



MOLAVE-20 - Population Exposure Estimation based on bulletin n. 18

The population exposure, summarized by Admin 0, 1 and 2, has been calculated using a 1 km resolution LandScan raster (LandScan Database 2018). Admin boundaries are defined by Gaul 2015 dataset. Windspeed buffers are produced by GDACS (JRC). This is a preliminary analysis and has not yet been validated in the field.

Analysis performed by ADAM (Automated Disaster Analysis and Mapping) on 28-10-2020 at 09:37 UTC
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admin0	admin1	admin2	population			Total	
			60km/h	90km/h	120km/h		
CAMBODIA	Preah Vihear	Chhaeb	7,544			7,544	
		Choam Khsant	2,831			2,831	
	Ratanak Kiri	Andoung Meas	14,915			14,915	
		Bar Kaev	27,951			27,951	
		Koun Mom	1,597			1,597	
		Krong Ban Lung	38,649			38,649	
		Lumphat	2,259			2,259	
		Ou Chum	26,027			26,027	
		Ou Ya Dav	11,872			11,872	
		Ta Veaeng	8,290			8,290	
		Veun Sai	22,504			22,504	
		Stung Treng	Krong Stueng Traeng	1,151			1,151
	Sesan		699			699	
	Siem Pang		22,229			22,229	
	Thala Barivat		2,097			2,097	
	CAMBODIA - TOT			190,615			190,615
	LAO PEOPLE'S DEMOCRATIC REPUBLIC	Attapu	Phouvong	13,632			13,632
Samakkhixay			25,518			25,518	
Sanamxay			34,756			34,756	
Sanxay			3,417	12,390		15,807	
Xaysetha			59,567	13,171		72,738	
Champasak		Bachiangchaleunsook	20,495	4,316		24,811	
		Champassack	80,642			80,642	
		Khong	121,863			121,863	
		Moonlapamok	60,876			60,876	
		Paksong	28,322	16,168		44,490	
		Pakxe	140,221			140,221	
		Pathoomphone	58,253			58,253	
		Phonthong	87,635			87,635	
		Sanasomboon	41,570	11,797		53,367	
		Sukhuma	78,084			78,084	
		Khammouan	Bualapha	32,537			32,537
			Hinboon	5,852			5,852
			Mahaxay	37,022			37,022
			Nakai	1,989			1,989
Nhommalath			25,229			25,229	
Nongbok			84,085			84,085	
Thakhek			119,300			119,300	
Xaybuathong			25,369			25,369	
Xebangfay			36,202			36,202	
Salavan			Khongxedone	207	58,532		58,739
		Lakhonepheng		70,886	12,094	82,980	
		Lao Ngarm		16,611		16,611	
		Samuoi	926	1,971		2,897	
		Saravane		16,104	125,564	141,668	
		Ta Oi		14,200	7,737	21,937	
		Toomlarn		13,903	40,024	53,927	
		Vapy		22,931	22,651	45,582	
Savannakhet		Atsaphangthong	61,456			61,456	
		Atsaphone	48,516			48,516	
		Champhone	122,999			122,999	
		Kaysone Phomvihane	146,416			146,416	
		Nong	12,228	5,848		18,076	
		Outhoomphone	79,039			79,039	
		Phine	52,429	21,230		73,659	
		Sepone	31,330			31,330	
		Songkhone	85,663	30,106		115,769	
		Thapangthong		46,082	43,020	89,102	
		Thaphalanxay	52,494			52,494	
		Vilabuly	21,152			21,152	
		Xaybuly	60,051			60,051	
		Xayphoothong	50,360			50,360	
		Xonbuly	73,371	9,261		82,632	
Xekong		Dakcheung		9,363	16,590	25,953	
		Kaleum		6,779	10,939	17,718	
		Lamarm		34,190	5,580	39,770	
		Thateng		14,490		14,490	
