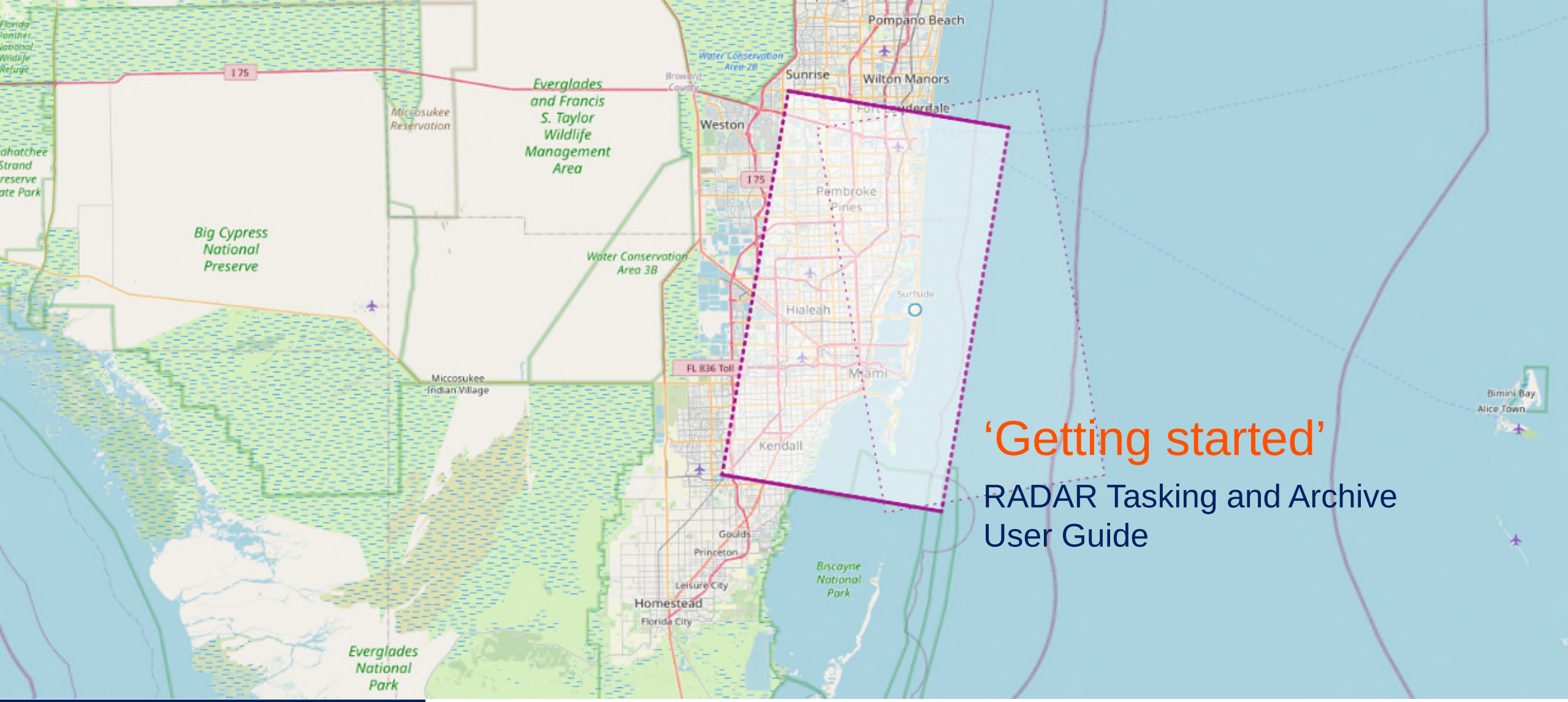


‘Getting started’

RADAR Tasking and Archive User Guide

DEFENCE AND SPACE

Version 01.00 – May 2022

AIRBUS

RADAR Tasking and Archive

Introduction

With the integration of the **RADAR Tasking and Archive** services (RADAR Portal) **into our OneAtlas** capabilities, Airbus is providing online **access to radar tasking and archive**.

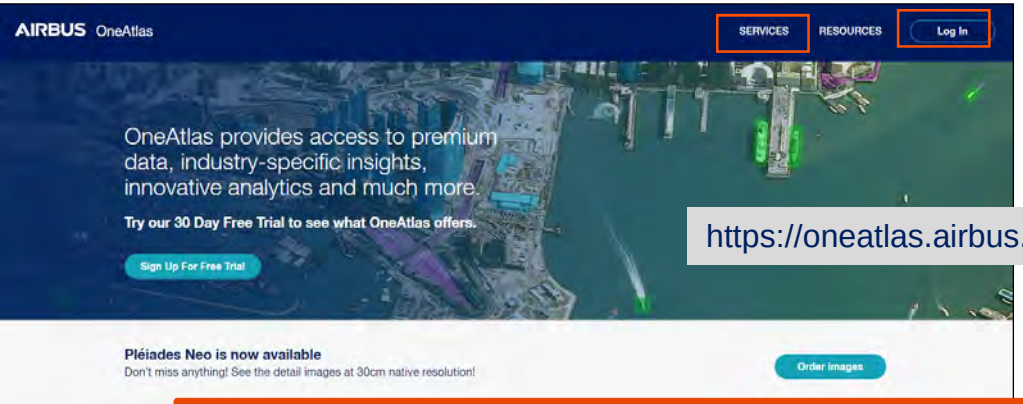
The RADAR Tasking and Archive services are managed by an easy-to-use online interface that allows users **24/7 access** to directly **task the radar satellites** to acquire new radar data and/or access the comprehensive 15-year **radar archive**.

Airbus' Radar Constellation sensors offer 6 acquisition modes that range from 25cm to 40m in resolution with image swaths up to 270km.
Radar satellites provide weather and daylight-independent data collections that can be used to support image intelligence over sensitive areas, maritime surveillance, object and change detection, mapping, subsidence monitoring, and much more.

