



03 April 2024

# PRELIMINARY SATELLITE-DERIVED FLOOD ASSESSMENT



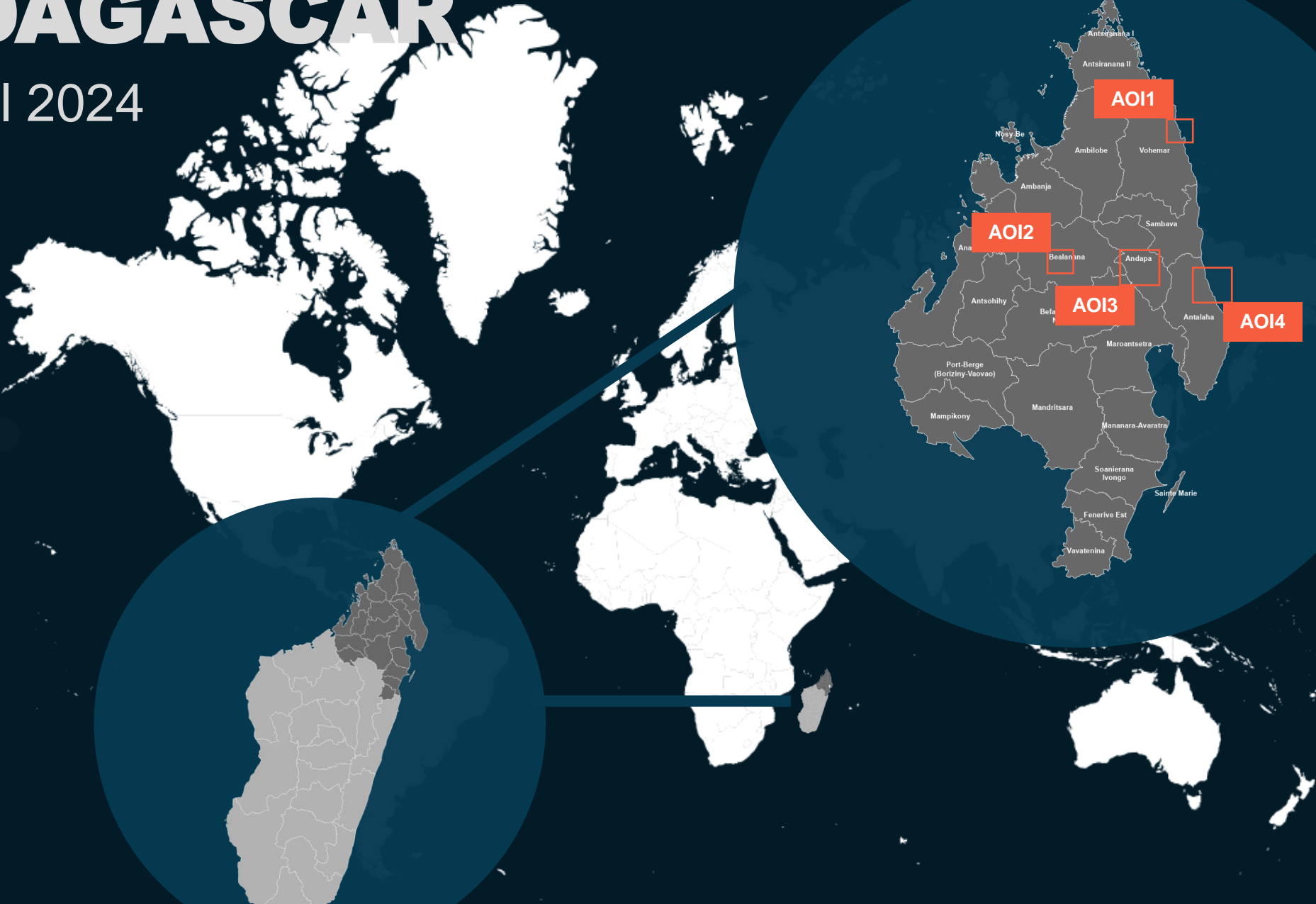
Sava & Sofia Regions, Madagascar

 Status: Flooded agricultural areas and potentially affected structures observed

 Further action(s): continue monitoring

# MADAGASCAR

03 April 2024



# AOI 1-1: Vohemar Commune, Vohemar District, Sava Region

Image center:  
13°22'57"S  
49°59'02"E



Flooded areas and potentially affected structures observed



WorldView-3 / 10 June 2021



WorldView-3 / 31 March 2024