LAO PEOPLE'S DEMOCRATIC REPUBLIC - TOT			2,121,073	450,329	284,199	2,855,601	

PHILIPPINES	National Capital region (NCR)	Metropolitan Manila	9,264,395	4,525,937		13,790,332	
	Region I (Ilocos region)	Pangasinan	1,050,372			1,050,372	
	Region III (Central Luzon)	Aurora	39,701			39,701	
		Bataan	564,167	194,118		758,285	
		Bulacan	3,323,045			3,323,045	
		Nueva Ecija	1,935,429			1,935,429	
		Pampanga	2,557,227			2,557,227	
		Tarlac	1,411,106			1,411,106	
		Zambales	782,267			782,267	
	Region IV (Southern Tagalog)	Marinduque			232,656	232,656	
		Mindoro Occidental		312,300	167,301	479,601	
		Mindoro Oriental		197,088	668,916	866,004	
		Palawan	123,667	70,086		193,753	
		Romblon		271,089	9,496	280,585	
	Region IV-A (Calabarzon)	Batangas		2,751,732	5,304	2,757,036	
		Cavite		3,896,679		3,896,679	
		Laguna	116	3,174,666		3,174,782	
		Quezon	214,684	1,647,831	278,928	2,141,443	
		Rizal	1,618,657	1,201,832		2,820,489	
	Region V (Bicol region)	Albay		1,347,221		1,347,221	
		Camarines Norte	3,970	579,212	4,350	587,532	
		Camarines Sur		734,279	1,283,092	2,017,371	
		Catanduanes		234,619		234,619	
		Masbate	756,774	82,498	9,140	848,412	
		Sorsogon	7,408	742,389		749,797	
	Region VI (Western Visayas)	Aklan	576,440	23,703		600,143	
		Antique	429,689	21,803		451,492	
		Capiz	780,613			780,613	
		Iloilo	1,499,476			1,499,476	
	Region VII (Central Visayas)	Cebu	11			11	
	Region VIII (Eastern Visayas)	Biliran	157,409			157,409	
		Eastern Samar	245,594			245,594	
		Leyte	64,753			64,753	
		Northern Samar	584,240	22,386		606,626	
		Samar	644,553			644,553	
	PHILIPPINES - TOT			28,635,763	22,031,468	2,659,183	53,326,414
	THAILAND	Amnat Charoen	Chanuman	26,887			26,887
			Hua Taphan	38,115			38,115
			Lu Amnat	28,312			28,312
			Muang Amnat Charoen	98,392			98,392
			Pathum Ratchawongsa	32,582			32,582
Phana			22,036			22,036	
Senangkhanikhom			30,400			30,400	
Buriram		Ban Mai Chaiyaphot	22,246			22,246	
		Khu Muang	26,433			26,433	
		Krasang	6,238			6,238	
		Muang Buri Ram	1,267			1,267	
		Na Pho	28,057			28,057	
		Phutthaisong	38,968			38,968	
		Satuk	112,578			112,578	
Chaiyaphum		Ban Thaen	37,680			37,680	
		Kaeng Khro	76,181			76,181	
		Kaset Sombun	6,290			6,290	
		Khon San	6,136			6,136	
		Khon Sawan	47,622			47,622	
		Muang Chaiyaphum	14,540			14,540	
		Phu Khieo	102,368			102,368	
Kalasin		Huai Mek	39,891			39,891	
		Huai Phung	25,397			25,397	
		Kamalasai	77,078			77,078	
		Kham Muang	58,362			58,362	
		Khao Wong	56,291			56,291	
		Kuchinarai	88,299			88,299	
		Muang Kalasin	140,736			140,736	
		Na Mon	30,364			30,364	
		Nong Kung Si	53,338			53,338	
		Rong Khum	13,306			13,306	
		Sahatsakhan	34,216			34,216	
		Somdet	50,170			50,170	
		Tha Khantho	29,673			29,673	
		Yang Talat	107,287			107,287	
Khon Kaen		Ban Fang	52,893			52,893	
		Ban Phai	162,167			162,167	