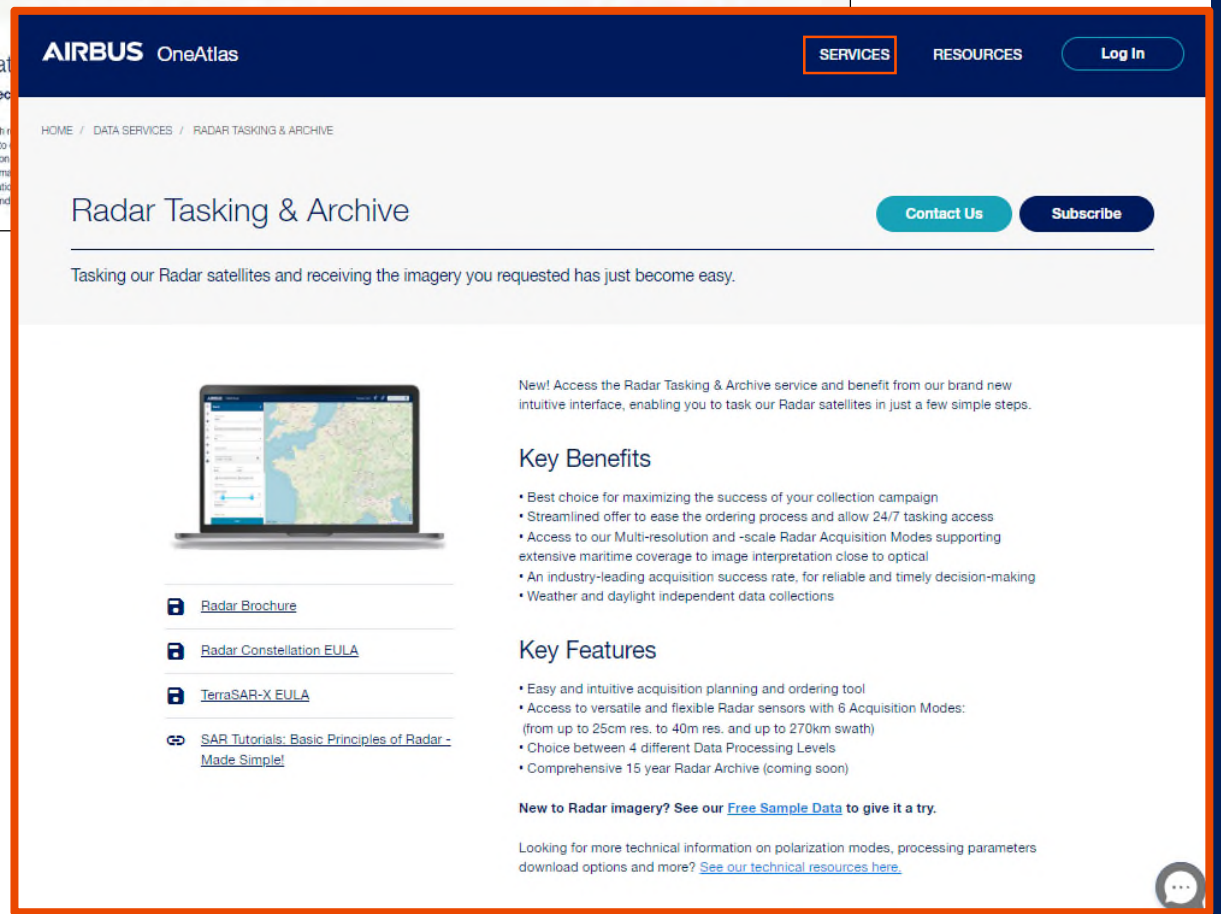
For related technical and supporting documents, please see the link included in the last page of this document.

Radar Tasking and Archive

Integration into OneAtlas



https://oneatlas.airbus.com/home



RADAR Tasking and Archive

Self-ordering/tasking tool for Radar customers

Access via Airbus OneAtlas platform - Services

Easy Radar data Tasking/ordering:
- Future Acquisitions
- Archive data
- 24/7 access for self-ordering customers

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AIRBUS OneAtlas

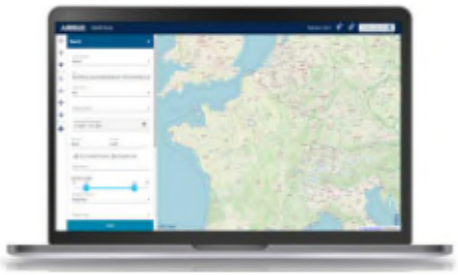
SERVICES RESOURCES Log In

HOME / DATA SERVICES / RADAR TASKING & ARCHIVE

Radar Tasking & Archive

Contact Us Subscribe

Tasking our Radar satellites and receiving the imagery you requested has just become easy.



- Radar Brochure
- Radar Constellation EULA
- TerraSAR-X EULA
- SAR Tutorials: Basic Principles of Radar - Made Simple!

New! Access the Radar Tasking & Archive service and benefit from our brand new intuitive interface, enabling you to task our Radar satellites in just a few simple steps.

Key Benefits

- Best choice for maximizing the success of your collection campaign
- Streamlined offer to ease the ordering process and allow 24/7 tasking access
- Access to our Multi-resolution and -scale Radar Acquisition Modes supporting extensive maritime coverage to image interpretation close to optical
- An industry-leading acquisition success rate, for reliable and timely decision-making
- Weather and daylight independent data collections

Key Features

- Easy and intuitive acquisition planning and ordering tool
- Access to versatile and flexible Radar sensors with 6 Acquisition Modes: (from up to 25cm res. to 40m res. and up to 270km swath)
- Choice between 4 different Data Processing Levels
- Comprehensive 15 year Radar Archive (coming soon)

New to Radar imagery? See our Free Sample Data to give it a try.

Looking for more technical information on polarization modes, processing parameters download options and more? See our technical resources here.

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RADAR Tasking and Archive

One Atlas

Service Page

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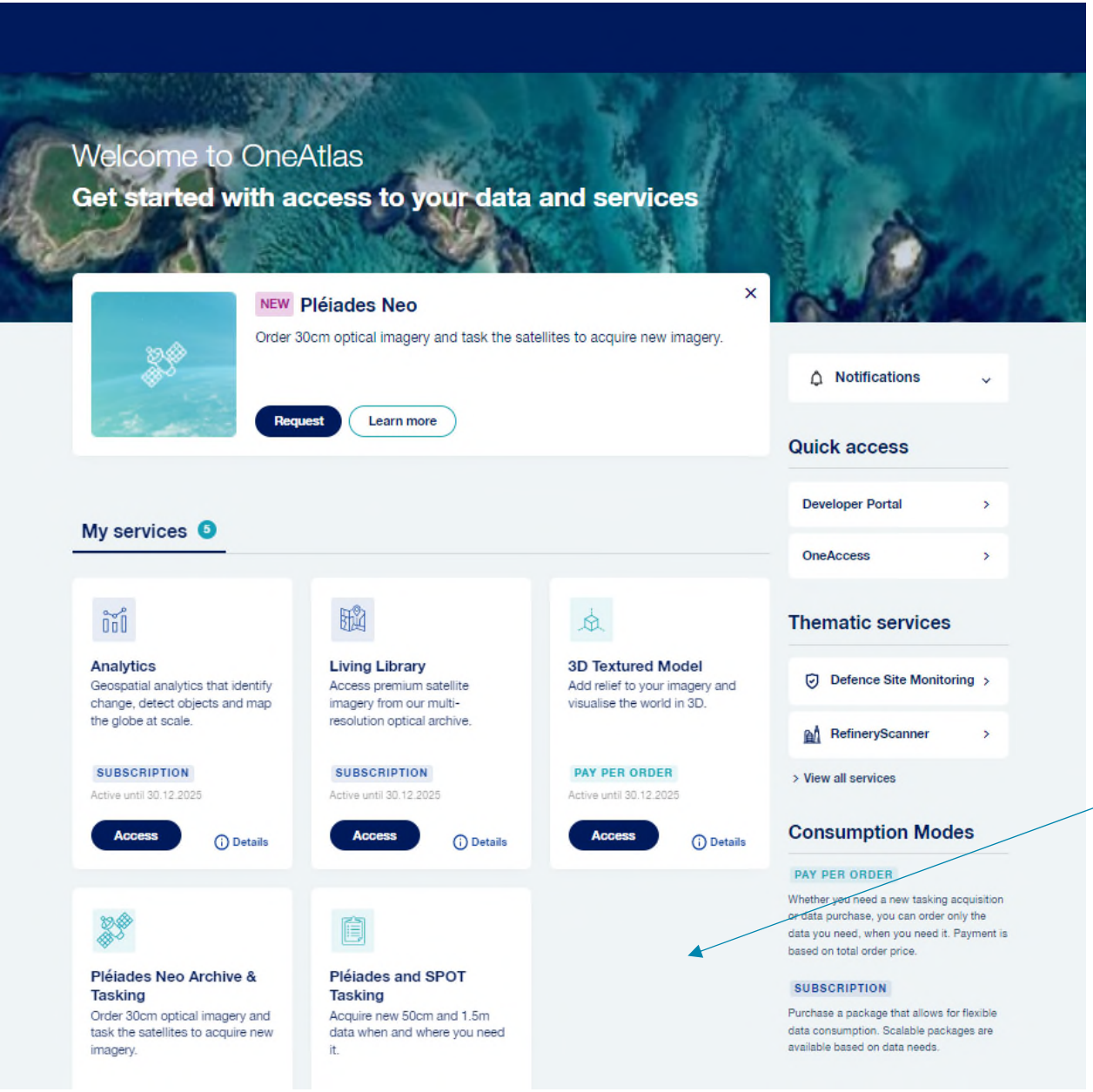

