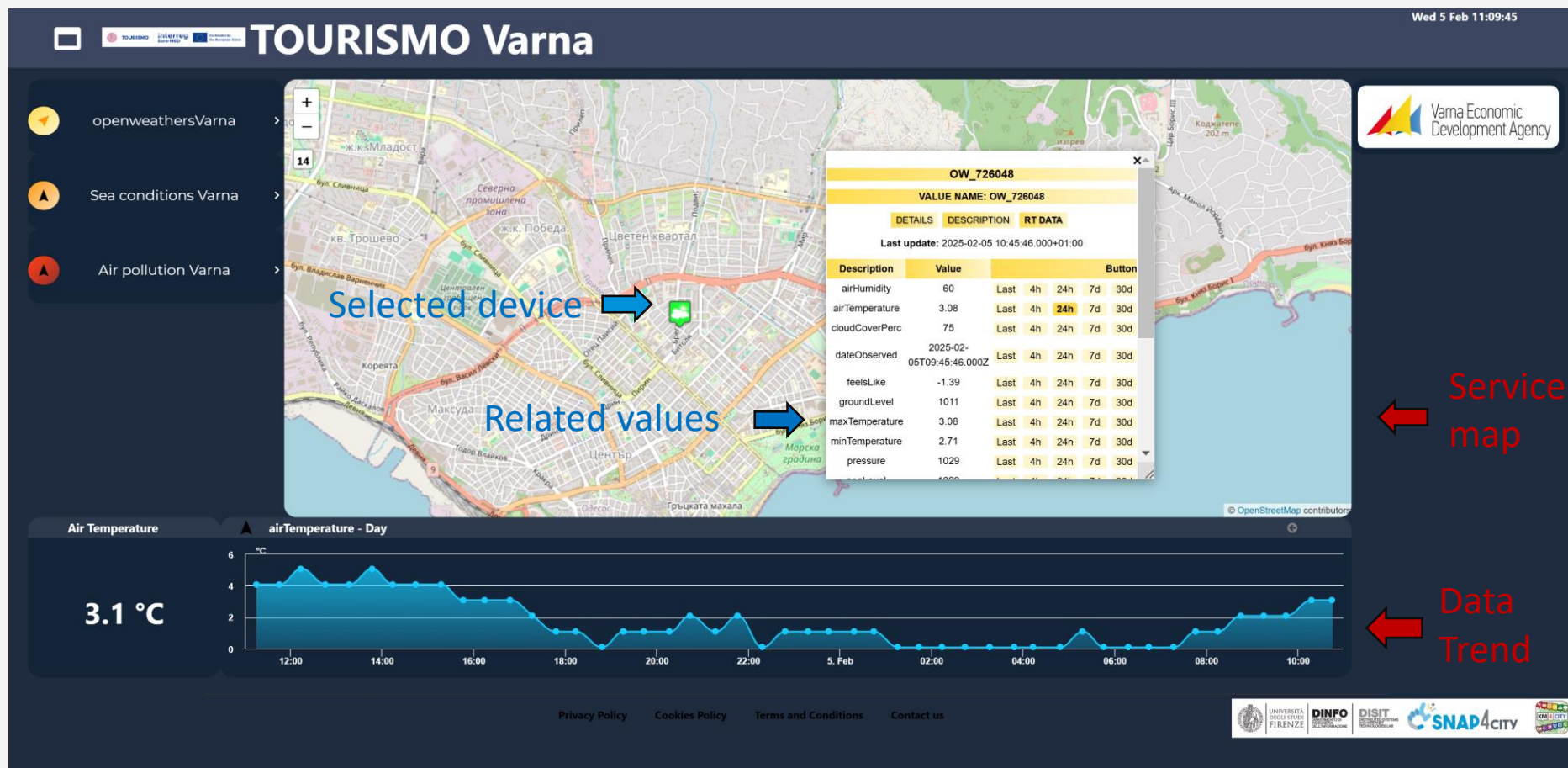
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Varna – Dashboard (descriptive)

Devices
selector



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Valencia – Welcome page

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Welcome to Valencia (TOURISMO)

Welcome to the **Valencia** on Snap4City.



