

# LAO PEOPLE'S DEMOCRATIC REPUBLIC

## VIENTIANE CAPITAL

IMAGERY ANALYSIS: 13/09/2024 PUBLISHED 16/09/2024 V1



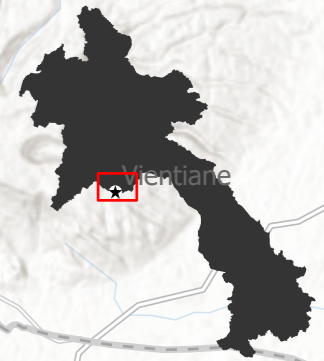
ANALYSED AREA  
~7,000km<sup>2</sup>

POPULATION IN ANALYSED AREA  
~1.2 M

FLOOD EXTENT  
~180km<sup>2</sup>

POPULATION POTENTIALLY EXPOSED TO FLOODS  
~31,000

**FLOOD**  
FL20240913LAO



LAO PDR

**Satellite detected water extents in Vientiane Capital, Lao PDR as of 13 September 2024**

This map illustrates the floods using Sentinel-1 images acquired on 13 September 2024 at 18:12 local time. Within the analysed area of about 7,000 km<sup>2</sup>, a total of about 180 km<sup>2</sup> of land appears to be affected by flood waters.

Based on Worldpop spatial demographic data, about 31,000 people are exposed or living close to flooded areas.

This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to the United Nations Satellite Centre (UNOSAT).

### Legend

- Airport
- City / Town
- International boundary
- Province boundary
- District boundary
- Permanent water
- Analysis extent
- Satellite detected water [13 Sep. 2024]

Province / District	Total area in analysis extent (km <sup>2</sup> )	Flood water extent [13 Sep. 2024] (km <sup>2</sup> )	Total population in analysis extent	Population potentially exposed to floods [13 Sep. 2024]
<b>Vientiane</b>	<b>2,925</b>	<b>64</b>	<b>170,414</b>	<b>2,369</b>
Hinherb	756	1	29,806	173
Keo Oudom	514	28	16,969	460
Phonhong	585	3	50,724	259
Thoulakhom	783	15	44,836	830
Vangvieng	137	14	1,751	274
Viengkham	150	2	26,329	373
<b>Vientiane Capital</b>	<b>3,186</b>	<b>82</b>	<b>973,800</b>	<b>27,552</b>
Chanthabuly	26	1	75,265	1,414
Hadxaifong	224	18	98,849	7,351
Mayparkngum	427	13	41,207	1,634
Naxaithong	900	12	83,062	1,684
Sangthong	470	14	33,972	1,630
Sikhottabong	146	5	132,720	6,563
Sisattanak	26	1	80,346	1,321
Xaysetha	134	4	160,914	2,190
Xaythany	833	16	267,465	3,765
<b>Xaisomboon</b>	<b>702</b>	<b>31</b>	<b>8,665</b>	<b>1,080</b>
Anouvong	32	1	948	197
Longsane	669	29	7,718	883
<b>Total</b>	<b>6,812</b>	<b>177</b>	<b>1,152,880</b>	<b>31,001</b>

Spatial Reference  
Name: WGS 1984 UTM Zone 48N  
PCS: WGS 1984 UTM Zone 48N  
GCS: GCS WGS 1984  
Datum: WGS 1984

Satellite (Post): Sentinel-1  
Image Date: 13 September 2024 at 11:12 UTC  
Resolution: 10 m  
Copyright: Contains modified Copernicus Sentinel data [2024]  
Source: ESA

Satellite (Pre): Sentinel-1  
Image Date: 9 June 2024  
Resolution: 10 m  
Copyright: Contains modified Copernicus Sentinel data [2024]  
Source: ESA

Administrative boundaries: National Geographic Department (NGD)  
Contributed by UNOCHA (ROAP) to HDX  
Population data: Worldpop unconstrained UN adjusted (2020), 100 m spatial resolution  
Reference water: ESA WorldCover 2021  
Background: ESRI World Terrain Reference

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

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