

**Drones.
Data.
Decisions.**



October 1, 2025

Analyst Workflow UI/UX

De gids voor het beoordelen van vluchten,
valideren van detecties en uitvoeren van
visuele en analytische controles als analist in
het Aerosophia-platform.

Missie & Workflow:

Analisten waarborgen de nauwkeurigheid van detecties, bevestigen AI-resultaten en dragen bij aan continue verbetering van het model.

1. Vluchten worden geüpload
2. De AI detecteert afwijkingen
3. De analist valideert en voegt commentaar toe
4. Feedback verbetert de detectienauwkeurigheid



1. Fly

Drone(s) collect high-quality images, videos, and thermal data with precision.



2. Connect

Upload or stream data seamlessly to Aerosophia's platform.



3. Analyze

AI transforms data into insights, identifying events and issues.



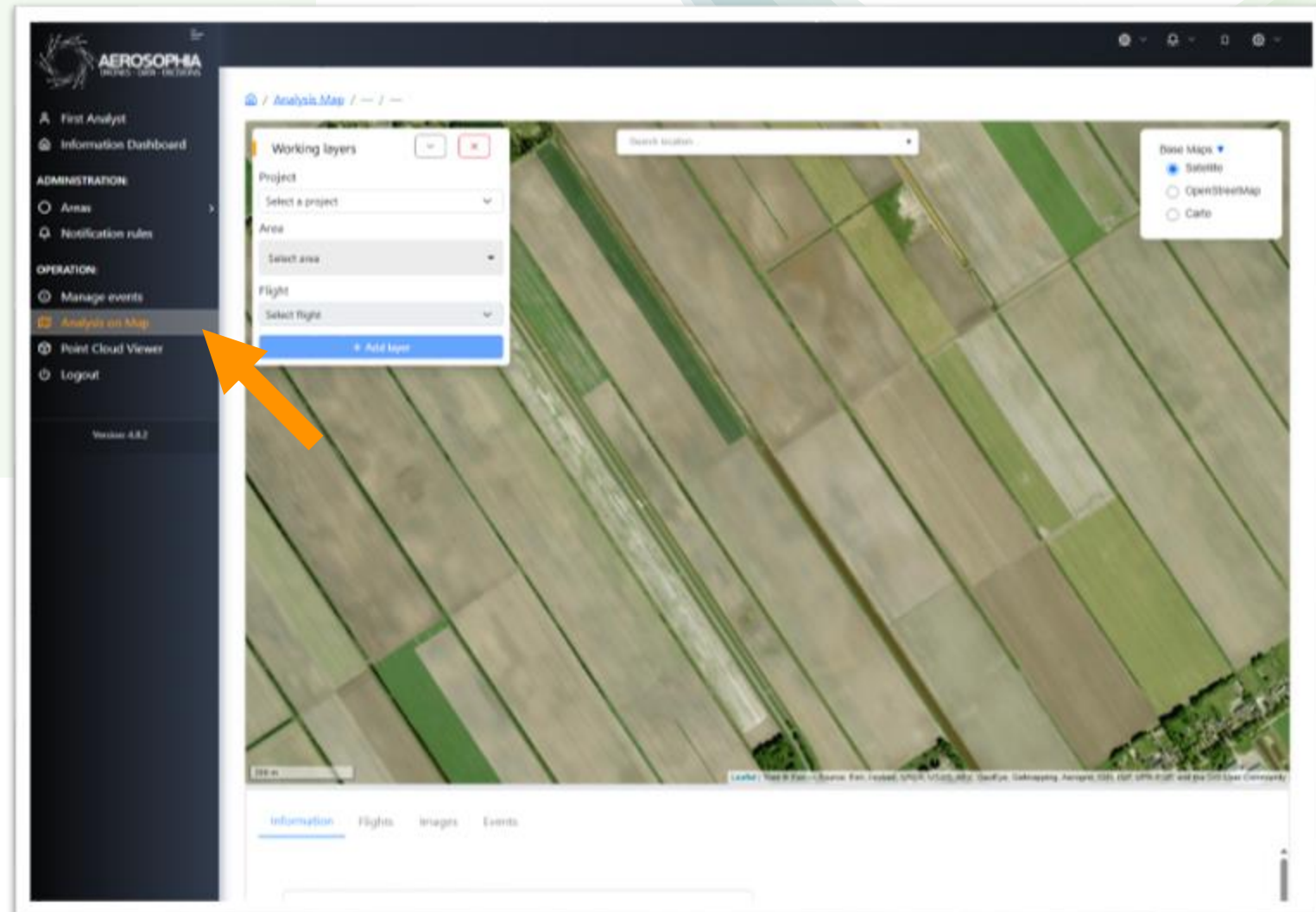
4. Act

Insights turn into action with mapped events and system alerts.

Toegang tot de analyse-omgeving

Na inloggen, open de zijbalk en navigeer naar '**Analysis** → **On the Map**' om je review te starten.