FORMER WELCOME PAGE AVAILABLE HERE

The **Port of Valencia**, strategically positioned as a gateway to the Mediterranean, is one of the busiest container ports in Europe. Its geographical location at the crossroads of major European trade routes not only facilitates significant commercial traffic but also positions it as a pivotal point for tourist flows, particularly from cruise ships. The port is continuously developing its infrastructure to enhance operational efficiency and visitor experiences, incorporating cutting-edge technologies to manage both commercial and tourist activities sustainably.

Valencia, a vibrant city on Spain's Mediterranean coast, is known for its rich history, diverse architecture, and lively cultural scene. The city's historic centre features notable landmarks such as La Lonja, a UNESCO World Heritage site, and the Valencia Cathedral. Valencia is also famous for its City of Arts and Sciences, a cultural and architectural complex that has become a symbol of the city.

One of the main challenges in Valencia is managing the high tourist numbers that it receives nowadays, which result in significant congestion in its historic centre, known as La Ciutat Vella (Old City). It is crucial to ensure that this high demand for tourism does not negatively impact the preservation of its historical assets, by implementing sustainable tourism practices and improving the management of tourism flows to protect and enhance Valencia's cultural heritage while providing an excellent experience for visitors.

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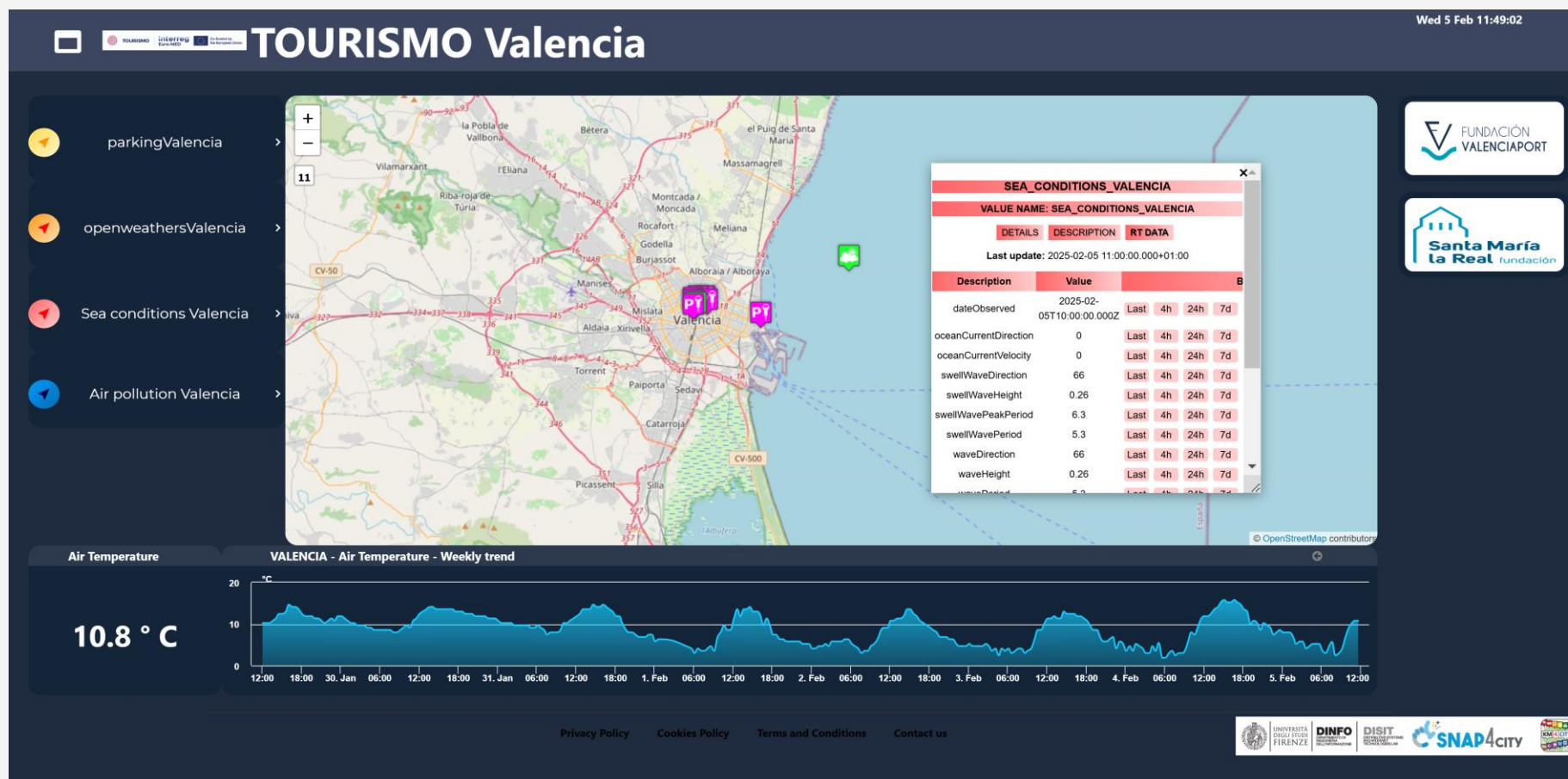


