



MOLAVE-20 - Population Exposure Estimation based on bulletin n. 14

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 27-10-2020 at 08:01 UTC
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admin0	admin1	admin2	population			Total	
			60km/h	90km/h	120km/h		
CAMBODIA	Kampong Thom	Prasat Ballangk	112			112	
		Prasat Sambour	27			27	
		Sandan	51,553			51,553	
		Santuk	149			149	
		Chhloung	249			249	
	Kratie	Krong Kracheh	100,890			100,890	
		Preaek Prasab	42,807			42,807	
		Sambour	68,733			68,733	
		Snuol	44,695			44,695	
		Kaev Seima	25,345			25,345	
	Mondul Kiri	Kaoh Nheaek	20,224			20,224	
		Krong Saen Monourom	16,586			16,586	
		Ou Reang	7,479			7,479	
		Pech Chreada	13,855			13,855	
		Anlong Veang	57,041			57,041	
	Otdar Meanchey	Banteay Ampil	400			400	
		Chong Kal	1,173			1,173	
		Krong Samraong	39,623			39,623	
		Trapeang Prasat	42,130			42,130	
		Chey Saen	31,612			31,612	
	Preah Vihear	Chhaeb	26,412			26,412	
		Choam Khsant	38,719			38,719	
		Kuleaen	38,289			38,289	
		Rovieng	52,345			52,345	
		Sangkum Thmei	24,294			24,294	
		Tbaeng Mean Chey	47,196			47,196	
		Andoung Meas	14,724			14,724	
	Ratanak Kiri	Bar Kaev	27,940			27,940	
		Koun Mom	22,184			22,184	
		Krong Ban Lung	38,650			38,650	
		Lumphat	23,694			23,694	
		Ou Chum	26,042			26,042	
		Ou Ya Dav	22,615			22,615	
		Ta Veang	7,254	1,029	215	8,498	
		Veun Sai	22,556			22,556	
		Chi Kraeng	286			286	
	Siem Reap	Svay Leu	13,186			13,186	
		Varin	7,114			7,114	
		Krong Stueng Traeng	38,934			38,934	
	Stung Treng	Sesan	21,119			21,119	
		Siem Bouk	16,799			16,799	
		Siem Pang	22,087			22,087	
		Thala Barivat	38,917			38,917	
				1,156,039	1,029	215	1,157,283
	LAO PEOPLE'S DEMOCRATIC REPUBLIC	Attapu	Phouvong	4,070	8,385	715	13,170
			Samakkhixay		12,754	13,299	26,053
			Sanamxay	26,370	6,868	1,046	34,284
			Sanxay			15,628	15,628
			Xaysetha		5,146	67,732	72,878
		Champasak	Bachiangchaleunsook			24,972	24,972
			Champassack	76,911	3,753	104	80,768
			Khong	121,941			121,941
			Moonlapamok	61,434			61,434
			Paksong		370	43,971	44,341
			Pakxe			139,779	139,779
			Pathoomphone	41,024	14,837	2,669	58,530
			Phonthong	3,149	27,085	57,914	88,148
			Sanasomboon			53,474	53,474
		Khammouan	Sukhuma	78,125			78,125
			Bualapha	32,535			32,535
			Mahaxay	37,302			37,302
			Nakai	33			33
			Nhommalath	12,348			12,348
			Nongbok	85,230			85,230
			Thakhek	103,510			103,510
			Xaybuathong	25,074			25,074
		Salavan	Xebangfay	35,615			35,615
Khongxedone				869	57,843	58,712	