Service Icon:	
Service Name:	**Radar Tasking & Archive**
Description	Task new collections or select from the archive and access weather-independent data.
Consumption Mode	Pay per order

RADAR Tasking and Archive

One Atlas

‘My Services’ / Service Card

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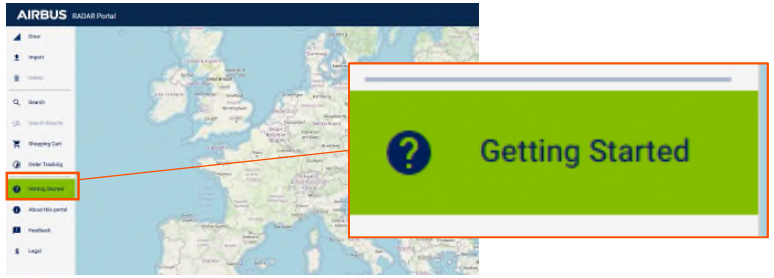
‘Getting started’

The following slides shall serve as a **guideline for our RADAR Tasking and Archive** (RADAR Portal) **users, explaining the basic Tasking/Ordering procedure**.

Please also see our **Tasking/Ordering Video Tutorial**, explaining the simple order procedure (*for a Link – please see ‘Additional Information’ slide at the end of this document*).

Please note that an **additional ‘text only’** user guide is also embedded in the RADAR Portal. It is available by clicking the ‘**Getting started**’ button in the navigation bar.



RADAR Tasking and Archive

‘Getting started’

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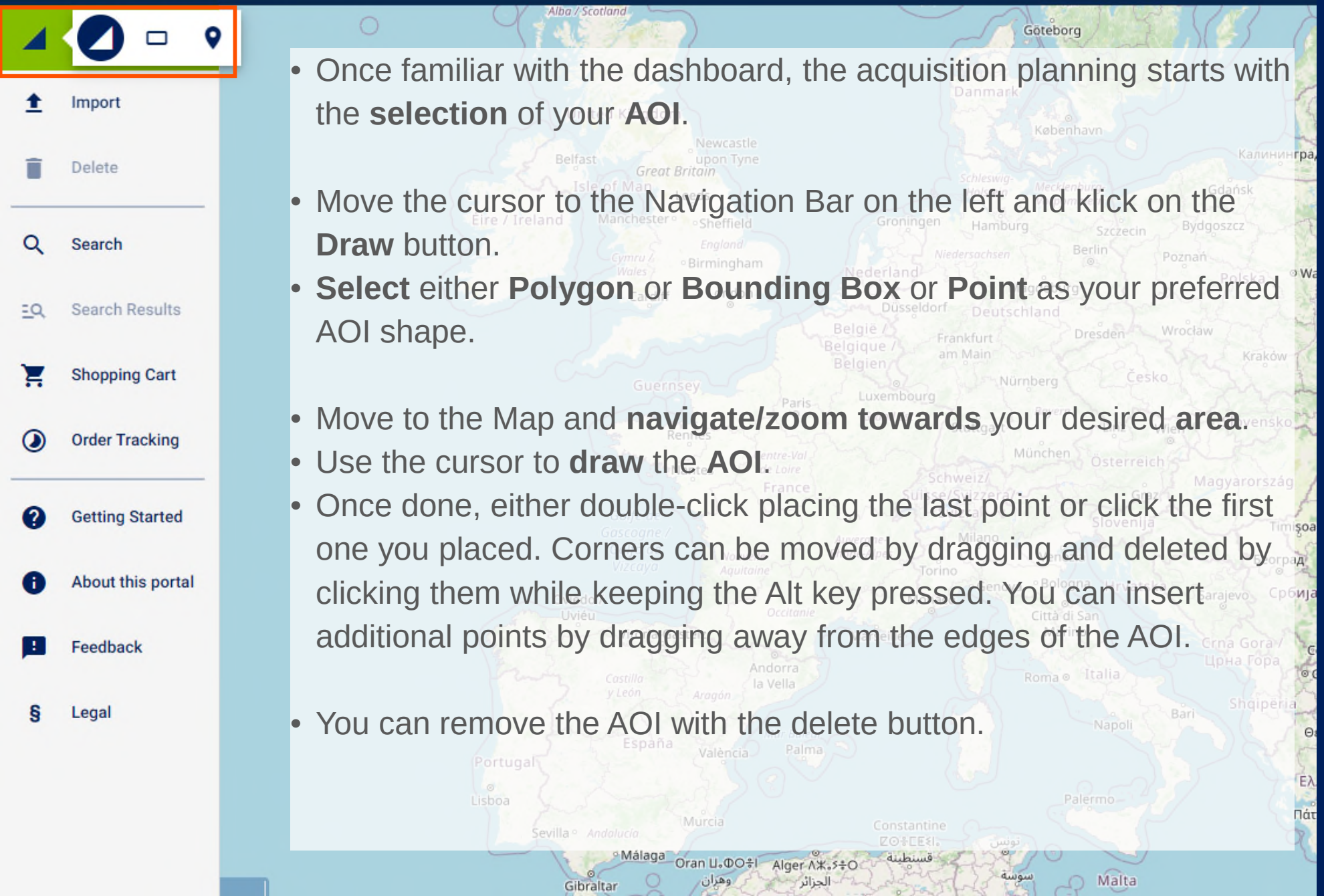
RADAR Tasking and Archive

Dashboard,

Map View

- After successful Login to the RADAR Portal, the **Dashboard** and **Map View** appears.
- Use the mouse-cursor to explore the **Navigation Bar** on the **left side** of the page.
- The **Navigation Bar** to the **left** will be your main menu for the acquisition planning and ordering process.



- Once familiar with the dashboard, the acquisition planning starts with the **selection** of your **AOI**.
- Move the cursor to the Navigation Bar on the left and klick on the **Draw** button.
- **Select** either **Polygon** or **Bounding Box** or **Point** as your preferred AOI shape.
- Move to the Map and **navigate/zoom towards** your desired **area**.
- Use the cursor to **draw** the **AOI**.
- Once done, either double-click placing the last point or click the first one you placed. Corners can be moved by dragging and deleted by clicking them while keeping the Alt key pressed. You can insert additional points by dragging away from the edges of the AOI.
- You can remove the AOI with the delete button.