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Valencia Dashboard



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Florence – Welcome page

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Welcome to Florence (TOURISMO)

Welcome to the **Florence** on Snap4City.



[FORMER WELCOME PAGE AVAILABLE HERE](#)

Set in the heart of Tuscany, **Florence** is renowned worldwide as the cradle of the Renaissance and the global capital of 15th-century art. Its city centre, spanning approximately 5 km², has been a **UNESCO World Heritage site since 1982** and houses some of the most famous museums in Europe and the world. The main characteristic of this pilot area is the high density of cultural heritage sites, which, coupled with the significant tourist influx, results in a substantial tourism impact throughout much of the year. The City of Florence is facing challenges to enhance its resilience through more sustainable tourism practices and needs to continue expanding the use of data for more detailed and comprehensive tourism-related analyses, ensuring that Florence remains a vibrant and sustainable destination that benefits both residents and visitors alike.

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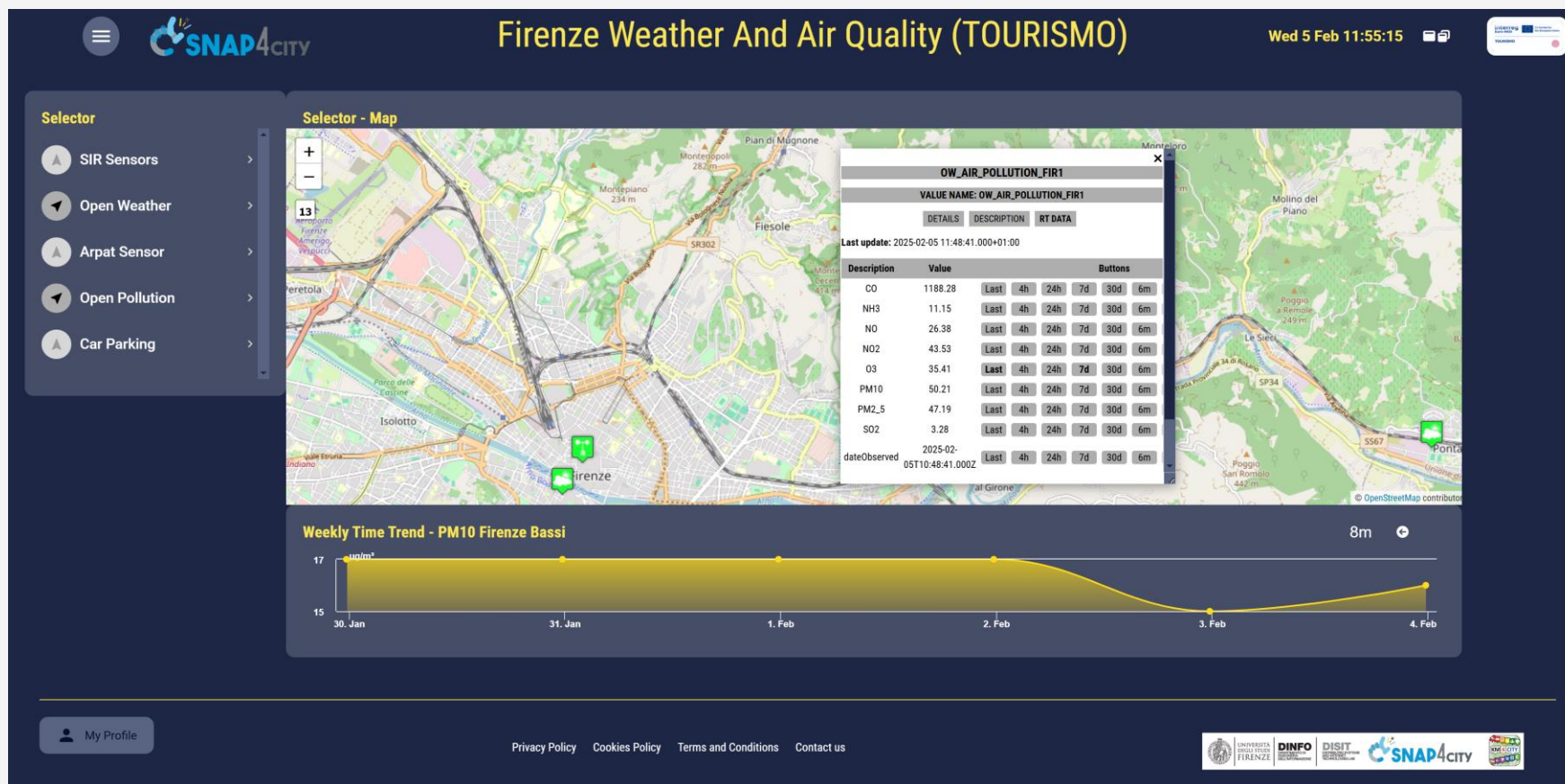
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Florence - Dashboard



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Malta – Welcome page

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Welcome to Malta (TOURISMO)

Welcome to the **Malta** on Snap4City.

The Golden Bay, located on the northwest coast of **Malta** within the **Mellieħa and Mgarr localities**, is renowned for its stunning natural landscapes and rich biodiversity. This area, known as Rdumijiet ta' Malta: Ramla tal-Mixquqa, spans approximately 33 hectares and includes diverse environments such as clay slopes, beaches, karstland, boulder scree, and agricultural land. Protected under the Natura 2000 management plans since 2017, Golden Bay aims to conserve its unique ecological characteristics.


The area's natural features make it a popular destination, particularly during the summer months when tourists flock to its sandy beaches, such as the picturesque Ramla tal-Mixquqa and the adjacent Ramla ta' Ghajn Tuffieħa. Despite its popularity, Golden Bay faces challenges such as seasonality, overcapacity tourism streams, excessive construction, waste generation, resource depletion, desertification, erosion, and biodiversity loss.

