21 Feb 2022



TROPICAL CYCLONE BATSIRAI-22, PRELIMINARY SATELLITE-DERIVED FLOOD ASSESSMENT,



Amoron'l Mania and Vakinankaratra regions, Madagascar



Status: Increased water levels and potentially affected roads observed



Further action(s): Continue monitoring







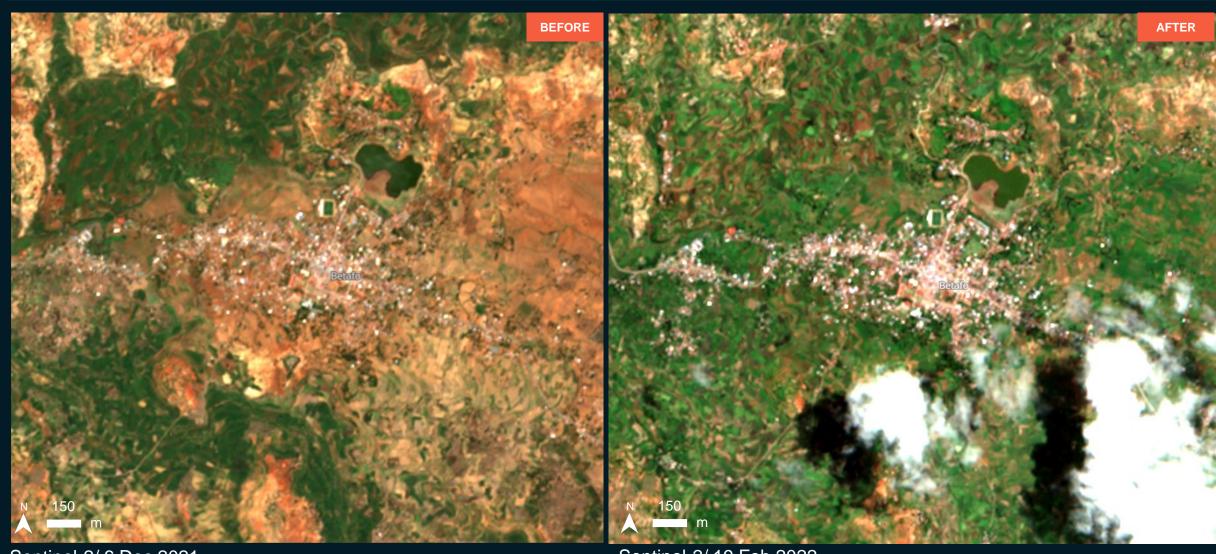
BETAFO TOWN, BETAFO DISTRICT VAKINANKARATRA REGION

Image center: 46°51'14.009"E 19°50'13.181"S