		Chonnabot	50,546			50,546	
		Chum Phae	98,866			98,866	
		Khao Suan Kwang	35,024			35,024	
		Kranuan	100,771			100,771	
	Mancha Khiri	100,474			100,474		
	Muang Khon Kaen	361,914			361,914		
	Nam Phong	113,444			113,444		
	Nong Rua	92,100			92,100		
	Nong Song Hong	77,883			77,883		
	Phon	89,412			89,412		
	Phra Yun	34,329			34,329		
	Phu Wiang	113,984			113,984		

	Puai Noi	19,852		19,852
	Si Chomphu	65,302		65,302
	Ubol Ratana	43,002		43,002
	Waeng Noi	42,206		42,206
	Waeng Yai	29,229		29,229
Maha Sarakham	Borabu	128,309		128,309
	Chiang Yun	76,165		76,165
	Kae Dam	25,759		25,759
	Kantharawichai	63,889		63,889
	Kosum Phisai	106,026		106,026
	Muang Maha Sarakham	132,271		132,271
	Na Chuak	52,530		52,530
	Na Dun	32,817		32,817
	Phayakkhaphum Phisai	108,155		108,155
	Wapi Payhum	100,238		100,238
	Mukdahan	Don Tan	42,636	
Dong Luang		35,094		35,094
Khumcha-i		49,117		49,117
Muang Mukdahan		132,668		132,668
Nikom Kham Soi		44,335		44,335
Nong Sung		22,268		22,268
Wan Yai		18,808		18,808
Nakhon Phanom	Muang Nakhon Phanom	129,241		129,241
	Na Kae	72,538		72,538
	Na Wa	30,025		30,025
	Phon Sawan	41,408		41,408
	Pla Pak	39,151		39,151
	Renu Nakhon	35,696		35,696
	Sri Songkhram	16,822		16,822
	Tha Uthen	23,160		23,160
	That Phanom	66,585		66,585
Nakhon Ratchasima	Bua Yai	90,305		90,305
	Chum Phuang	41,904		41,904
	Kaeng Sanam Nang	14,411		14,411
	Non Daeng	3,409		3,409
	Phimai	2,432		2,432
Nong Bua Lamphu	Prathai	74,484		74,484
	Muang Nong Bua Lamphu	86,407		86,407
	Non Sang	60,276		60,276
Roi Et	Si Bun Ruang	57,726		57,726
	At Samat	60,444		60,444
	Chang Han	42,006		42,006
	Chaturaphak Phiman	68,194		68,194
	Kaset Wisai	82,252		82,252
	Moeiwadi	17,711		17,711
	Muang Roi Et	124,406		124,406
	Muang Suang	19,566		19,566
	Nong Phok	52,255		52,255
	Pathum Rat	42,388		42,388
	Phanom Phrai	86,809		86,809
	Pho Chai	43,442		43,442
	Phon Sai	21,462		21,462
	Phon Thong	85,781		85,781
	Selaphum	101,292		101,292
	Si Somdet	30,686		30,686
	Suwannaphum	95,458		95,458
Sakon Nakhon	Thawatchaburi	102,700		102,700
	Akat Amnuai	13,789		13,789
	Khok Si Suphan	27,996		27,996
	Kusuman	36,498		36,498
	Kut Bak	57,066		57,066
	Muang Sakon Nakhon	152,088		152,088
	Nikhum Nam Un	12,539		12,539
	Phang Khon	43,988		43,988
	Phanna Nikhom	66,229		66,229
	Phon Na Kaeo	28,822		28,822
	Sawang Daen Din	92,440		92,440
	Song Dwao	26,601		26,601
	Tao Ngoi	20,353		20,353
	Wanon Niwat	25,118		25,118
Si Saket	Waritchaphum	42,390		42,390
	Bung Bun	7,833		7,833
	Huai Thap Than	28,701		28,701
	Kantharalak	165,811		165,811
	Kanthararom	72,989		72,989
	Khukhan	87,858		87,858
	Khun Han	67,554		67,554
	Muang Chan	13,146		13,146
	Muang Si Sa Ket	125,079		125,079
	Nam Kliang	30,850		30,850
	Non Khun	26,550		26,550
	Phrai Bung	34,252		34,252
	Prang Ku	50,370		50,370
Rasi Salai	75,094		75,094	