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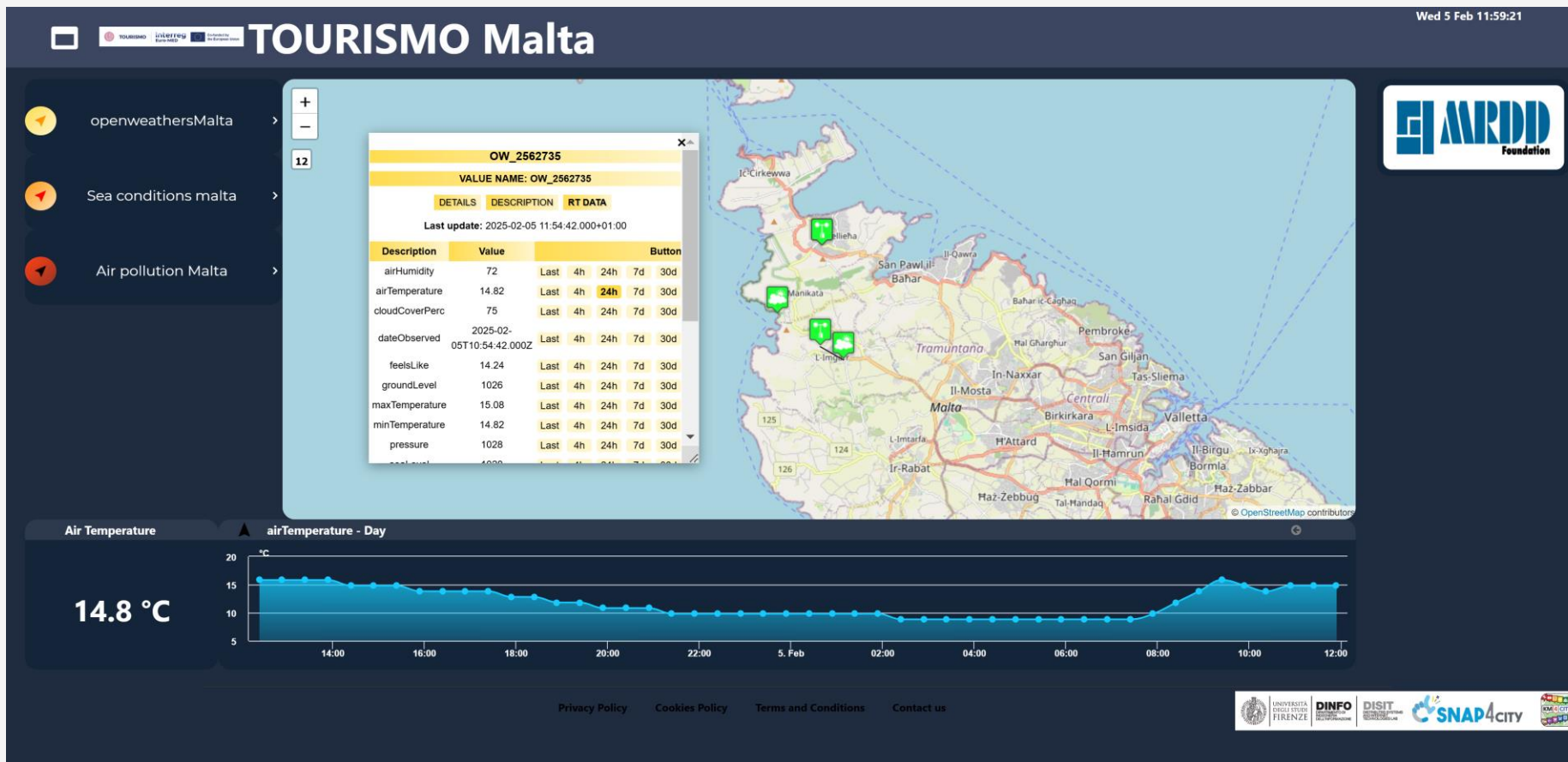


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Malta - Dashboard



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Bisevo – Welcome page

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Home / Welcome to Bisevo (TOURISMO)


Welcome to Bisevo (TOURISMO)

Welcome to the **Bisevo** on Snap4City.