# AOI 1-2: Vohemar Commune, Vohemar District, Sava Region

Image center:  
13°22'07"S  
50°00'50"E



Potentially affected structures



BEFORE



AFTER

Potentially affected building

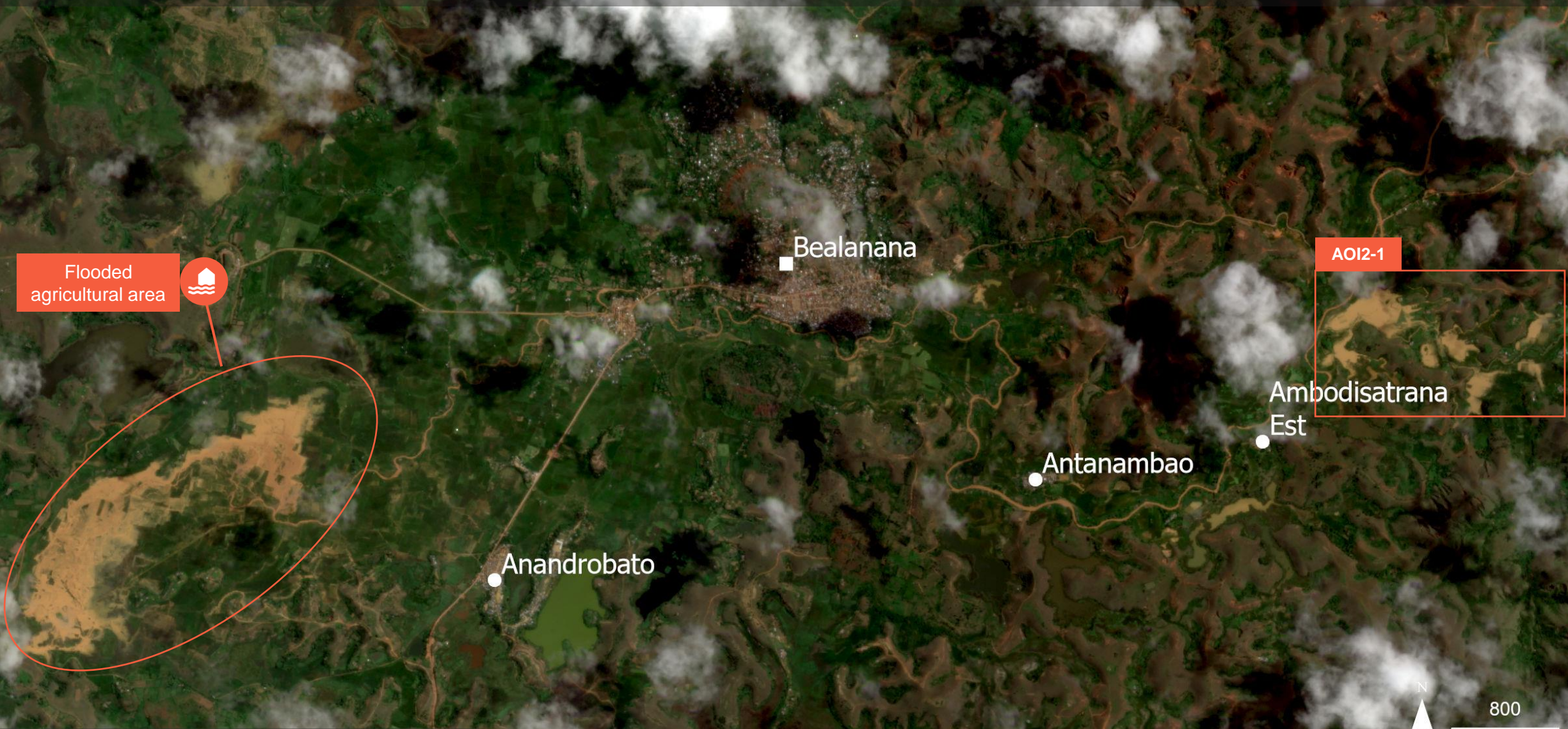
WorldView-3 / 31 January 2023

WorldView-3 / 31 March 2024



# AOI 2: Bealanana Commune, Bealanana District, Sofia Region

Flooded area observed



Flooded agricultural area



AOI2-1

Bealanana

Ambodisatrana Est

Antanambao

Anandrobato



800 m

PlanetScope image acquired on 01 April 2024, 06:16 UTC  
Image Center : 48°44'51"E 14°32'38"S