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Draw an AOI

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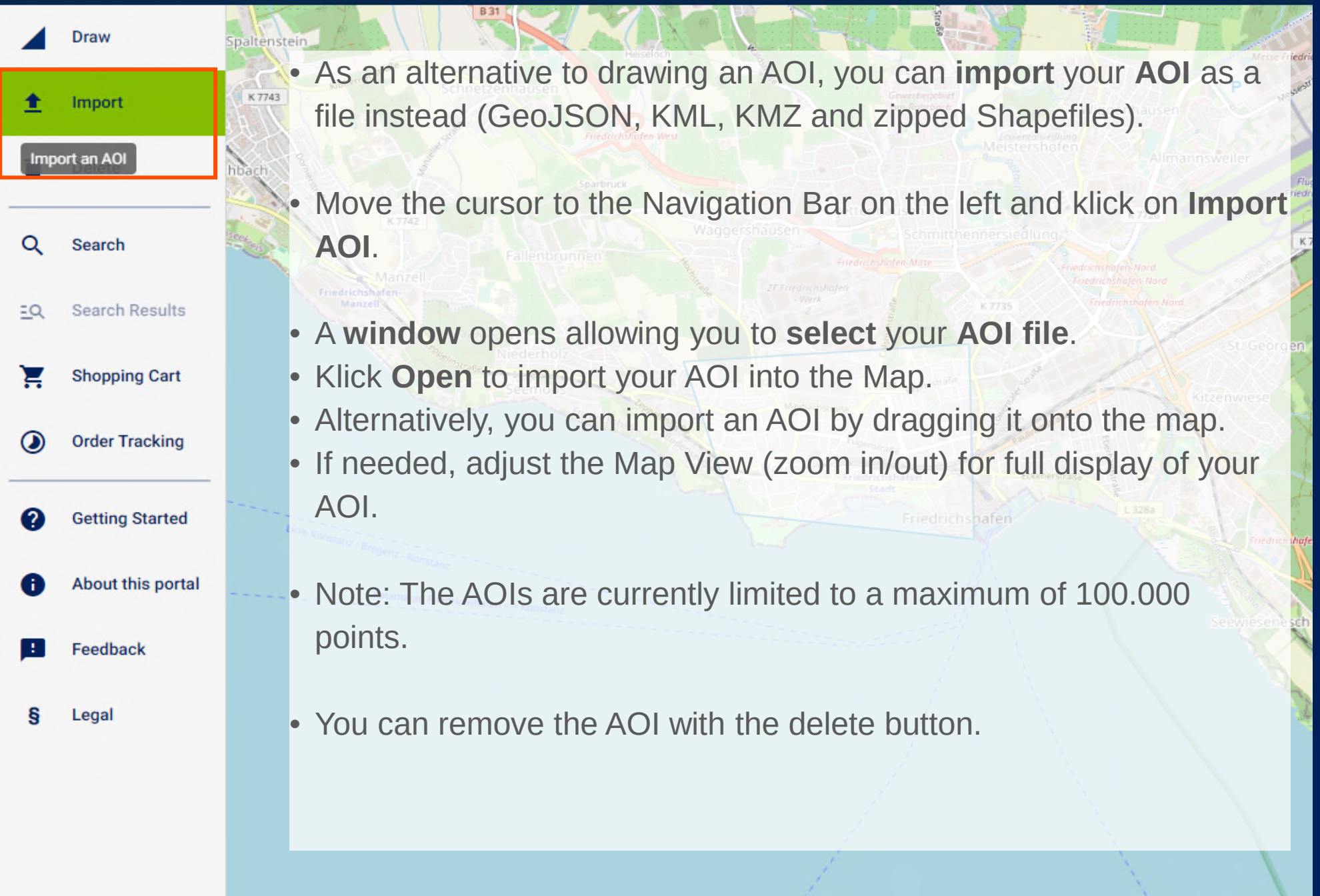

- As an alternative to drawing an AOI, you can **import** your **AOI** as a file instead (GeoJSON, KML, KMZ and zipped Shapefiles).
- Move the cursor to the Navigation Bar on the left and klick on **Import AOI**.
- A **window** opens allowing you to **select** your **AOI file**.
- Klick **Open** to import your AOI into the Map.
- Alternatively, you can import an AOI by dragging it onto the map.
- If needed, adjust the Map View (zoom in/out) for full display of your AOI.
- Note: The AOIs are currently limited to a maximum of 100.000 points.
- You can remove the AOI with the delete button.

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Alternative:

Import an AOI

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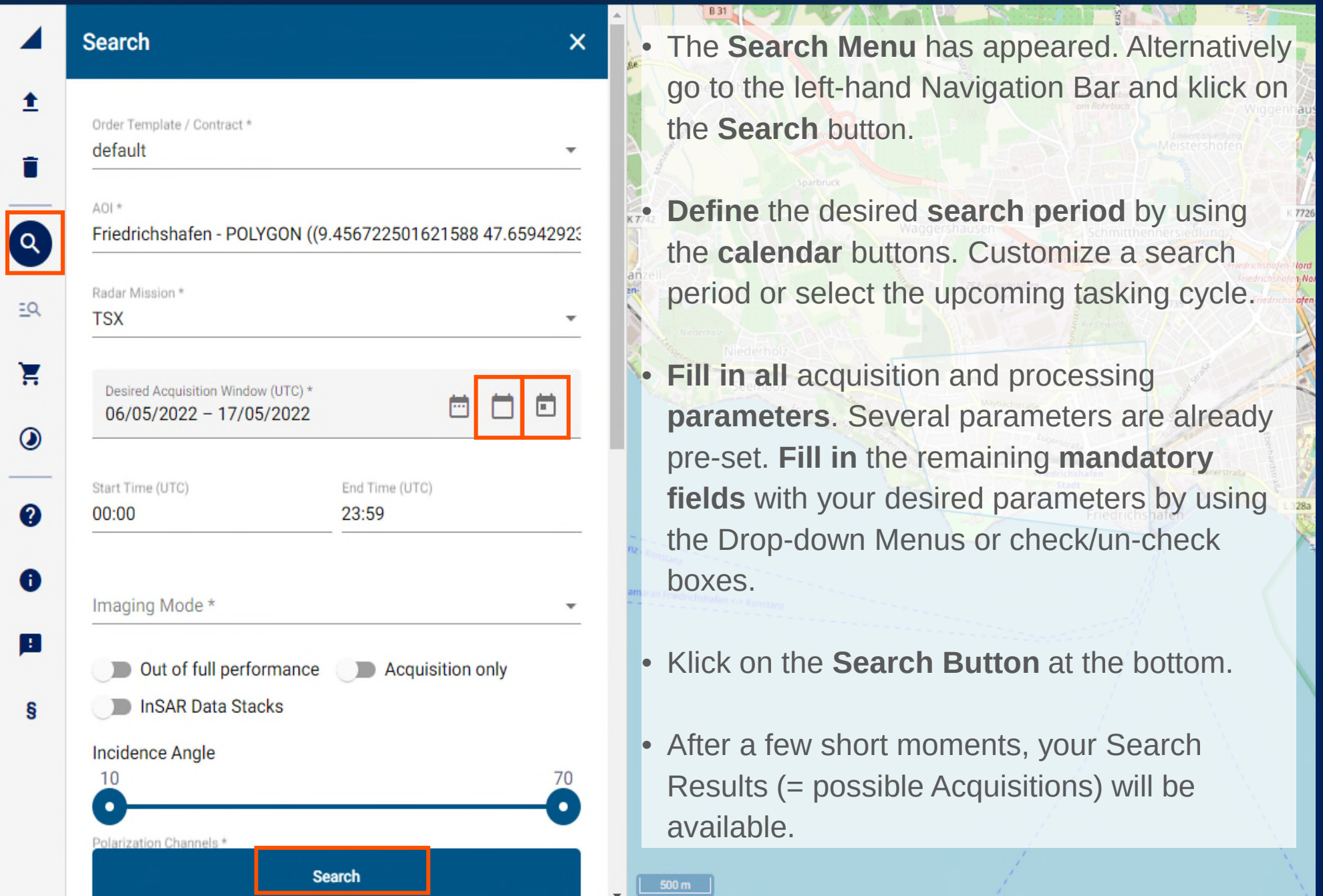

