Preliminary satellite derived flood assessment in Niamey, Maradi & Agadez Regions, Niger
Areas of Interest (AOIs)

AOI 1: Niamey

AOI 2: Maradi

AOI 3: Agadez
AOI 1: Niamey Region, Niger

Sentinel-2 false color composite acquired on 17 Aug 2019

Pre-flood situation

Source: EO-browser sentinel-hub
Flooded areas close to urban zone and several agricultural fields along the river seem to be flooded.
AOI 2: Maradi Region, Niger

Source: EO-browser sentinel-hub
AOI 2: Maradi Region, Niger

Sentinel-1 Radar Image acquired on 05 Sep 2019

No fluvial overbank flow observed.
Situation assessment in Agadez as of 04 Sep 2019
Waters have receded from several zones of Agadez (e.g. Agadez hospital) as of 04 September 2019

Standing waters in the vicinity of Agadez hospital
AOI 3: Agadez Region, Niger

Worldview-3 VNIR Pan sharpened natural color acquired on 04 Sep 2019: Post-flood situation

Airport appears to be operational as of 04 Sep 2019

Standing waters in the vicinity of runway
Worldview-3 VNIR Pan sharpened natural color acquired on 04 Sep 2019: Post-flood situation

Standing waters in the vicinity of Agadez airport

Waters have receded from several zones around the runway as of 04 September 2019
Agricultural fields north of Agadez along the Teloua river were unaffected on 04 September 2019.
Niamey – Several inundated areas affecting agricultural fields and that were observed very close to urban zones seem to be under the threat of floods along the Niger;

Maradi Region – The most recent image on from September shows that waters receded compared with the situation observed on 31 Aug 2019;

Agadez Region – Waters have receded from several zones of Agadez city and no critical facilities appear to be still affected. However, there are still standing waters within the city and its surroundings as of 04 September 2019.