# AOI 2-1: Bealanana Commune, Bealanana District, Sofia Region

Flooded area observed

Image center:  
48°47'23"E  
14°32'50"S



GeoEye-1 / 12 September 2019

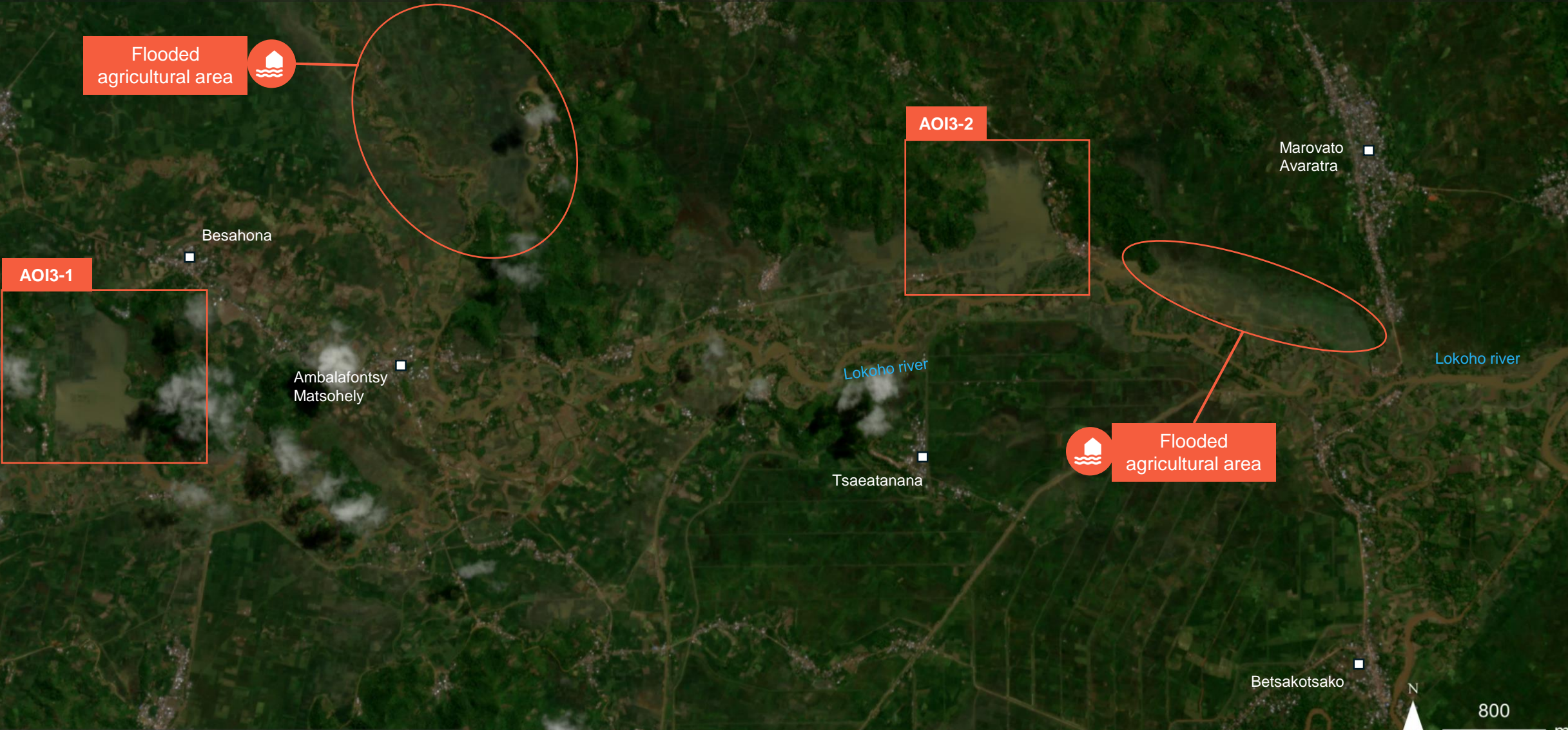


PlanetScope / 01 April 2024



# AOI 3: Matsohely & Belaoka Marovato Communes, Andapa District, Sava Region

Flooded area observed

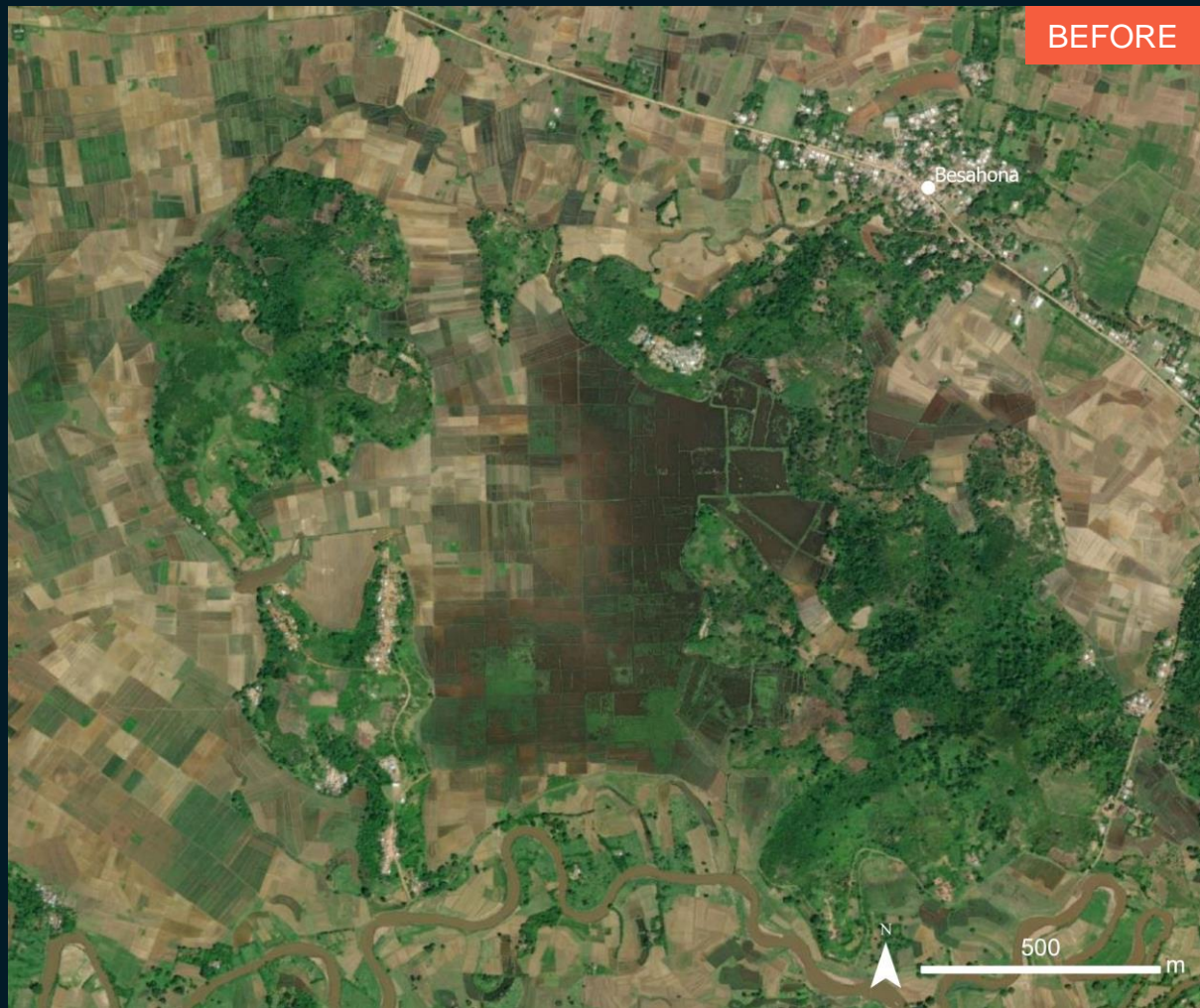




# AOI 3-1: Matsohely & Andranomena Commune, Andapa District, Sava Region

Flooded agricultural area observed

Image center:  
49°32'47"E  
14°37'12"S



WorldView-2 / 20 January 2023



PlanetScope / 31 March 2024



# AOI 3-2: Belaoka Marovato Commune, Andapa District, Sava Region

Flooded agricultural area observed

Image center:  
49°36'19"E  
14°36'39"S



WorldView-2 / 20 January 2023