- The **Search Menu** has appeared. Alternatively go to the left-hand Navigation Bar and klick on the **Search** button.
- **Define** the desired **search period** by using the **calendar** buttons. Customize a search period or select the upcoming tasking cycle.
- **Fill in all** acquisition and processing **parameters**. Several parameters are already pre-set. **Fill in** the remaining **mandatory fields** with your desired parameters by using the Drop-down Menus or check/un-check boxes.
- Klick on the **Search Button** at the bottom.
- After a few short moments, your Search Results (= possible Acquisitions) will be available.

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Search for new Acquisitions

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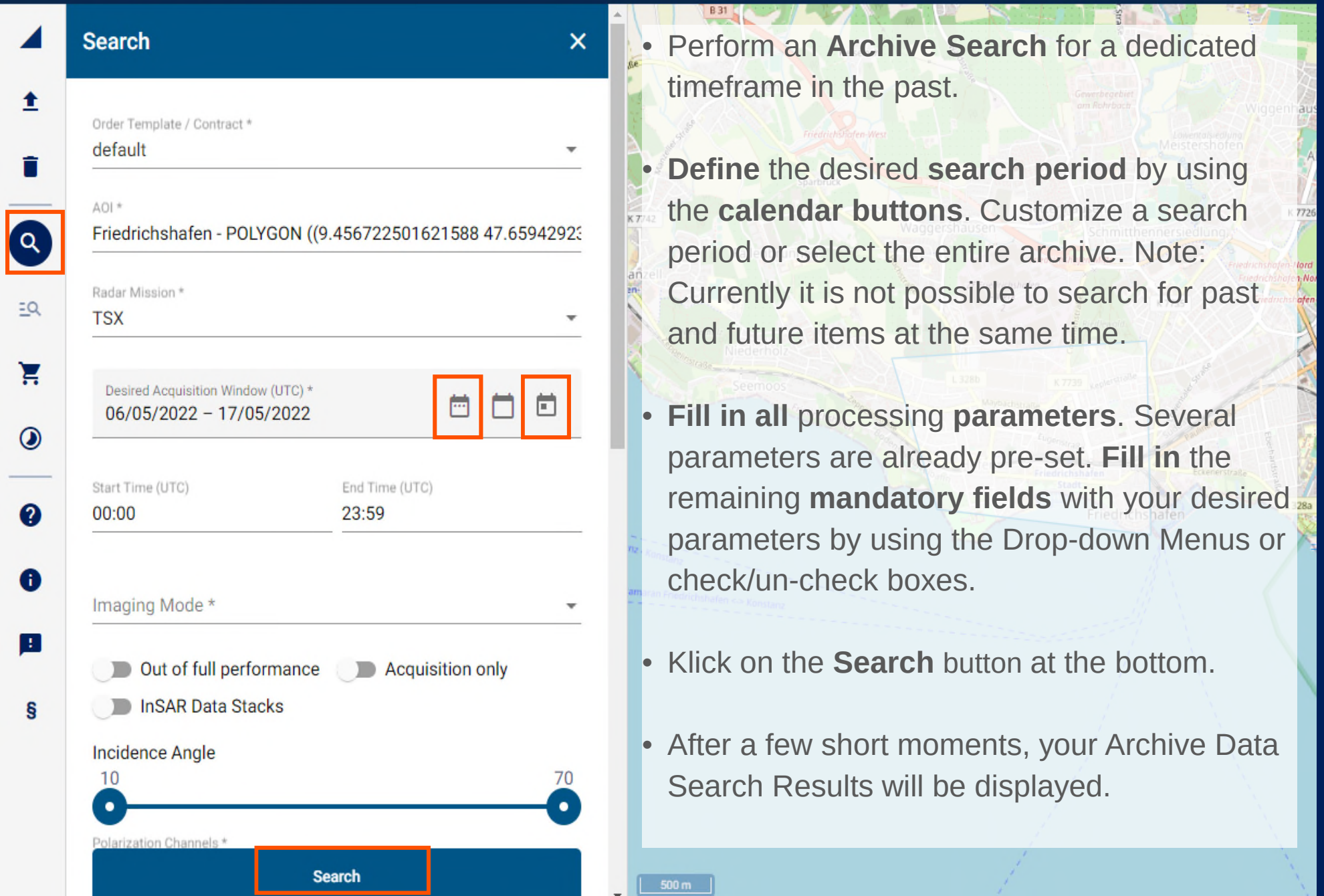

- Perform an **Archive Search** for a dedicated timeframe in the past.
- **Define** the desired **search period** by using the **calendar buttons**. Customize a search period or select the entire archive. Note: Currently it is not possible to search for past and future items at the same time.
- **Fill in all** processing **parameters**. Several parameters are already pre-set. **Fill in** the remaining **mandatory fields** with your desired parameters by using the Drop-down Menus or check/un-check boxes.
- Klick on the **Search** button at the bottom.
- After a few short moments, your Archive Data Search Results will be displayed.