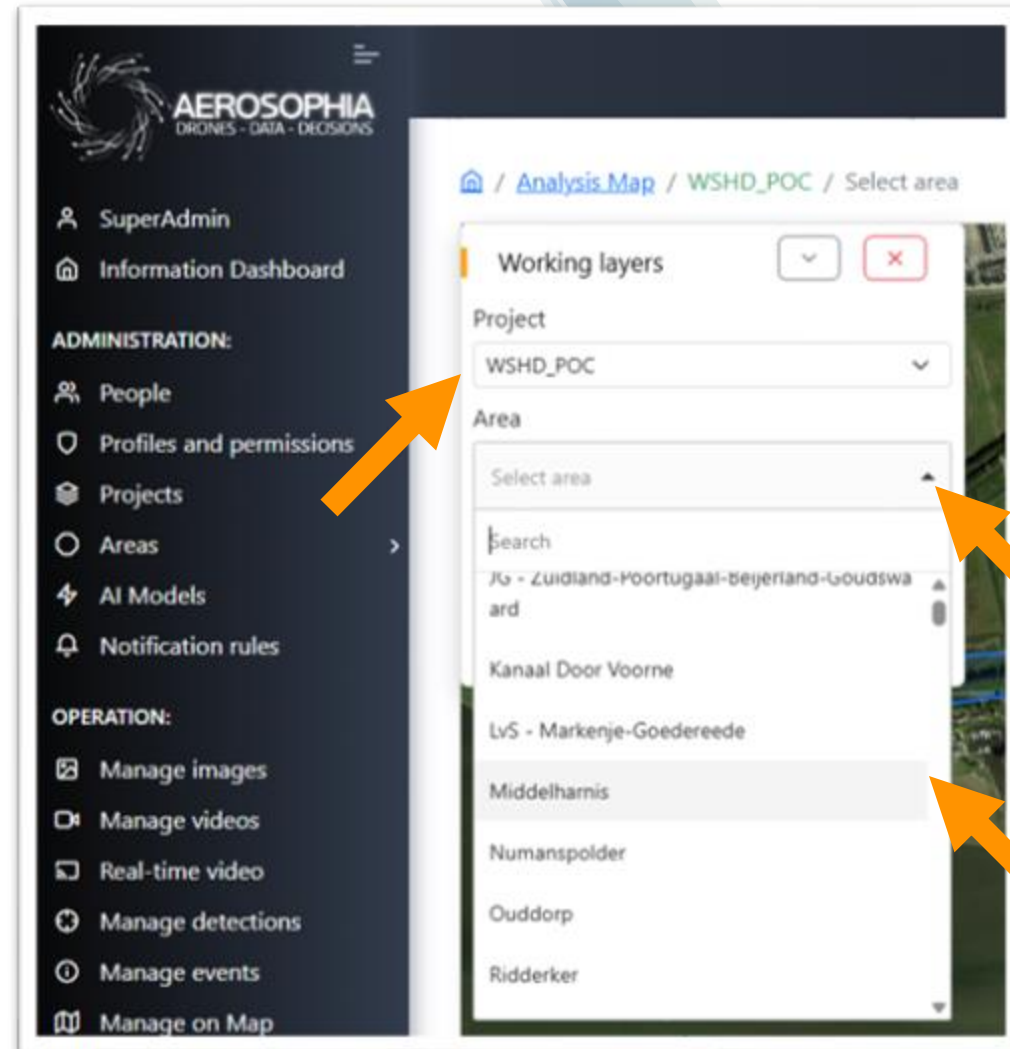
Tip: de kaartweergave is je belangrijkste werkruimte.



Project en gebied selecteren:

Begin met het kiezen van je project en selecteer daarna het specifieke gebied dat je wilt beoordelen.

Projecten bepalen welke gebieden en datasets beschikbaar zijn.



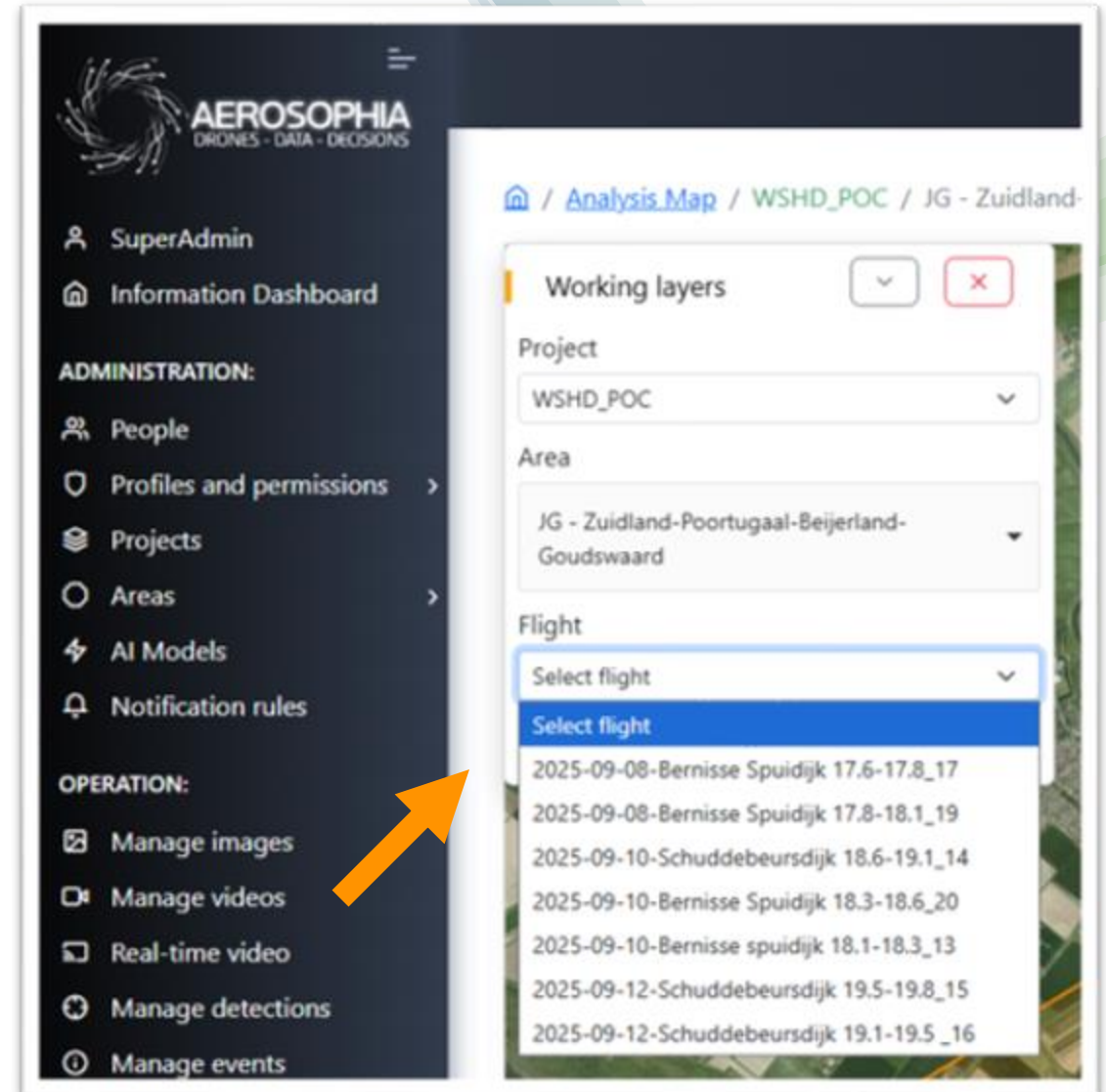
The screenshot displays the AEROSOPHIA web interface. The sidebar on the left contains navigation options: SuperAdmin, Information Dashboard, ADMINISTRATION (People, Profiles and permissions, Projects, Areas, AI Models, Notification rules), and OPERATION (Manage images, Manage videos, Real-time video, Manage detections, Manage events, Manage on Map). The main content area shows the 'Working layers' panel with the following settings:

- Project: WSHD_POC
- Area: Select area

A search bar is visible below the 'Area' dropdown, with a list of search results including: 'JL - Zuidland-Poortugaal-Beijerland-Goudswaard', 'Kanaal Door Voorne', 'LvS - Markenje-Goedereede', 'Middelhamnis', 'Numanspolder', 'Ouddorp', and 'Ridderker'. Three orange arrows point to the 'Project' dropdown, the 'Area' dropdown, and the selected 'Middelhamnis' item.