Biševo Island, located off the coast of Croatia, is renowned for its stunning natural beauty and the famous Blue Cave, a mesmerizing sea cave illuminated by vibrant blue light. Beyond this iconic attraction, Biševo offers visitors the Biševo Geotrail, which spans 19 km and provides an in-depth exploration of the island's diverse geological formations, flora, and fauna. The island's picturesque beaches, such as Porat and Salbunara, and the historical coastal artillery battery at Cape Gatula provide a unique experience for tourists.

While the island attracts numerous visitors, the challenge lies in managing tourist flows to prevent overcrowding at the Blue Cave and to ensure that visitors can make the most of their time on the island by exploring its other attractions.

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Bisevo - Dashboard



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



Limassol – Welcome page


Snap4City


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
LOGIN 


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 Dashboards (Public)


 Extra Dashboard Widgets ▾


 Data Management, HLT ▾


 Knowledge and Maps ▾


 Processing Logics / IOT App ▾


 Entity Directory and Devices ▾


 Resource Manager ▾


 Development Tools ▾


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Welcome to Limassol (TOURISMO)

Welcome to the **Limassol** on Snap4City.


Limassol Port, situated on the south coast of Cyprus, is one of the largest ports on the island and is strategically located near major tourist attractions, making it a primary entry point for visitors arriving by sea. Its proximity to the city centre, which has evolved into a cosmopolitan tourist hub while maintaining its traditional charm, adds to its appeal. The Limassol port area, including the Old Port, Limassol Marina, and the surrounding commercial and cultural zones, experiences high traffic, especially during the peak tourist season. The recent upgrades, including the expansion of pedestrian pathways and the addition of recreational and commercial facilities, have transformed the port into a lively part of the city. However, the influx of tourists can cause congestion and strain on local infrastructure.


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Limassol - Dashboard



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Rhodes- Welcome page

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Home / Welcome to Rodhes (TOURISMO)

Welcome to Rodhes (TOURISMO)

Welcome to the **Rodhes** on Snap4City.

The **Medieval Town of Rhodes**, included in the **List of World Heritage Towns by UNESCO**, is the most significant attraction in Rhodes, drawing visitors globally. Characterized by its labyrinthine streets, the town features a rich tapestry of historical architecture, including small houses, grand knightley buildings from the 15th and 16th centuries, and numerous medieval churches interspersed with several mosques, adding an oriental flair to its skyline. Notable landmarks include the **Palace of the Grand Master of the Order**, known as the "Castello," which now houses the Museum of Rhodes with its extensive exhibits.