Si Rattana	37,011		37,011	

		Uthumphon Phisai	97,079			97,079	
		Wang Hin	32,644			32,644	
		Yang Chum Noi	26,435			26,435	
	Surin	Chom Phra	49,288			49,288	
		Chumphon Buri	54,454			54,454	
		Muang Surin	52,753			52,753	
		Rattanaaburi	103,937			103,937	
		Samrong Thap	43,628			43,628	
		Sangkha	9,437			9,437	
		Sanon	37,022			37,022	
		Sikhoraphum	98,534			98,534	
		Tha Tum	80,592			80,592	
		Ubon Ratchathani	Buntharik	83,746			83,746
			Det Udom	158,873			158,873
			Don Mot Daeng	25,669			25,669
			Khemarat	97,848	8,445		106,293
	Khong Chiam		23,924	5,397		29,321	
	Khuang Nai		107,949			107,949	
	Kut Khaopun		39,768			39,768	
	Muang Samsip		78,712			78,712	
	Muang Ubon Ratchathani		240,493			240,493	
	Na Chaluai		51,432			51,432	
	Na Yia		23,555			23,555	
	Nam Yun		93,109			93,109	
	Phibun Mangsahan		128,290			128,290	
	Pho Sai		23,342	15,481		38,823	
	Samrong		49,869			49,869	
	Si Muang Mai		56,474	4,168		60,642	
	Sirinthon		42,974			42,974	
	Tan Sum		27,030			27,030	
	Trakan Phutphon		147,015			147,015	
	Warin Chamrap		178,284			178,284	
	Udon Thani	Chaiwan	30,826			30,826	
		Kumphawapi	127,216			127,216	
		Muang Udon Thani	175,490			175,490	
		Non Sa-at	40,032			40,032	
		Non Saeng	22,062			22,062	
		Nong Han	111,461			111,461	
		Nong Wua So	48,489			48,489	
		Si That	38,932			38,932	
		Thung Fon	9,238			9,238	
		Wang Sam Mo	44,664			44,664	
	Yasothon	Kham Khuan Kaeo	64,238			64,238	
		Kho Wang	23,561			23,561	
		Kut Chum	58,740			58,740	
		Loeng Nok Tha	81,550			81,550	
		Maha Chana Chai	53,400			53,400	
		Muang Yasothon	113,538			113,538	
		Pa Tiu	31,334			31,334	
		Sai Mun	28,188			28,188	
		Thai Charoen	25,228			25,228	
	THAILAND - TOT		11,386,412	33,491		11,419,903	
VIET NAM	Binh Dinh	An Lao		26,154	21	26,175	
		An Nhon		195,249		195,249	
		Hoai Nhon		217,736	3,872	221,608	
		Hoai an		91,994		91,994	
		Phu Cat		210,311		210,311	
		Phu My		182,710		182,710	
		Qui Nhon City		290,839		290,839	
		Tay Son	64	134,010		134,074	
		Tuy Phuoc		185,423		185,423	
		Van Canh	9,914	16,205		26,119	
		Vinh Thanh		30,007		30,007	
		Da Nang City	Hai Chau		259,208		259,208
			Hoa Vang		239,517		239,517
	Lien Chieu			166,947		166,947	
	Ngu Hanh Son			76,724		76,724	
	Son Tra			147,982		147,982	
	Thanh Khe			186,770		186,770	
	Dak Lak	Cu M'gar	27,367			27,367	
		Ea H'leo	135,221			135,221	
		Ea Kar	158,585			158,585	
		Ea Sup	6,620			6,620	
		Krong A Na	347			347	
		Krong Bong	66,195			66,195	
		Krong Buk	173,966			173,966	
		Krong Nang	134,172			134,172	
		Krong Pak	199,206			199,206	
		Lak	59			59	
		M'Drak	74,549			74,549	
	Gia Lai	An Khe township	32,695	40,741		73,436	
		Ayun Pa	124,831			124,831	
		Chu Pah	76,459			76,459	
		Chu Prong	113,079			113,079	
		Chu Se	194,327			194,327	

	Dak Doa	112,669	53		112,722
	Dak Po	44,389	1		44,390