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Search for Archive Data

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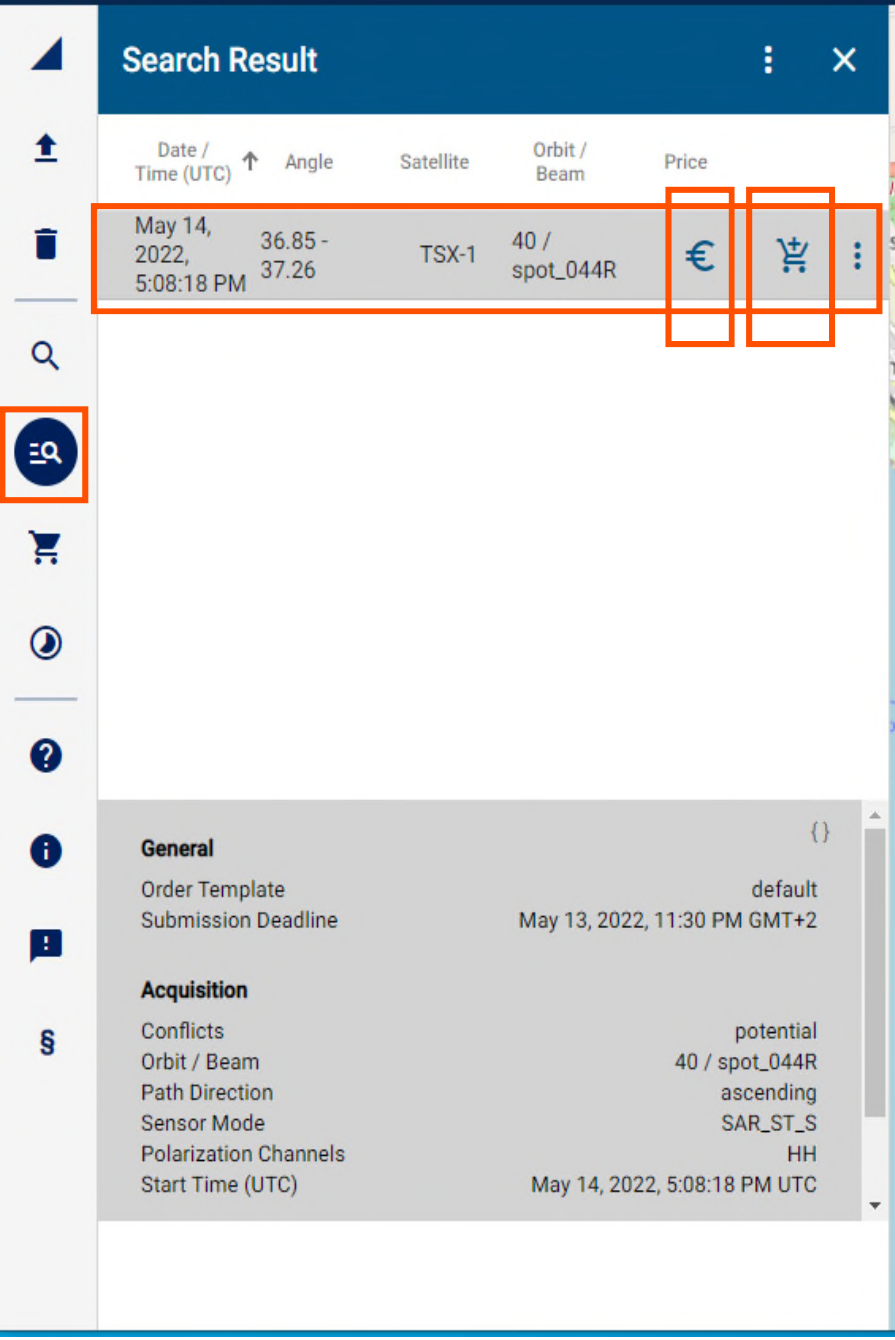

- Your **Search Results** are displayed automatically. Alternatively you can go to the left-hand Navigation Bar and klick on **Search Results**.
- Optional: Filter the Search Results, e.g. by Acquisition Date or Angle.
- Klick on each individual item in order to highlight the **footprint** on the Map or move the cursor to **check details** for each Acquisition.
- **Klick** on the **€ icon (Get Price)** to display scene price.
- **Select** the **desired Acquisition(s)**. A mouse-klick on the **Add to Shopping Cart** button will add them to the Shopping Cart.
- Repeat this step for all desired Acquisitions.

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RADAR Tasking and Archive

Search Results,

Select and add items to Shopping Cart

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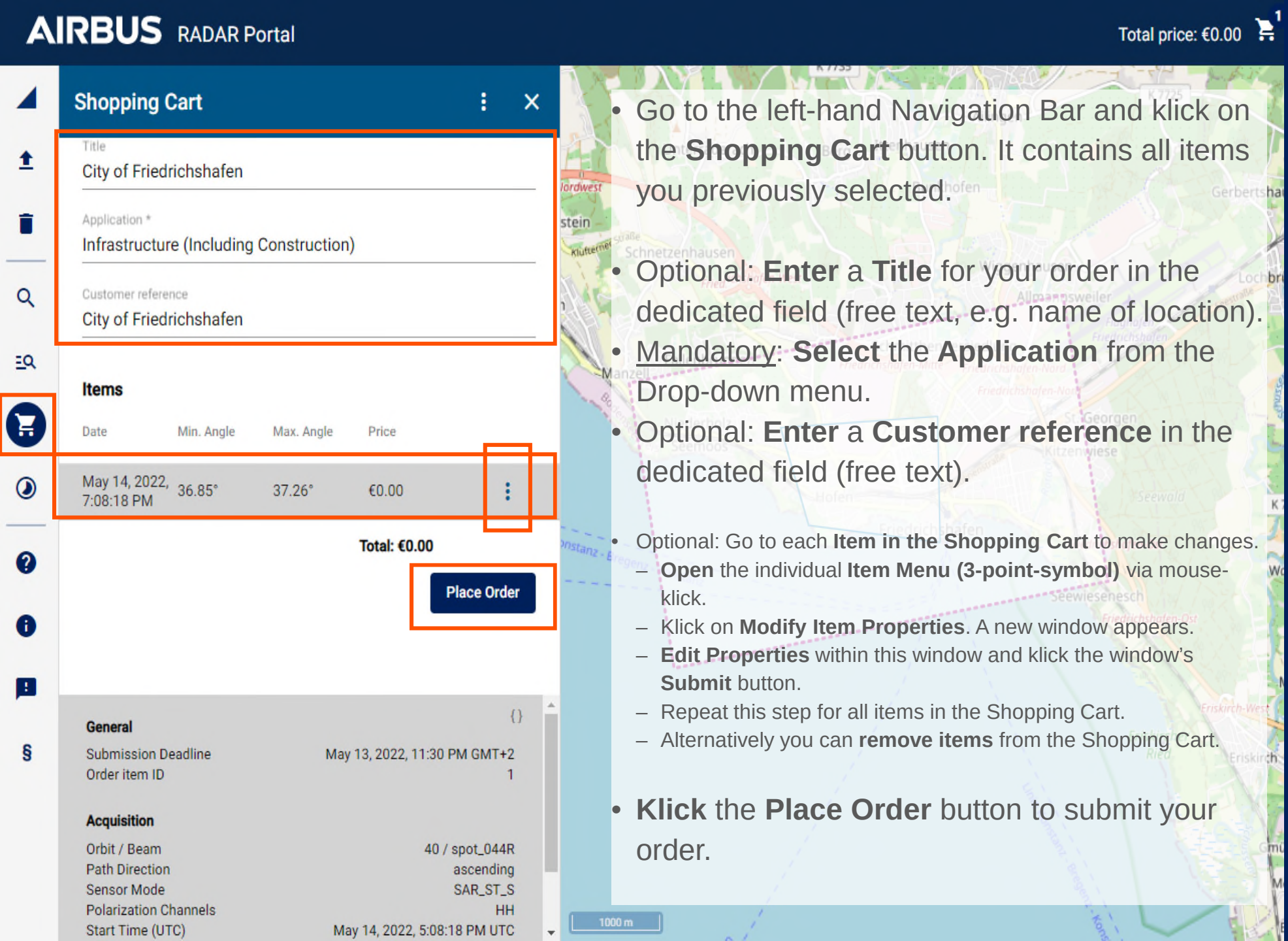

- Go to the left-hand Navigation Bar and klick on the **Shopping Cart** button. It contains all items you previously selected.
- Optional: **Enter** a **Title** for your order in the dedicated field (free text, e.g. name of location).
- Mandatory: **Select** the **Application** from the Drop-down menu.
- Optional: **Enter** a **Customer reference** in the dedicated field (free text).

