



Flooding frequency in Thanh Chuong district of Viet Nam was calculated for the period 2017-2021 to assess the impact on cropland and agricultural production. The flood extent was created using a change detection approach on Sentinel-1 (SAR) data. The results were obtained at 10m spatial resolution.

Source: United Nations. 2020. Map of the world [online]. [Cited July 2022]

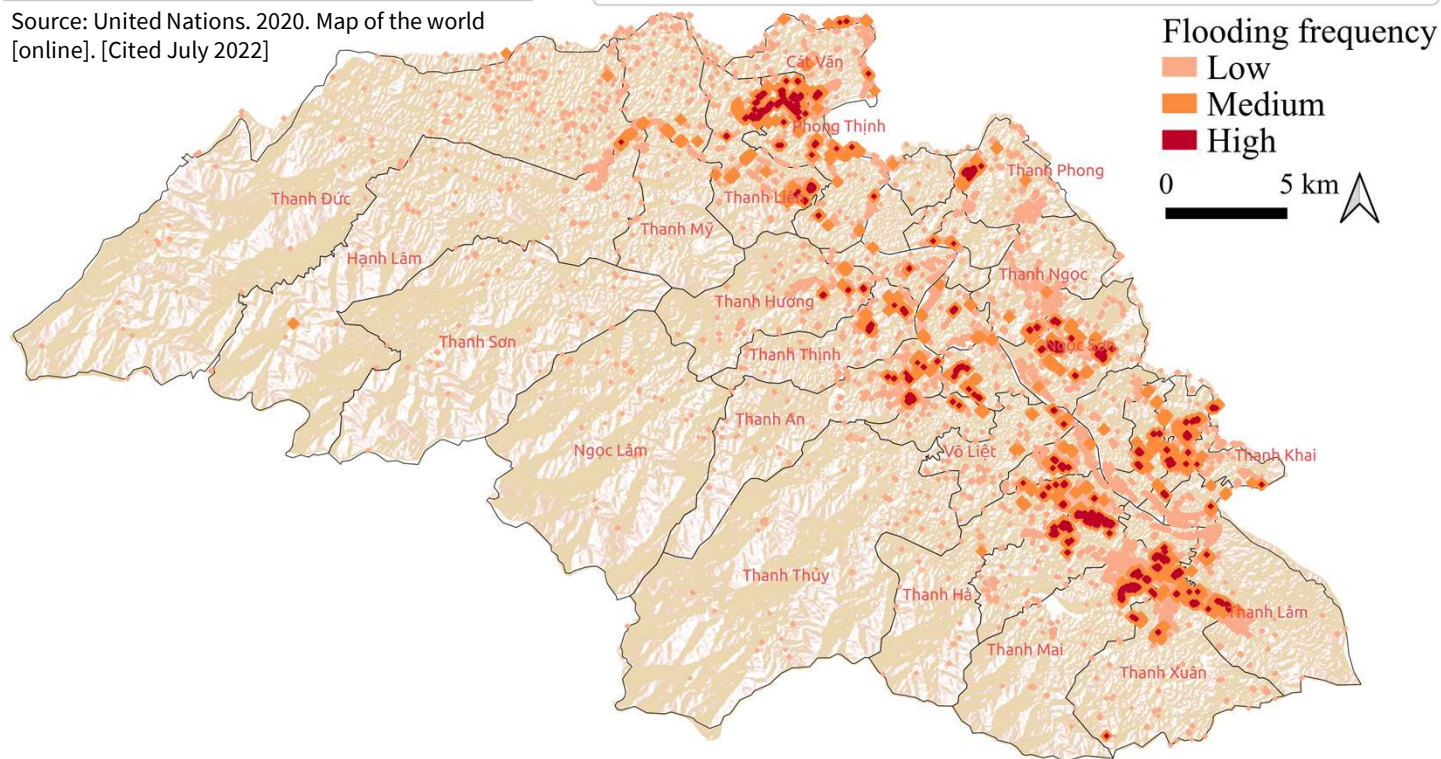


Figure 1: Extent of flooding frequency (low, medium and high) (in 10m x 10m grid) in Thanh Chuong for the period 2017-2021 in Viet Nam¹

Table 1: Extent of flood in Thanh Chuong district

	Townlets	Flood (ha)			Total (ha)	Percent
		Low	Medium	High		
Top four	Thanh Xuan	264.7	40.2	7.3	312.3	7.6
	Thanh Mai	194.2	20.3	18.2	232.6	5.2
	Ngoc Son	196.1	20.5	14.1	230.7	10.2
	Thanh Lam	176.6	20.6	2.2	199.4	5.5
Bottom four	Thanh Chuong	3.3	0.0	0.0	3.3	1.3
	Thanh Son	5.2	0.0	0.0	5.2	0.1
	Ngoc Lam	5.5	0.0	0.0	5.5	0.1
	Thanh Hung	8.0	0.0	0.0	8.0	1.3

Key Findings

- During the period 2017-2021, the total flooded land area is 3 220ha which represents 2.87% of total land area.
- Most affected townlets by flood are Thanh Xuan, Thanh Mai, Ngoc Soc, Thanh Lam.

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Prepared by Shrijwal Adhikari, Amit Ghosh, Fatima Mushtaq, Beau Damen, Matieu Henry in close collaboration with World Agroforestry (ICRAF) and Asian Institute of Technology (AIT) for Monitoring of geospatial indicators for nature-based solutions. Food and Agriculture Organization of United Nations, Rome, Italy.

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