Vluchten selecteren en toevoegen:

- Kies één of meerdere vluchten uit de lijst (nieuwste bovenaan) en klik op 'Add to Map' om ze te visualiseren.



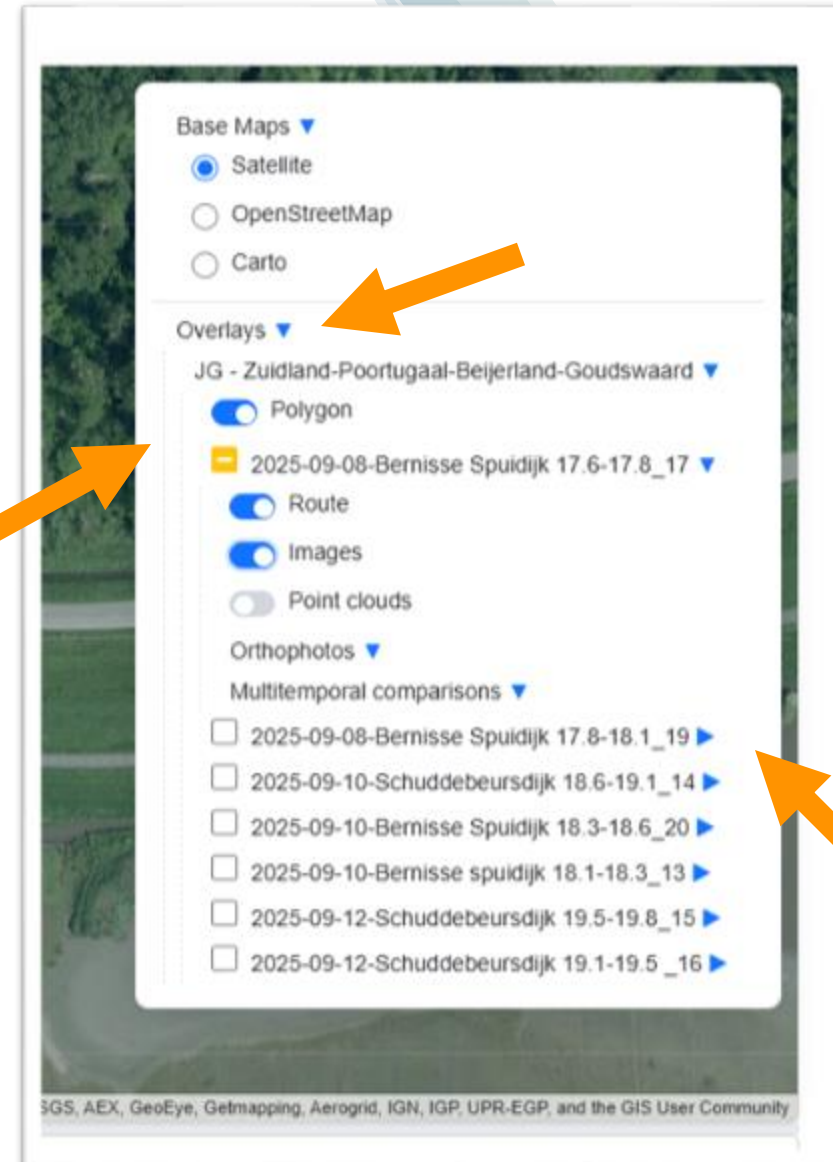
The screenshot displays the AEROSOPHIA web interface. The top navigation bar includes the logo and the text 'AEROSOPHIA DRONES - DATA - DECISIONS'. The breadcrumb trail shows the current location: '/ Analysis Map / WSHD_POC / JG - Zuidland'. The left sidebar contains a navigation menu with the following items: SuperAdmin, Information Dashboard, ADMINISTRATION: People, Profiles and permissions, Projects, Areas, AI Models, Notification rules, and OPERATION: Manage images, Manage videos, Real-time video, Manage detections, and Manage events. The main content area shows the 'Working layers' panel, which is currently empty. Below this panel, there are three dropdown menus: 'Project' (set to WSHD_POC), 'Area' (set to JG - Zuidland-Poortugaal-Beijerland-Goudswaard), and 'Flight'. The 'Flight' dropdown menu is open, showing a list of flight records with their dates and coordinates. An orange arrow points to the 'Add to Map' button at the bottom of the flight selection list.

Flight
Select flight
2025-09-08-Bernisse Spuidijk 17.6-17.8_17
2025-09-08-Bernisse Spuidijk 17.8-18.1_19
2025-09-10-Schuddebeursdijk 18.6-19.1_14
2025-09-10-Bernisse Spuidijk 18.3-18.6_20
2025-09-10-Bernisse spuidijk 18.1-18.3_13
2025-09-12-Schuddebeursdijk 19.5-19.8_15
2025-09-12-Schuddebeursdijk 19.1-19.5_16