- Optional: Go to each **Item in the Shopping Cart** to make changes.
  - **Open** the individual **Item Menu (3-point-symbol)** via mouse-klick.
  - Klick on **Modify Item Properties**. A new window appears.
  - **Edit Properties** within this window and klick the window's **Submit** button.
  - Repeat this step for all items in the Shopping Cart.
  - Alternatively you can **remove items** from the Shopping Cart.

- **Klick** the **Place Order** button to submit your order.

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Shopping Cart

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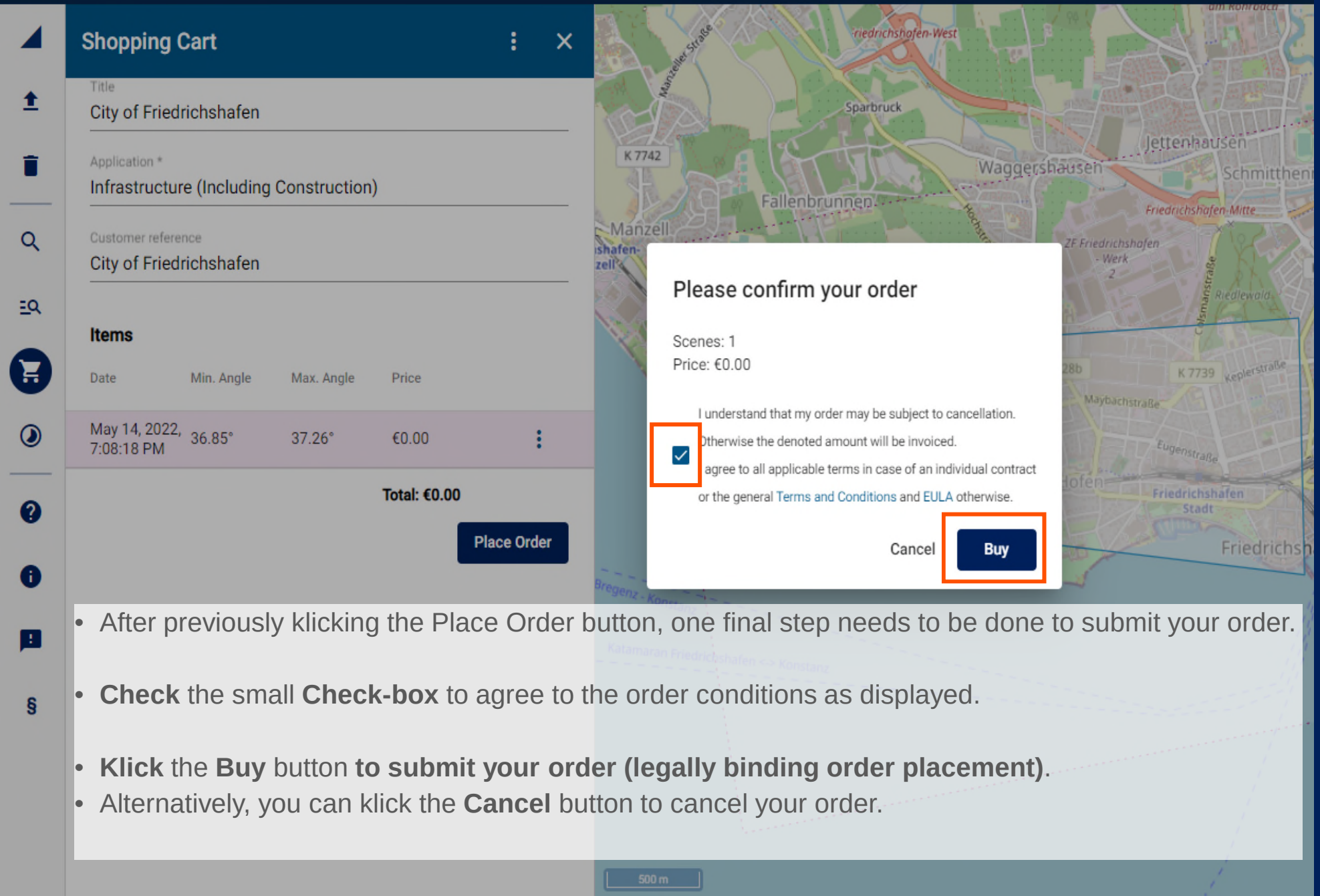
Order confirmation



- After previously klicking the Place Order button, one final step needs to be done to submit your order.
- **Check** the small **Check-box** to agree to the order conditions as displayed.
- **Klick** the **Buy** button **to submit your order (legally binding order placement)**.
- Alternatively, you can klick the **Cancel** button to cancel your order.

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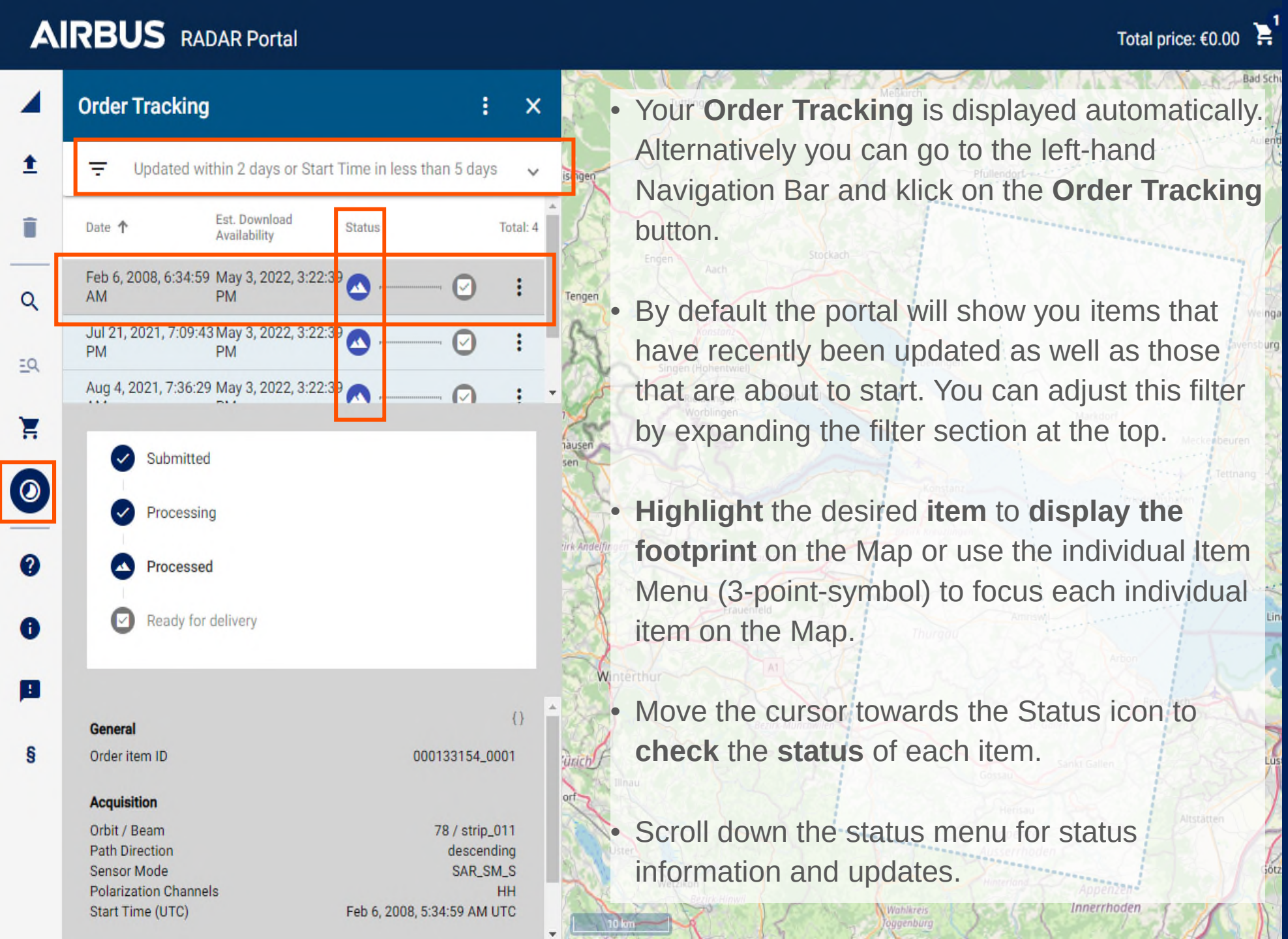