No flood observed



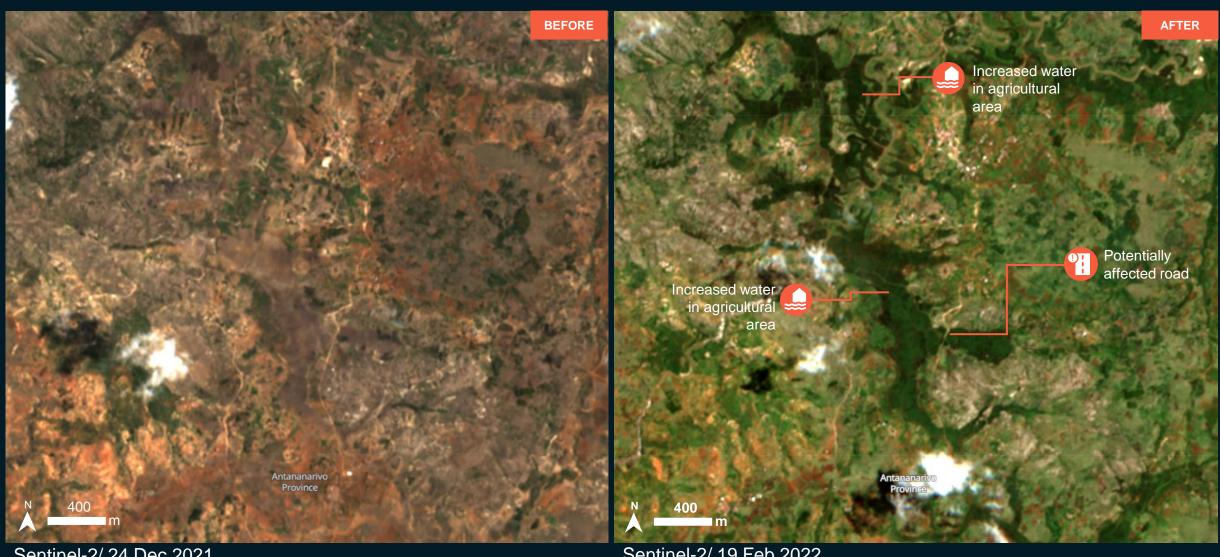
BETAFO DISTRICT, VAKINANKARATRA REGION

Image center: 46°53'4.222"E 19°45'23.763"S





Increased water in agricultural areas and potentially affected road



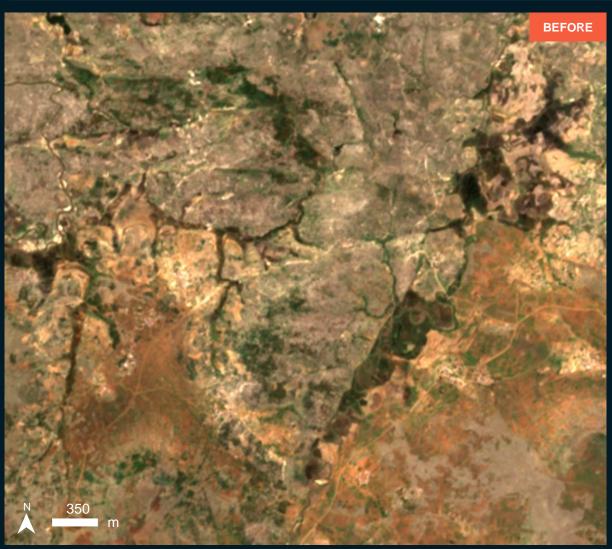
BETAFO DISTRICT, VAKINANKARATRA REGION

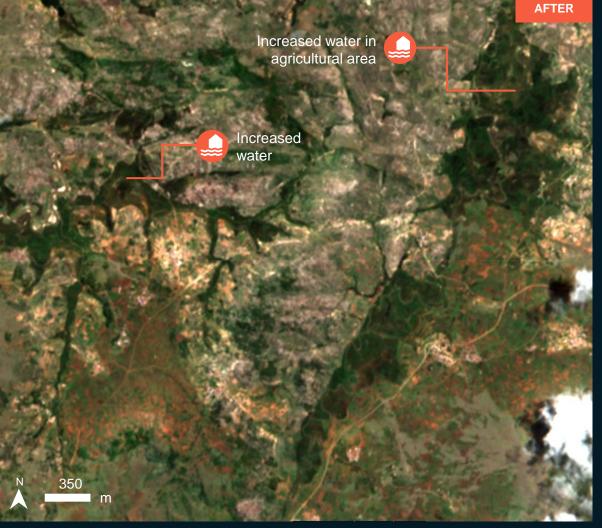
Image center: 46°55'15.931"E 19°44'49.796"S