Navigeren door layers en attributen

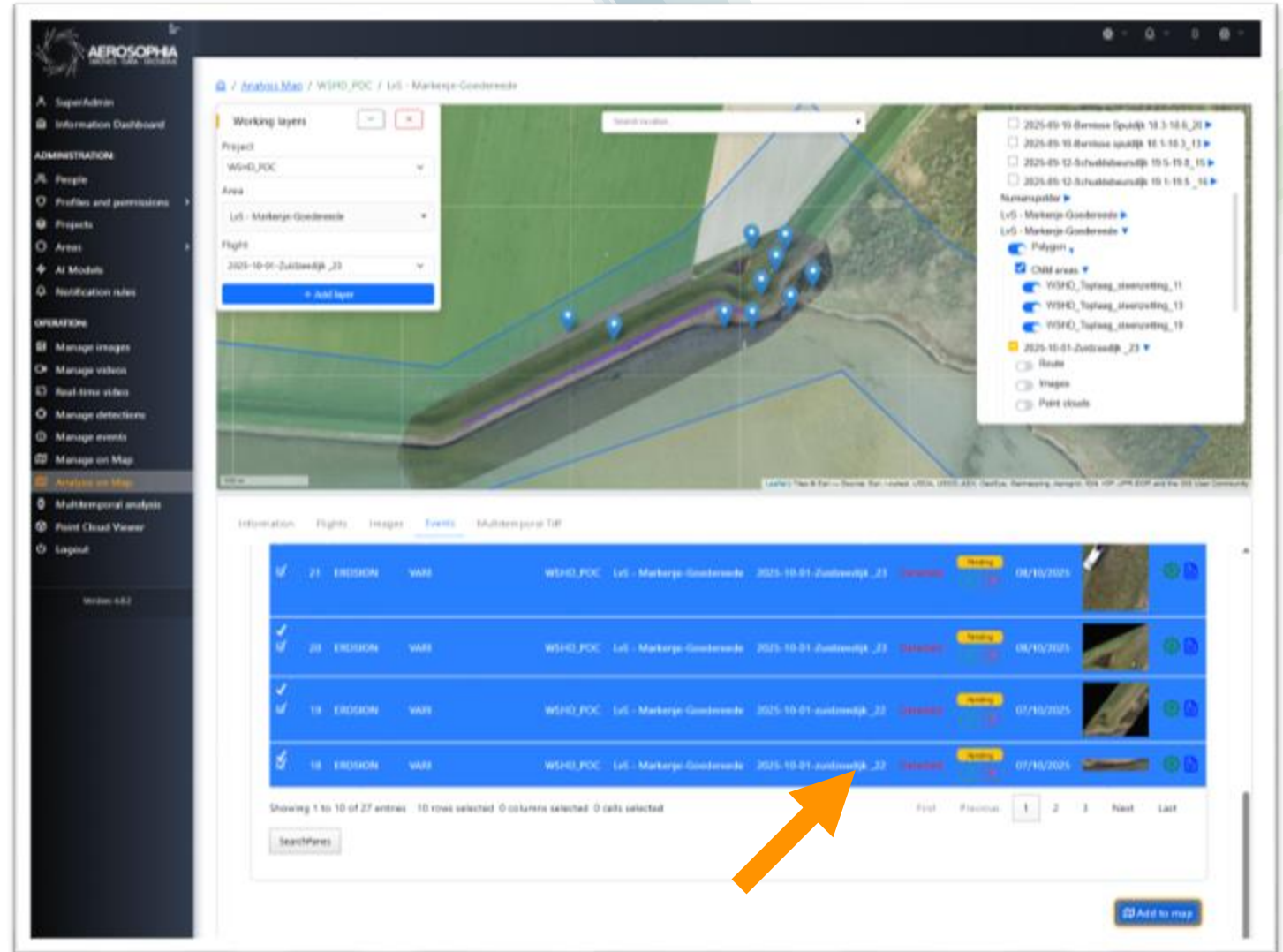
Gebruik het **Navigation Window** om te bepalen welke lagen en attributen worden weergegeven.

Vouw lagen uit of in en schakel zichtbaarheid in/uit voor gebieden, vluchten en referentiepunten.



















Overzicht van Detecties (Events List)

- De **Events List** toont alle detecties van de geselecteerde vlucht.
- Valideer detecties en beheer de status van events.
- Gebruik  **Approve** /  **Reject** knoppen direct.



The screenshot displays the AEROSOPHIA interface. At the top, a 3D map shows a canal with several blue detection markers. Below the map is the 'Events List' table, which contains the following data:





ID	Event Type	Severity	Project	Area	Flight	Status	Date	Image	Actions
21	EROSION	WARN	WSHO_POC	LvS - Markere-Goederwede	2025-10-01-Zuidweldijk_21	Approved	08/10/2025		  
20	EROSION	WARN	WSHO_POC	LvS - Markere-Goederwede	2025-10-01-Zuidweldijk_20	Approved	08/10/2025		  
19	EROSION	WARN	WSHO_POC	LvS - Markere-Goederwede	2025-10-01-Zuidweldijk_19	Approved	07/10/2025		  
18	EROSION	WARN	WSHO_POC	LvS - Markere-Goederwede	2025-10-01-Zuidweldijk_18	Approved	07/10/2025		  

Below the table, it indicates 'Showing 1 to 10 of 27 entries', '10 rows selected', '0 columns selected', and '0 cells selected'. There are 'First', 'Previous', '1', '2', '3', 'Next', and 'Last' navigation buttons. A search bar is located at the bottom left, and an 'Add to map' button is at the bottom right. An orange arrow points to the 'Approve' button in the first row of the table.

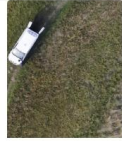
Event Details Panel

- Klik op het tandwiel-icoon om gedetailleerde eventinformatie, beeldmateriaal en metadata te bekijken.
- Pas de status aan, voeg commentaar toe en bevestig detecties.
- Het bijwerken van status of commentaar slaat automatisch het record op en triggert vervolgacties in de workflow.

Search:

Status	Approval	Date	Thumbnail	Actions
Detected	Pending ✓ ✗	08/10/2025		⚙️ 📄
Detected	Pending ✓ ✗	08/10/2025		⚙️ 📄
Detected	Rejected ✓ ↻	08/10/2025		⚙️ 📄
Detected	Pending ✓ ✗	08/10/2025		⚙️ 📄

Information Flights Images **Events** Multitemporal Tiff



Event: 21
 Project: WSHD_POC
 Area: Lv5 - Markenje-Goedereede
 Responsible: First Analyst
 Status: **Reassigned**
 Detection: EROSION
 Type: VARI
 Date: 08/10/2025
 Location:
 • Latitude: 51.8028491506875
 • Longitude: 3.9886208060235

[Generate report](#)

Change status to:

Select new status

Assign to:

Select user

New annotation:

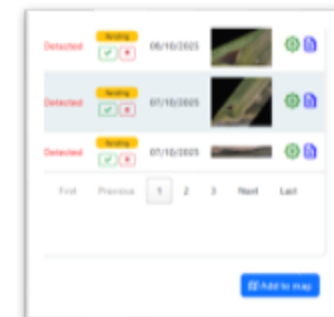
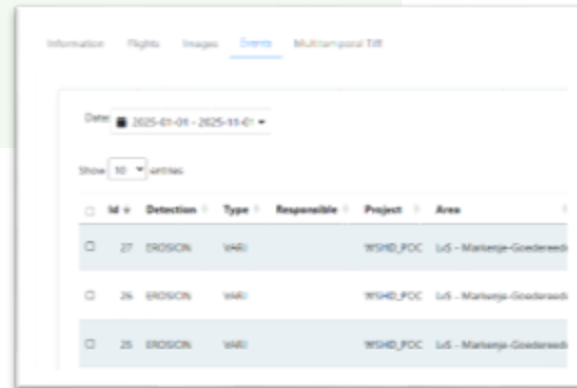
[Save](#)