- Your **Order Tracking** is displayed automatically. Alternatively you can go to the left-hand Navigation Bar and klick on the **Order Tracking** button.
- By default the portal will show you items that have recently been updated as well as those that are about to start. You can adjust this filter by expanding the filter section at the top.
- **Highlight** the desired **item** to **display the footprint** on the Map or use the individual Item Menu (3-point-symbol) to focus each individual item on the Map.
- Move the cursor towards the Status icon to **check** the **status** of each item.
- Scroll down the status menu for status information and updates.

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Order Tracking

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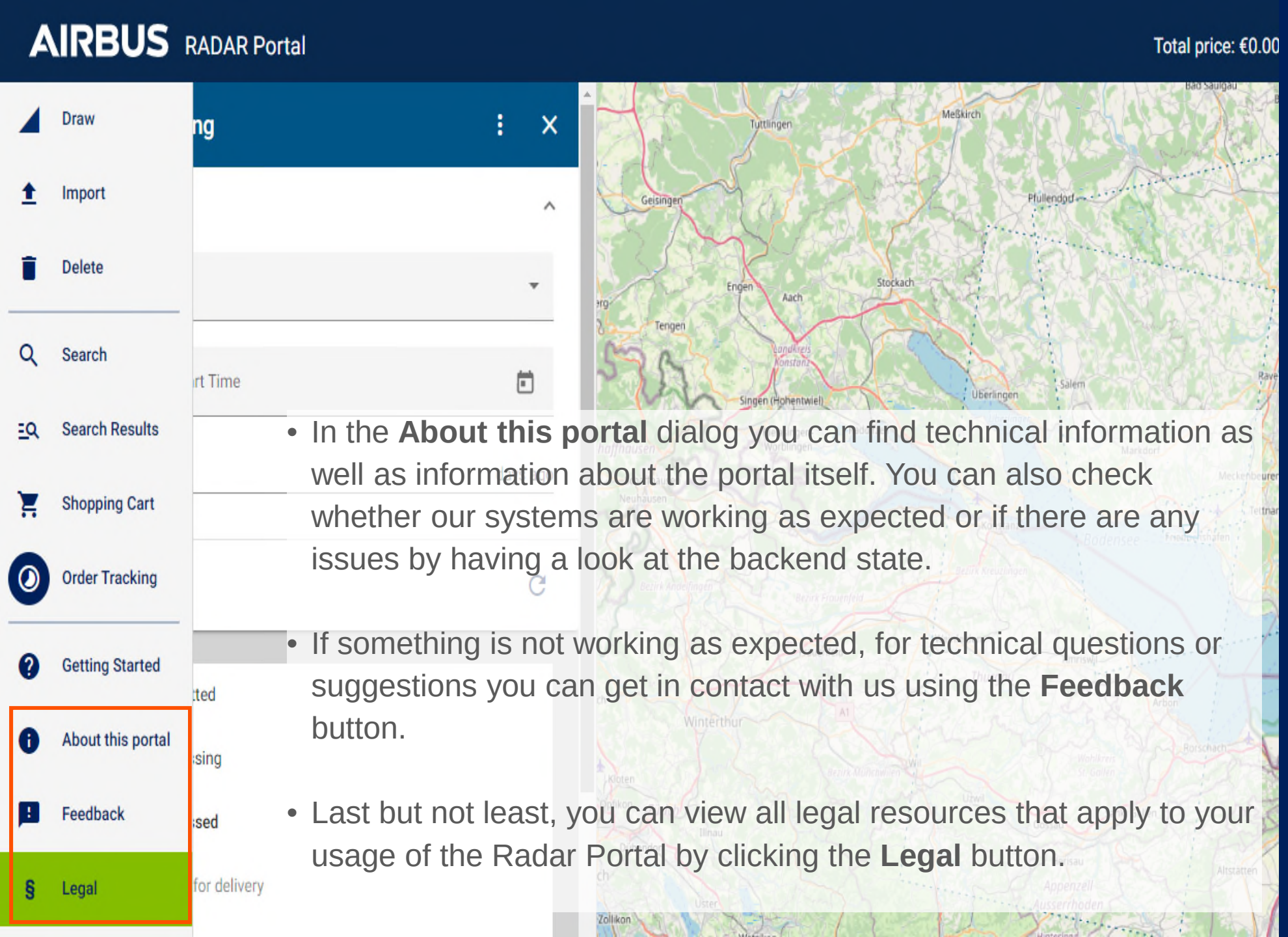

- In the **About this portal** dialog you can find technical information as well as information about the portal itself. You can also check whether our systems are working as expected or if there are any issues by having a look at the backend state.
- If something is not working as expected, for technical questions or suggestions you can get in contact with us using the **Feedback** button.
- Last but not least, you can view all legal resources that apply to your usage of the Radar Portal by clicking the **Legal** button.

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Additional Information

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RADAR Portal – ‚How to order' page:
https://www.intelligence-airbusds.com/en/9945-how-to-order-radar-imagery-and-worlddem, including:

- this ‚Getting started' User Guide
- Tasking/Ordering Video Tutorial
- FAQ's

SAR Tutorial - Basic Principles of Radar - Made simple:
https://www.intelligence-airbusds.com/newsroom/news/sar-tutorial/

Radar Sample data:
https://www.intelligence-airbusds.com/imagery/sample-imagery/

Technical and supporting documents:
https://www.intelligence-airbusds.com/imagery/constellation/radar-constellation/technical-documents/

RADAR Tasking and Archive

Additional Information

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Thank you

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