Increased water in agricultural areas





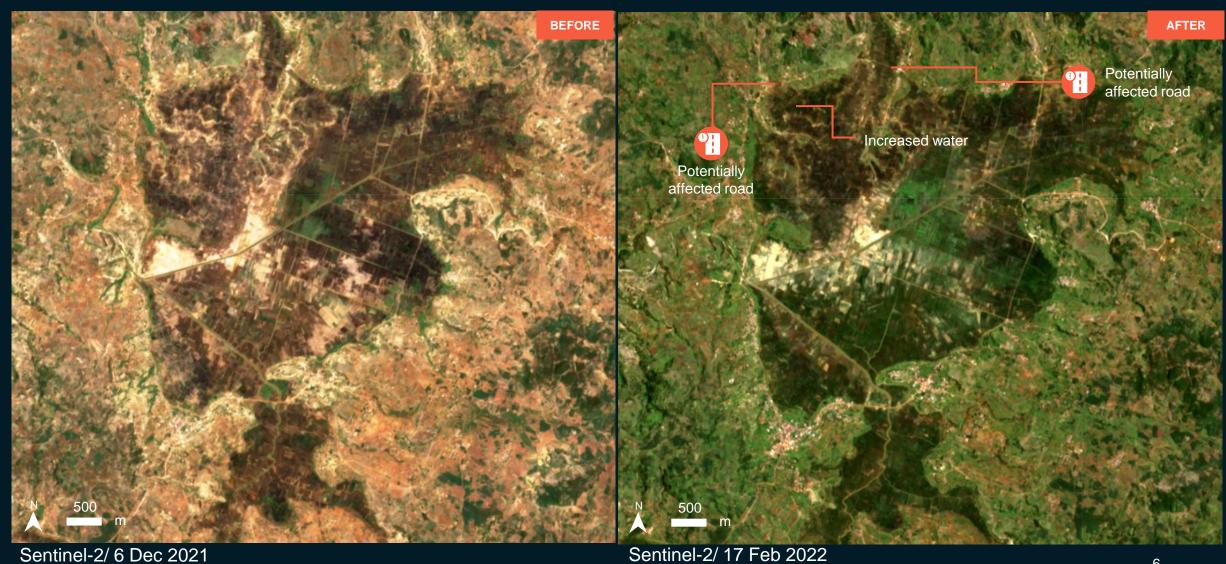
BETAFO DISTRICT, VAKINANKARATRA REGION

Image center: 46°57'41.052"E 19°31'50.254"S





Increased water and potentially affected roads



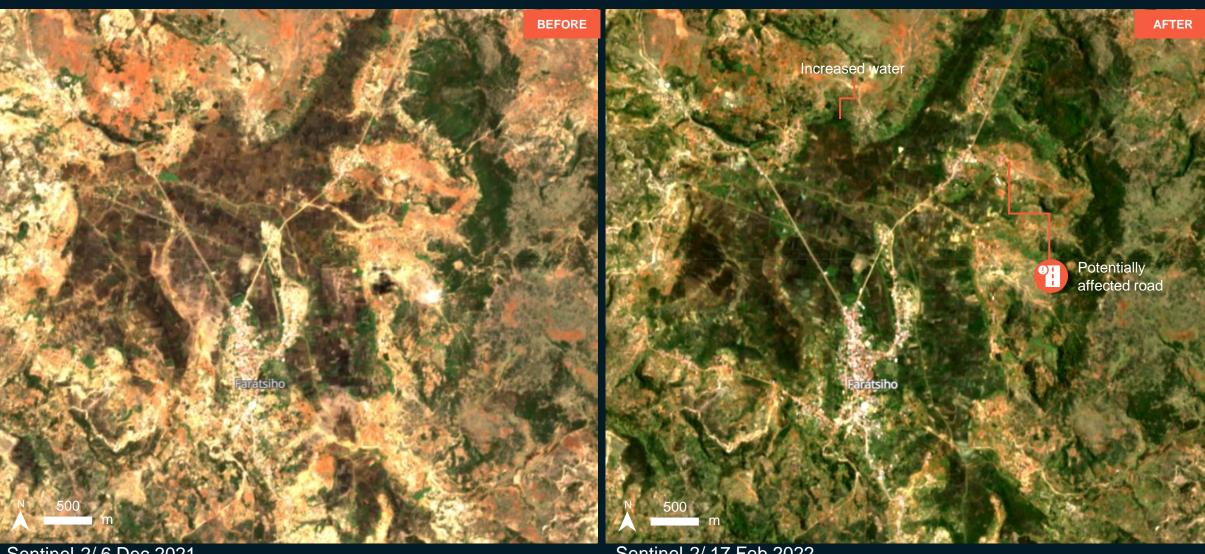
FARATSIHO TOWN, FARATSIHO DISTRICT, VAKINANKARATRA REGION

Image center: 46°57'19.289"E 19°23'44.253"S





Increased water and potentially affected road



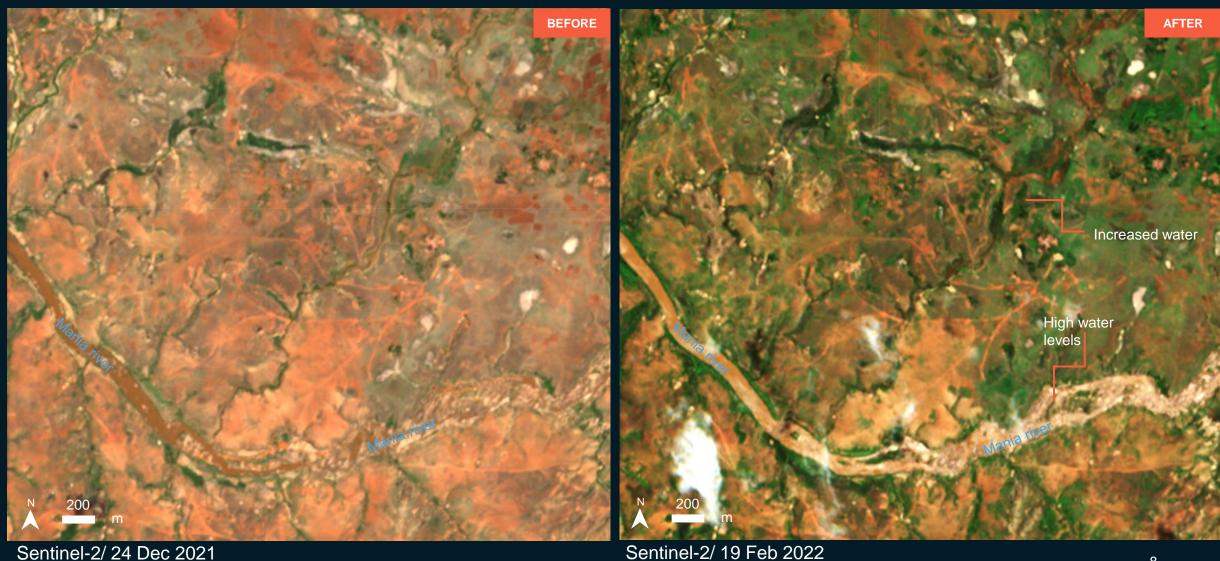
AMBATOFINANDRAHANA DISTRICT, AMORON I MANIA REGION

Image center: 46°41'37.334"E 20°15'52.167"S





Increased water of Mania river



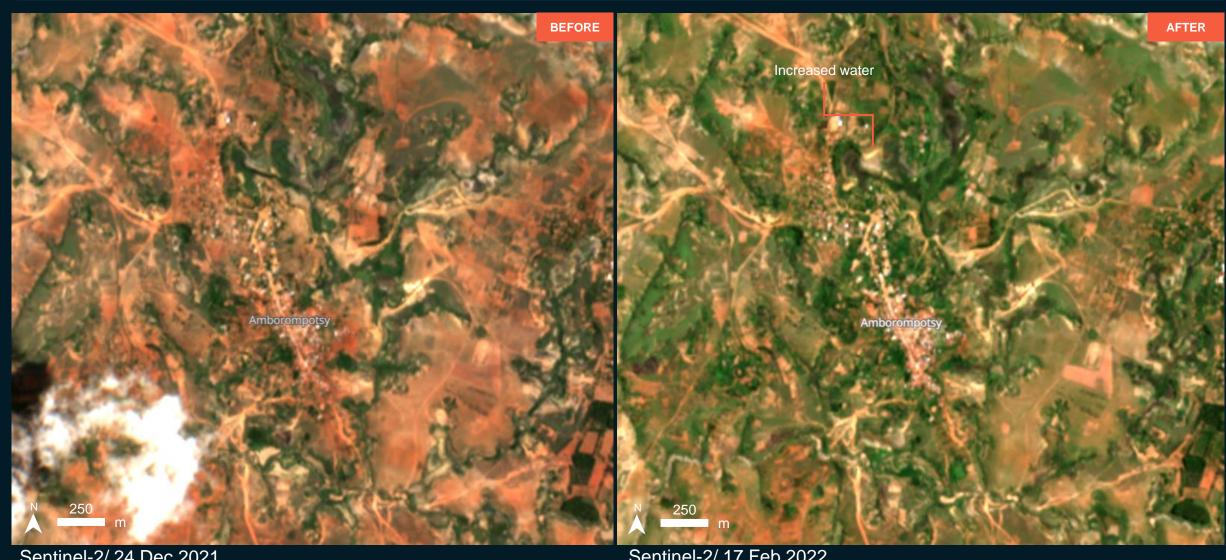