PlanetScope / 31 March 2024



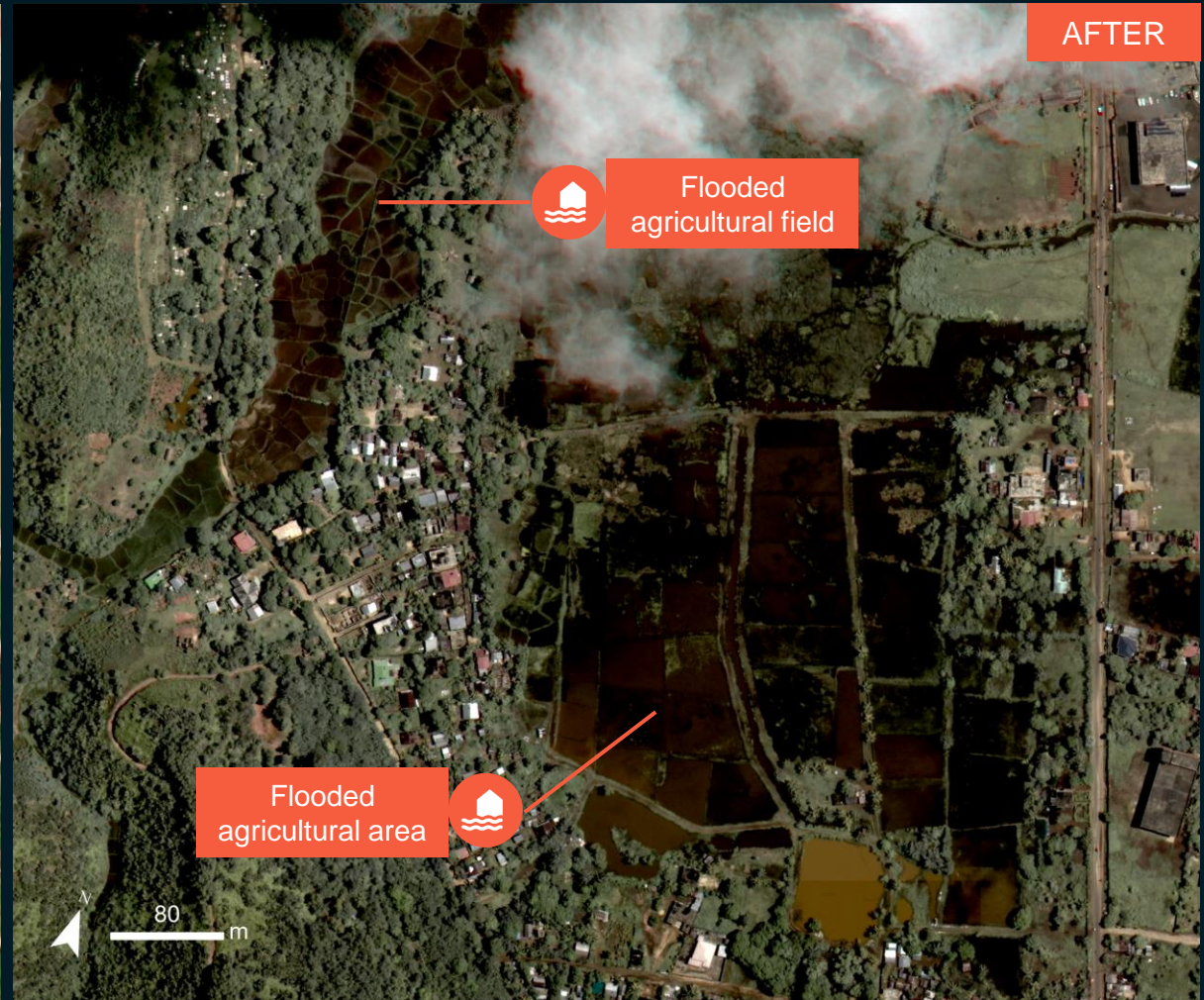
# AOI 4: Antalaha Town, Antalaha District, Sava Region

Flooded agricultural fields observed

Image center:  
14°55'12"S  
50°16'59"E



WorldView-2 / 06 March 2023



WorldView-3 / 31 March 2024



# SUMMARY OF FINDINGS

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- Potentially affected structures and flooded areas observed in Vohemar Commune, Vohemar District, Sava Region as of 31 March 2024;
- Flooded agricultural area observed in Bealanana Commune, Bealanana District, Sofia Region as of 01 April 2024;
- Flooded agricultural area observed in Matsohely & Belaoka Marovato Communes, Andapa District, Sava Region as of 31 March 2024;
- Flooded agricultural area observed in Antalaha Town, Antalaha District, Sava Region as of 31 March 2024.



# COPYRIGHTS & SOURCES

## Data sources:

(1) Satellite Image (Post-event): WorldView-3  
Acquisition date : 31 March 2024  
Resolution: 33cm  
Copyright: © 2024 Maxar  
Source: USGS

Satellite Image (Post-event): PlanetScope  
Acquisition date : 31 March 2024 & 01 April 2024  
Resolution: 3m  
Copyright: © Planet Labs Inc. (2024)  
Source: PLANET

(2) ESRI Basemap

(3) Ancillary data

Administrative boundaries: UNOCHA Field Information Services Section (FISS), HDX  
Populated place: OpenStreetMap  
Waterway: OpenStreetMap

Analysis: United Nations Satellite Centre (UNOSAT)  
Production: United Nations Satellite Centre (UNOSAT)





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