Annotation log:

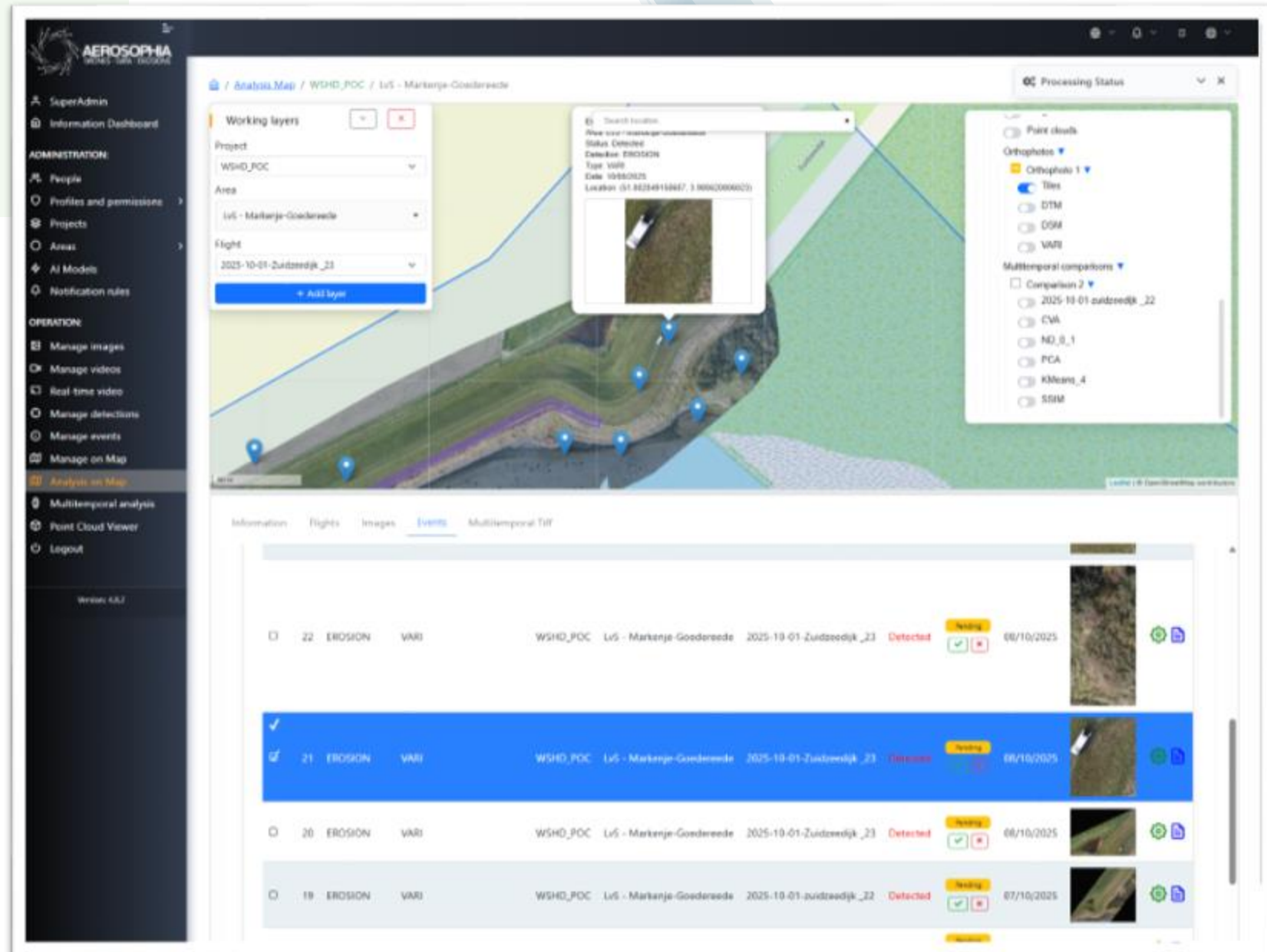
Date	Created by	Annotation	Responsible	Status
09/10/2025 09:55:13	SuperAdmin SuperAdmin	comment	First Analyst	Reassigned

Visuele Review: Alle Events op de Kaart





- Om events ruimtelijk te beoordelen: ga naar het **Events-tabblad**, selecteer alles, en klik op **'Add to Map'**.