AMBOROMPOTSY TOWN, AMBATOFINANDRAHANA DISTRICT, AMORON I MANIA REGION

Image center: 46°14'54.477"E 20°36'32.875"S





Increased water



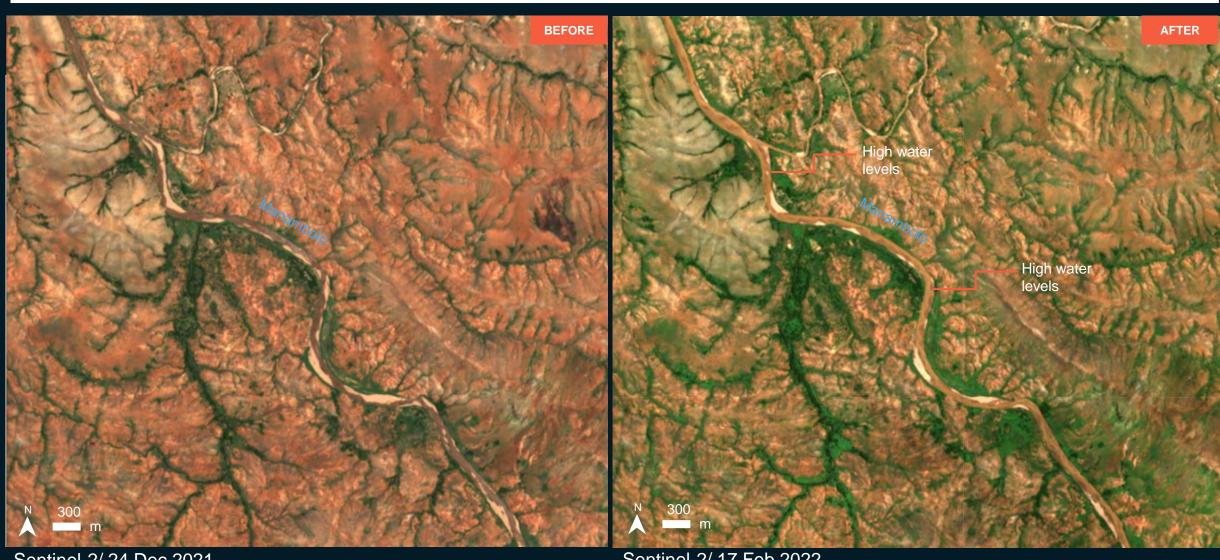
AMBATOFINANDRAHANA DISTRICT, AMORON I MANIA REGION

Image center: 45°55'4.441"E 20°17'33.814"S





Increased water of Manambolo river



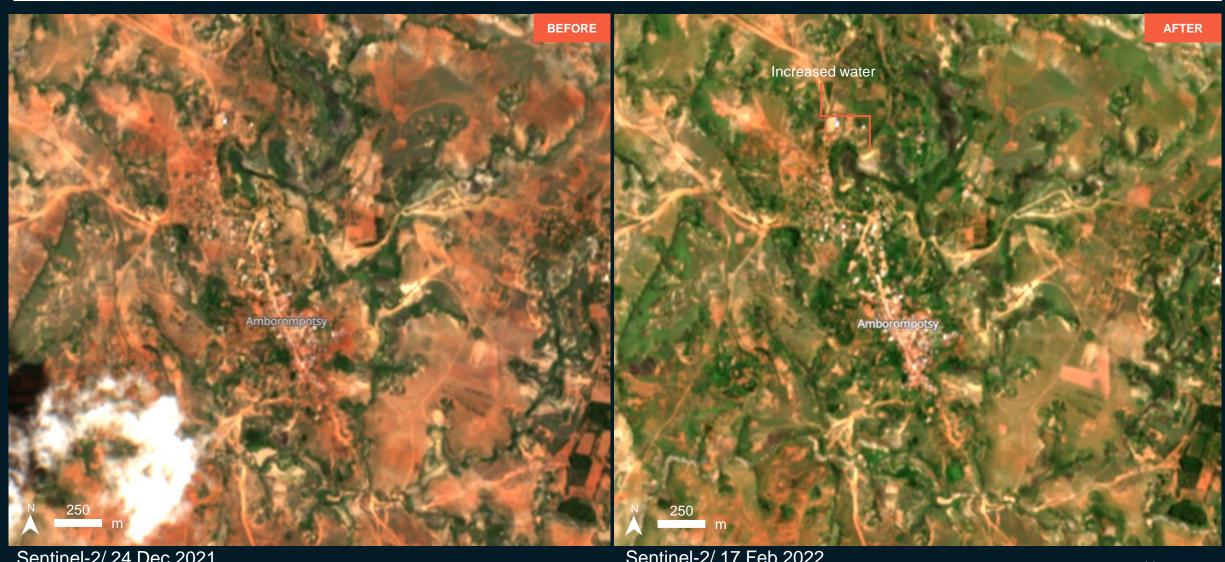
AMBOROMPOTSY TOWN, AMBATOFINANDRAHANA DISTRICT, AMORON I MANIA REGION

Image center: 46°14'54.477"E 20°36'32.875"S





Increased water



SUMMARY OF FINDINGS



- No flood observed in Betafó town, Betafo district, Vakinankaratra region, as of 19 Feb 2022;
- Increased water in agricultural areas and potentially affected road in Betafo district, Vakinankaratra region, as of 19 Feb 2022;
- Increased water in agricultural areas and potentially affected road In Faratsiho Town, Faratsiho District, Vakinankaratra Region, as of 17 Feb 2022;
- Increased water level of Mania river in Ambatofinandrahana district, Amoron I Mania region observed as of 19 Feb 2022;
- Increased water level of Manambolo river in Ambatofinandrahana district, Amoron I Mania region, observed as of 17 Feb 2022;
- Increased water observed in Amborompotsy town, Ambatofinandrahana District, Amoron I Mania Region, as of 17 Feb 2022;

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Data sources:

(1) Satellite Image (Post-event)

Satellite: Sentinel-2A

Imagery Date: 17 February 2022 at 10:12 local time

Satellite: Sentinel-2B

Imagery Date: 19 February 2022 at 10:00 local time

Resolution: 10 cm

Copyright: Contains modified Copernicus Sentinel data [2022]

Source: ESA

(2) Satellite Image (Pre-event)

Satellite: Sentinel-2A and Sentinel-2B

Imagery Date: 16 and 24 December 2021

Resolution: 10 cm

Copyright: Contains modified Copernicus Sentinel data [2021]

Source: ESA

(3) Ancillary data

Administrative boundaries: Madagascar National Disaster Manag

ement Office (BNGRC)

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







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