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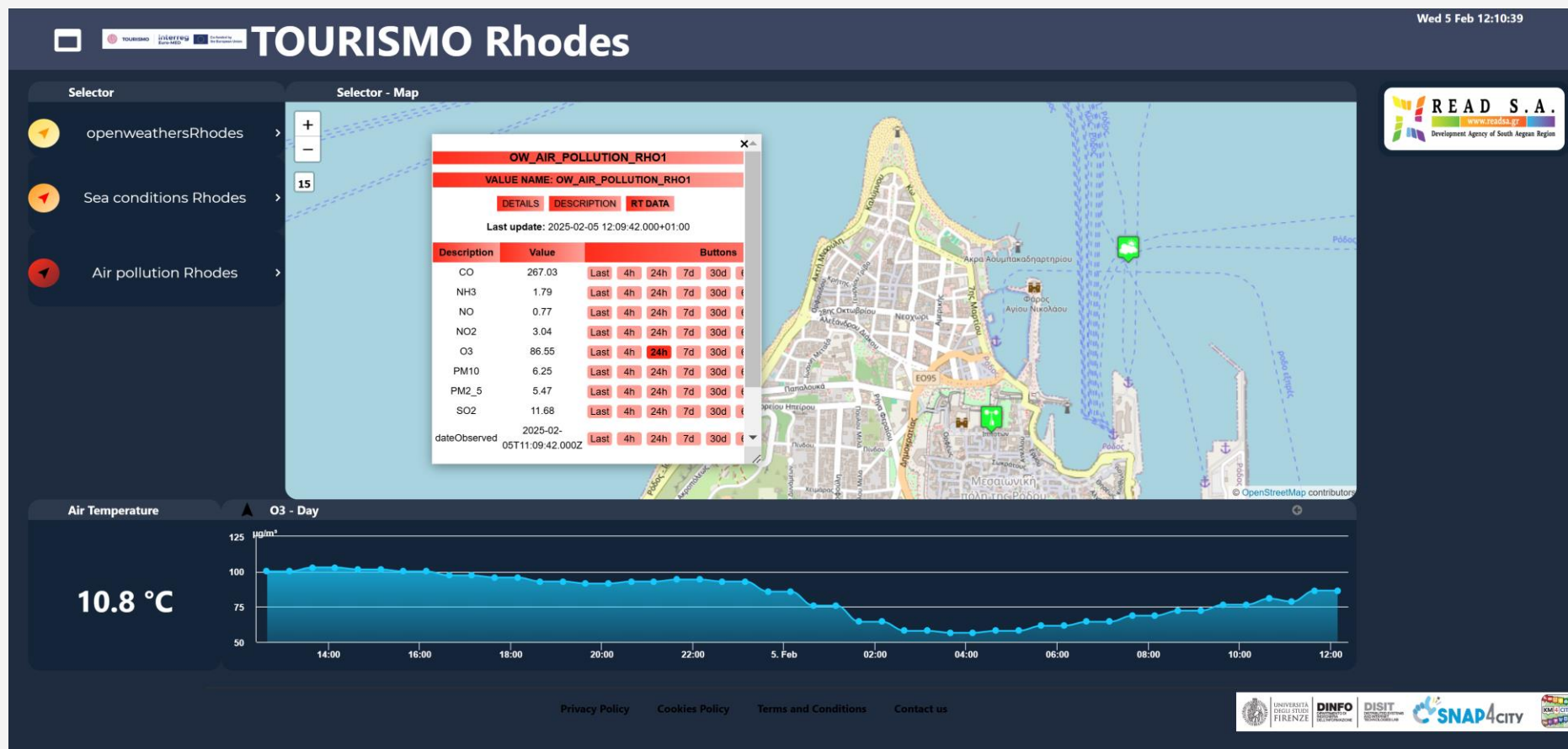


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Rhodes - Dashboard



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Common data integration on TOURISMO Pilots

- In each pilot, Main Dashboard includes **Open Weather data**, **Open Pollution data** and **Open Sea Condition data** for each pilot.

Data Source	Data Source Main Address	Periodicity for Data ingestion	Variables
Open Weather	https://openweathermap.org/api	30 mins	<ul style="list-style-type: none">• airHumidity• airTemperature• cloudCoverPerc• feelsLike• groundLevel• maxTemperature• minTemperature• pressure• seaLevel• sunrise• sunset• visibility• windDirection• windSpeed



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Data Source	Data Source Main Address	Periodicity for Data ingestion	Variables
Sea Conditions	https://open-meteo.com/	60 mins	<ul style="list-style-type: none">• oceanCurrentDirection• oceanCurrentVelocity• swellWaveDirection• swellWaveHeight• swellWavePeakPeriod• swellWavePeriod• waveDirection• waveHeight• wavePeriod• windWaveDirection• windWaveHeight• windWavePeakPeriod• windWavePeriod



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Common data integration on TOURISMO Pilots

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Data Source	Data Source Main Address	Periodicity for Data ingestion	Variables
Open Pollution	https://openweathermap.org/api/air-pollution	30 mins	<ul style="list-style-type: none">• CO• NO• NO2• NH3• O3• SO2• PM2.5• PM10



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Making the **Mediterranean** **Green Transition** happen

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