Visuele Review: Alle Events op de Kaart

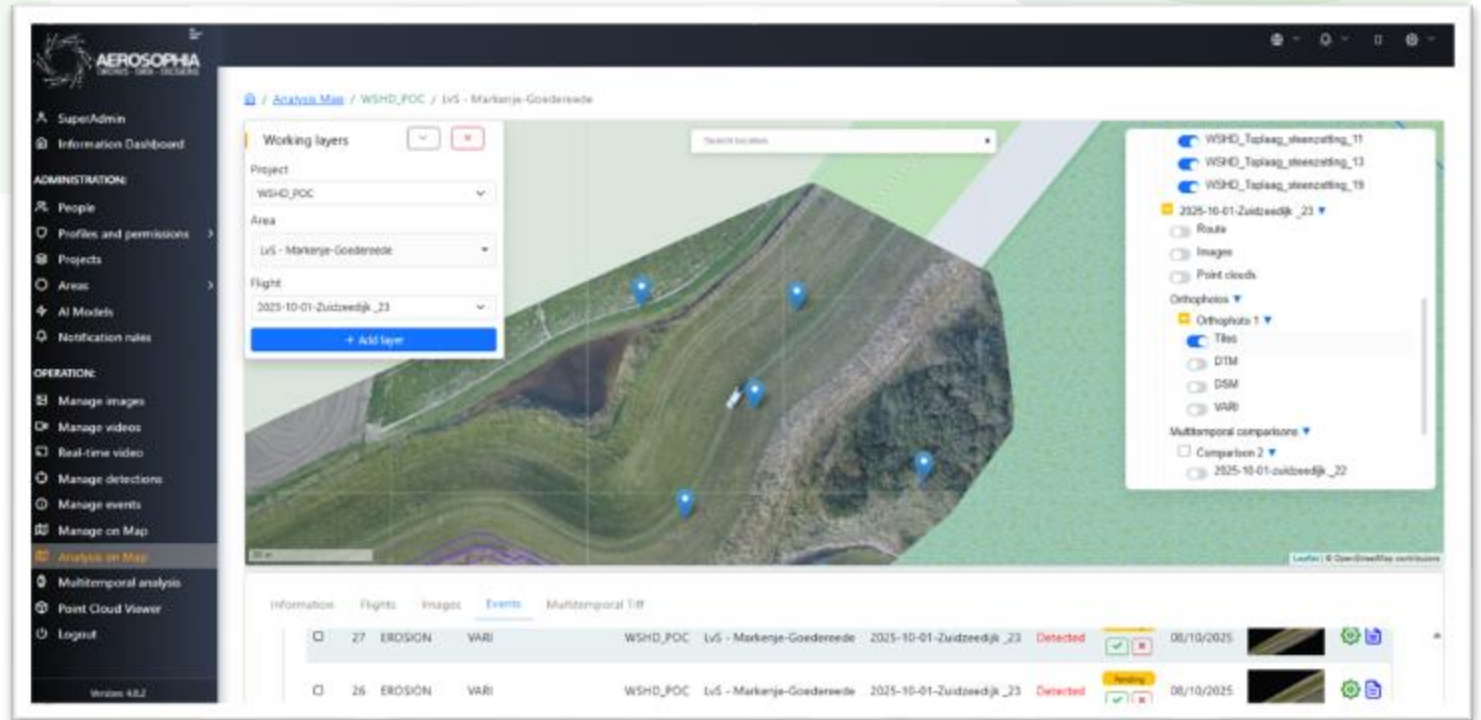


The screenshot displays the AEROSOPHIA web interface. On the left is a dark sidebar with navigation options: SuperAdmin, Information Dashboard, ADMINISTRATION (People, Profiles and permissions, Projects, Areas, AI Models, Notification rules), OPERATION (Manage images, Manage videos, Real-time video, Manage detections, Manage events, Manage on Map, Analysis on Map, Multitemporal analysis, Point Cloud Viewer, Logout), and a user profile section for 'Wouter A.S.J.'. The main area shows a 3D map of a field with several blue location pins. A 'Working layers' panel is open, showing filters for Project (WSHD_POC), Area (LVS - Markenje-Goedereede), and Flight (2025-10-01-Zuidzijdijk_23). A search location popup shows a zoomed-in view of a specific event. On the right, a 'Processing Status' panel lists various analysis layers like Orthophoto 1, DTM, DSM, VARI, and Multitemporal comparisons. Below the map is a table of detected events.



Event ID	Type	Area	Project	Flight	Status	Review	Date	Image	
22	EROSION	VARI	WSHD_POC	LVS - Markenje-Goedereede	2025-10-01-Zuidzijdijk_23	Detected	Review	08/10/2025	
21	EROSION	VARI	WSHD_POC	LVS - Markenje-Goedereede	2025-10-01-Zuidzijdijk_23	Detected	Review	08/10/2025	
20	EROSION	VARI	WSHD_POC	LVS - Markenje-Goedereede	2025-10-01-Zuidzijdijk_23	Detected	Review	08/10/2025	
19	EROSION	VARI	WSHD_POC	LVS - Markenje-Goedereede	2025-10-01-zuidzijdijk_22	Detected	Review	07/10/2025	

Orthotiff-laag (Hoge Resolutie Beelden)

- Gebruik de Orthotiff-laag (~2 cm per pixel) voor visuele bevestiging van gedetecteerde afwijkingen.