	Duc Co	71,998			71,998
	Ia Grai	106,721			106,721
	Ia Pa	54,765			54,765
	KBang	20,438	50,989		71,427
	Kong Chro	49,451			49,451
	Krong Pa	91,361			91,361
	Mang Yang	61,228			61,228
	Pleiku Township	239,246			239,246
Khanh Hoa	Cam Ranh Township	225,726			225,726
	Dien Khanh	154,560			154,560
	Khanh Son	23,075			23,075
	Khanh Vinh	37,112			37,112
	Nha Trang City	427,295			427,295
	Ninh Hoa	250,338			250,338
	Van Ninh	129,453			129,453
Kon Tum	Dak Glei		46,973	253	47,226
	Dak Ha	68,385	6,586		74,971
	Dak To	35,471	38,148		73,619
	Kon Plong		26,389		26,389
	Kon Ray	11,681	14,726		26,407
	Kon Tum Township	173,620			173,620
	Ngoc Hoi	36,414	13,781		50,195
	Sa Thay	51,104			51,104
Lam Dong	Lac Duong	535			535
Ninh Thuan	Bac Ai	8,040			8,040
	Ninh Hai	33,837			33,837
Phu Yen	Dong Xuan	63,798	1		63,799
	Phu Hoa	113,859			113,859
	Son Hoa	57,509			57,509
	Song Cau	30,883	75,731		106,614
	Song Hinh	43,509			43,509
	Tuy An	131,309			131,309
	Tuy Hoa	251,861			251,861
	Tuy Hoa Township	165,331			165,331
Quang Binh	Bo Trach	190,192			190,192
	Dong Hoi City	121,119			121,119
	Le Thuy	152,887			152,887
	Minh Hoa	3,336			3,336
	Quang Ninh	93,572			93,572
	Quang Trach	307			307
	Tuyen Hoa				
Quang Nam	Bac Tra My			42,053	42,053
	Dai Loc		159,038	4,451	163,489
	Dien Ban		215,351		215,351
	Dong Giang		22,325	3,413	25,738
	Duy Xuyen		120,474	10,485	130,959
	Hiep Duc			42,582	42,582
	Hoi An		200		200
	Hoi An Township		100,256		100,256
	Nam Giang		41	24,452	24,493
	Nam Tra My		20,459	7,740	28,199
	Nui Thanh			147,349	147,349
	Phuoc Son		51	24,956	25,007
	Que Son		32,829	92,346	125,175
	Tam Ky Township			206,640	206,640
	Tay Giang		7,197	10,922	18,119
	Thang Binh		31,557	161,431	192,988
Tien Phuoc			76,212	76,212	
Quang Ngai	Ba To		45,233	10,748	55,981
	Binh Son			187,567	187,567
	Duc Pho		220	146,733	146,953
	Ly Son			15,767	15,767
	Minh Long		79	17,039	17,118
	Mo Duc			136,539	136,539
	Nghia Hanh			97,059	97,059
	Quang Ngai Township			121,922	121,922
	Son Ha		35,765	38,204	73,969
	Son Tay		19,188		19,188
	Son Tinh			199,500	199,500
	Tay Tra			16	19,184
	Tra Bong				32,307
	Tu Nghia				183,368
Quang Tri	Cam Lo	49,227			49,227
	Da Krong	40,814	677		41,491
	Dong Ha Township	91,105			91,105
	Gio Linh	77,165			77,165
	Hai Lang	96,854			96,854
	Huong Hoa	83,572			83,572
	Quang Tri Township	23,043			23,043
	Trieu Phong	102,342			102,342
	Vinh Linh	96,571			96,571
Thua Thien - Hue	A Luoi	3,379	37,497		40,876
	Hue City	381,130			381,130

		Huong Thuy	101,483	2,458		103,941
		Huong Tra	127,205	427		127,632
		Nam Dong		24,977		24,977
		Phong Dien	103,528			103,528
		Phu Loc	63,009	101,714		164,723
		Phu Vang	151,779			151,779
		Quang Dien	89,365			89,365
		VIET NAM - TOT	7,147,611	3,949,934	2,065,115	13,162,660
		All - TOT	49,481,474	26,465,222	5,008,497	80,955,193