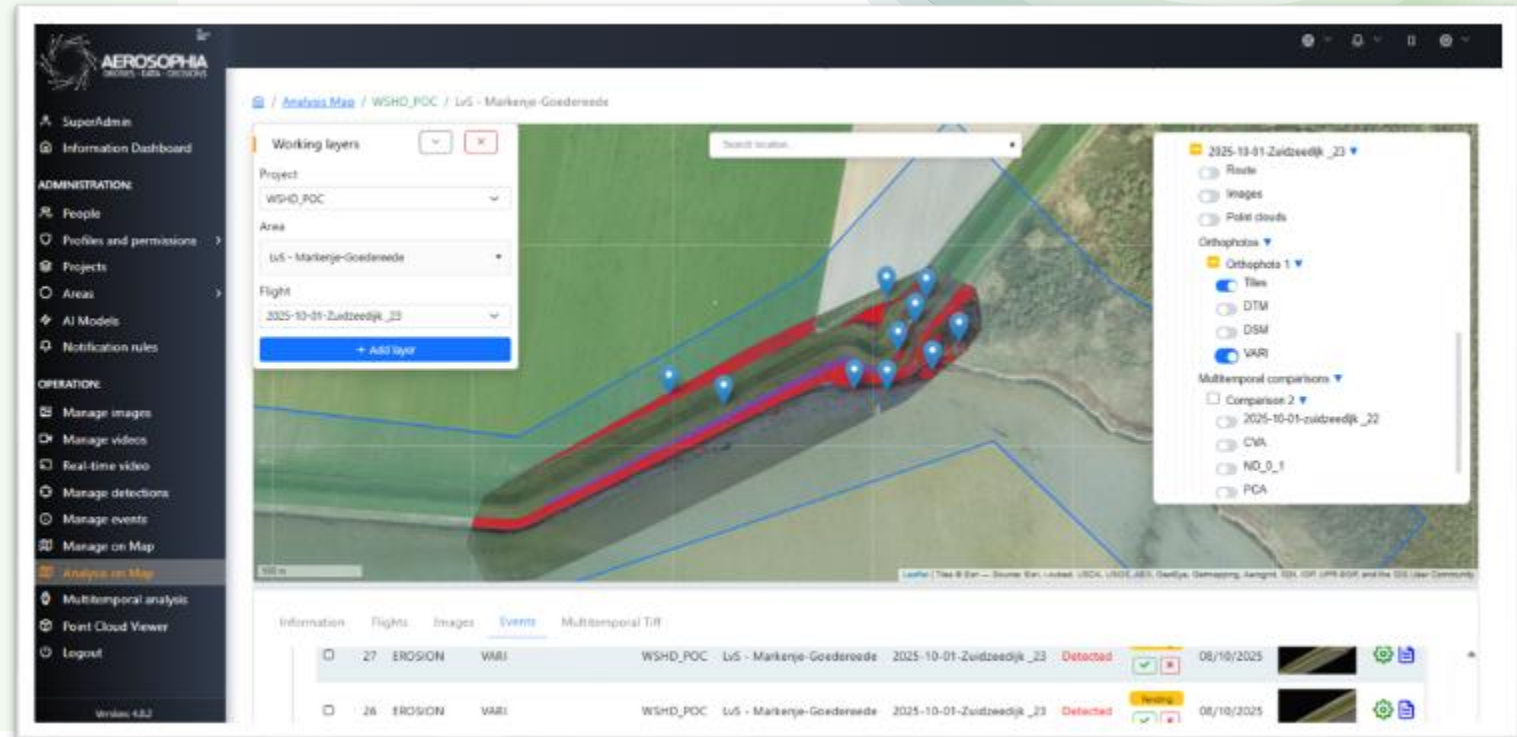


The screenshot displays the AEROSOPHIA software interface. The main view is a 3D map of a landscape with several blue markers indicating detected anomalies. A 'Working layers' panel on the left shows the current project settings: Project: WSHD_POC, Area: lvs - Markenje-Goederede, Flight: 2025-10-01-Zuidzeedijk_23. A table at the bottom lists detected events:

Event ID	Event Name	Category	Project	Area	Flight	Status	Date	Thumbnail
27	EROSION	VARI	WSHD_POC	lvs - Markenje-Goederede	2025-10-01-Zuidzeedijk_23	Detected	08/10/2025	
26	EROSION	VARI	WSHD_POC	lvs - Markenje-Goederede	2025-10-01-Zuidzeedijk_23	Detected	08/10/2025	

Gebruik van VARI (Visible Atmosphericly Resistant Index)

- Voor analyse van vegetatie en erosie, selecteer de VARI-laag in de Data Layer Selection Toolbox.
- Rood = vegetatie/blootliggende grond
- Intens rood = grotere erosie of vegetatieoppervlakken





The screenshot shows the AEROSOPHIA software interface. The main map displays a 3D view of a terrain with a red area indicating erosion or bare ground. The interface includes a sidebar with navigation options, a 'Working layers' panel, and a table of detected events.

Working layers:

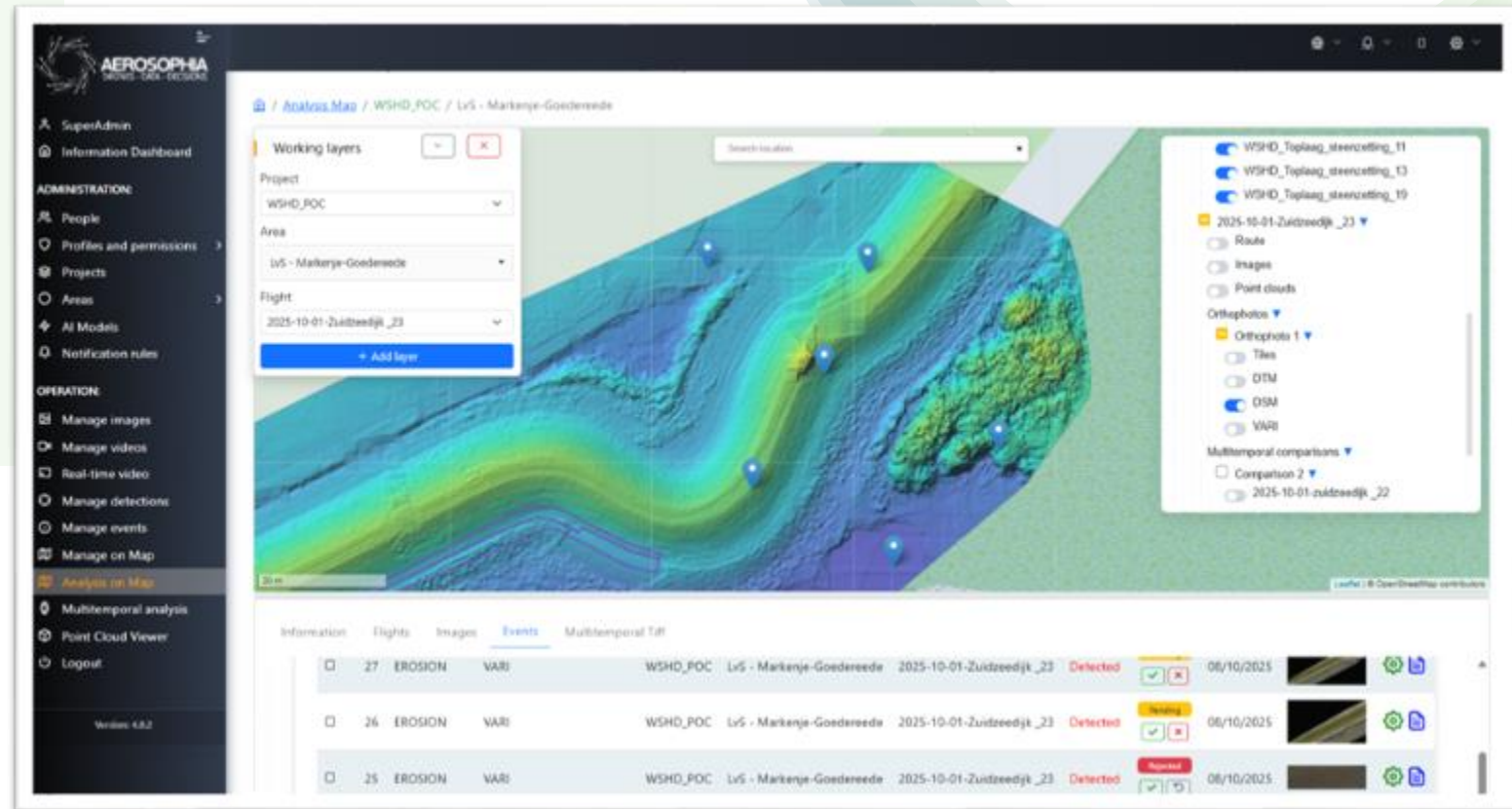
- Project: WSHD_POC
- Area: LVS - Markerje-Goederode
- Flight: 2025-10-01-Zuidzeedijk_23

Table of detected events:

ID	Type	Method	Project	Area	Flight	Status	Date	Thumbnail
27	EROSION	VARI	WSHD_POC	LVS - Markerje-Goederode	2025-10-01-Zuidzeedijk_23	Detected	08/10/2025	
26	EROSION	VARI	WSHD_POC	LVS - Markerje-Goederode	2025-10-01-Zuidzeedijk_23	Detected	08/10/2025	

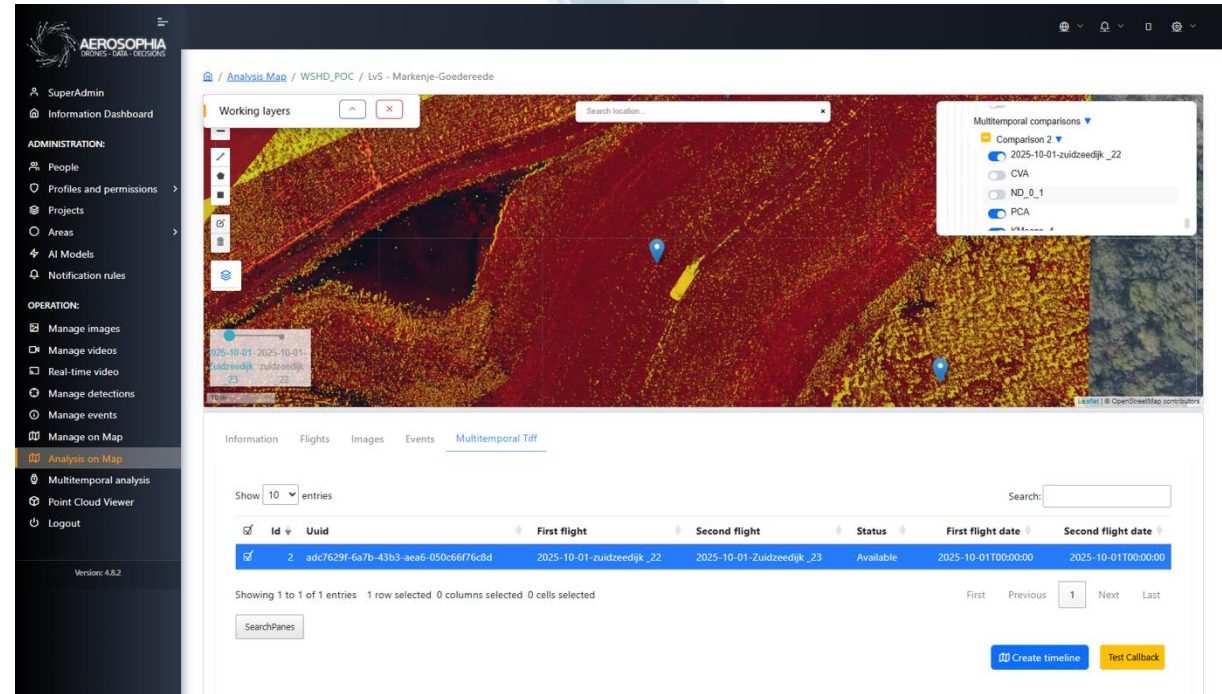
DSM & DTM Lagen

- Gebruik DSM (Surface) en DTM (Terrain) voor analyse op basis van hoogte en structuur.
- Vergelijk lagen om hoogteverschillen of erosie op te sporen.



Multitemporale Analyse

- Selecteer overlappende vluchten en klik op **‘Generate Comparison’**.
- Vergelijk vluchten van verschillende tijdstippen om veranderingen in terrein of vegetatie te detecteren.
- Gebruik de Multitemporal analysis layer om verschillende benaderingen voor tijdreeksanalyse te evalueren.

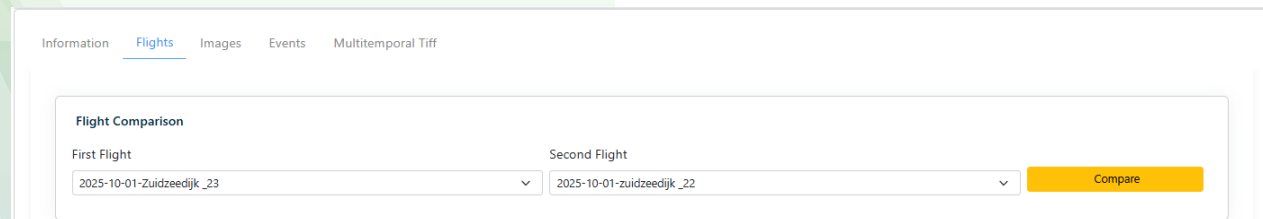


Show	10	entries	Search:				
Id	Uuid	First flight	Second flight	Status	First flight date	Second flight date	
<input checked="" type="checkbox"/>	2	adc7629f-6a7b-43b3-aea6-050c66f76c8d	2025-10-01-zuidzeedijk_22	2025-10-01-zuidzeedijk_23	Available	2025-10-01T00:00:00	2025-10-01T00:00:00

Showing 1 to 1 of 1 entries 1 row selected 0 columns selected 0 cells selected

SearchPanels

Create timeline Callback



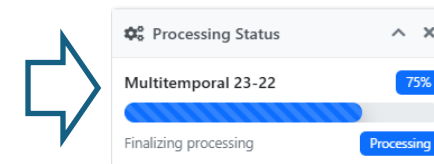
Information **Flights** Images Events Multitemporal Tiff

Flight Comparison

First Flight: 2025-10-01-zuidzeedijk_23

Second Flight: 2025-10-01-zuidzeedijk_22

Compare



Processing Status

Multitemporal 23-22 75%

Finalizing processing Processing

Overzicht Lageninteractie

Combineer lagen voor diepere inzichten:

- Orthotiff + VARI → visuele + vegetatiecontext
- DTM + DSM → validatie van hoogteveranderingen
- Multitemporal → tijdgebaseerde anomalie detectie

Best Practices voor Analisten

- Valideer detecties altijd visueel vóór bevestiging
- Voeg commentaar toe bij twijfelgevallen
- Vouw ongebruikte lagen in voor overzicht
- Controleer kruislinks tussen Orthotiff, VARI, DSM en DTM
- Refresh projecten vóór elke sessie

Support & Vervolgstappen

Voor hulp of feedback gebruik de Help-knop in het platform of neem contact op met het supportteam.

Geavanceerde functies zoals Point Cloud en zonken-analyse worden behandeld in latere trainingen.



AEROSOPHIA

DRONES - DATA - DECISIONS