		Lakhonepheng	71,105	11,446	23	82,574
		Lao Ngarm			16,305	16,305
		Samuoi	2,860			2,860
		Saravane	33,213	76,435	31,892	141,540
		Ta Oi	21,906			21,906
		Toomlarn	53,914			53,914
		Vapy	2,329	30,831	12,596	45,756
	Savannakhet	Atsaphangthong	61,505			61,505
		Atsaphone	48,073			48,073
		Champhone	122,671			122,671
		Kaysone Phomvihane	146,164			146,164
		Nong	18,404			18,404
		Outhoomphone	79,217			79,217
		Phine	73,393			73,393
		Sepone	32,527			32,527
		Songkhone	115,835			115,835
		Thapangthong	89,188			89,188
		Thaphalanxay	52,359			52,359
		Vilabuly	21,157			21,157
		Xaybuly	59,914			59,914
		Xayphoothong	50,869			50,869
		Xonbuly	82,633			82,633
	Xekong	Dakcheung	54	2,034	23,877	25,965
		Kaleum	15,755	3,642	47	19,444
		Lamarm		297	39,410	39,707
		Thateng			14,532	14,532
LAO PEOPLE'S DEMOCRATIC REPUBLIC - TOT			1,999,716	204,752	617,828	2,822,296
PHILIPPINES						
	National Capital region (NCR)	Metropolitan Manila	9,326,590	4,485,196		13,811,786
	Region I (Ilocos region)	Pangasinan	1,056,969			1,056,969
	Region III (Central Luzon)	Aurora	39,856			39,856
		Bataan	563,860	206,237		770,097
		Bulacan	3,327,479			3,327,479
		Nueva Ecija	1,931,240			1,931,240
		Pampanga	2,560,575			2,560,575
		Tarlac	1,410,539			1,410,539
		Zambales	766,602			766,602
	Region IV (Southern Tagalog)	Marinduque			226,326	226,326
		Mindoro Occidental		309,254	166,533	475,787
		Mindoro Oriental		198,696	674,002	872,698
		Palawan	122,728	68,377		191,105
		Romblon		270,472	8,304	278,776
	Region IV-A (Calabarzon)	Batangas		2,729,802	5,573	2,735,375
		Cavite		3,893,501		3,893,501
		Laguna	116	3,169,535		3,169,651
		Quezon	203,137	1,646,454	279,858	2,129,449
		Rizal	1,519,567	1,199,492		2,719,059
	Region V (Bicol region)	Albay		1,346,509		1,346,509
		Camarines Norte	3,914	583,028	4,371	591,313
		Camarines Sur		731,634	1,281,734	2,013,368
		Catanduanes		254,764		254,764
		Masbate	756,670	81,395	8,408	846,473
		Sorsogon	7,407	721,716		729,123
	Region VI (Western Visayas)	Aklan	574,906	21,406		596,312
		Antique	415,964	21,724		437,688
		Capiz	781,934			781,934
		Iloilo	1,494,982			1,494,982
	Region VII (Central Visayas)	Cebu	24			24
	Region VIII (Eastern Visayas)	Biliran	154,184			154,184
		Eastern Samar	246,205			246,205
		Leyte	65,115			65,115
		Northern Samar	576,013	17,968		593,981
		Samar	625,906			625,906
PHILIPPINES - TOT			28,532,482	21,957,160	2,655,109	53,144,751
THAILAND						
	Amnat Charoen	Chanuman	26,832			26,832
		Hua Taphan	38,170			38,170
		Lu Amnat	28,893			28,893
		Muang Amnat Charoen	98,649			98,649
		Pathum Ratchawongsa	32,632			32,632
		Phana	21,950			21,950
		Senangkhanikhom	30,466			30,466
	Buriram	Ban Kruat	11,161			11,161
		Ban Mai Chaiphaphot	21,330			21,330
		Chum Ni	24,463			24,463
		Khu Muang	55,543			55,543
		Krasang	82,757			82,757
		Lam Plai Mat	108,982			108,982
		Muang Buri Ram	221,432			221,432
		Na Pho	28,545			28,545
		Nang Rong	11,563			11,563
		Nong Hong	24,240			24,240
		Nong Ki				
		Phubpla Chai	34,284			34,284
		Phutthaisong	38,081			38,081
		Prakhon Chai	75,516			75,516
	Satuk	116,415			116,415	

Chaiyaphum	Ban Khwao	57		57	
	Ban Thae	37,776		37,776	
	Chatturat				
	Kaeng Khro	77,249		77,249	
	Kaset Sombun	7,688		7,688	
	Khon Sawan	48,311		48,311	
	Muang Chaiyaphum	139,504		139,504	
	Noen Sa-nga	8,167		8,167	
	Phu Khieo	83,166		83,166	
	Kalasin	Huai Mek	39,017		39,017
Huai Phung		25,431		25,431	
Kamalasai		74,889		74,889	
Kham Muang		58,169		58,169	
Khao Wong		56,040		56,040	
Kuchinarai		88,265		88,265	
Muang Kalasin		141,748		141,748	
Na Mon		29,584		29,584	
Nong Kung Si		53,131		53,131	
Rong Khum		13,323		13,323	
Sahatsakhan		35,270		35,270	
Somdet		50,163		50,163	
Tha Khantho		29,622		29,622	
Yang Talat		107,051		107,051	
Khon Kaen		Ban Fang	52,725		52,725
	Ban Phai	161,975		161,975	
	Chonnabot	49,828		49,828	
	Chum Phae	26,519		26,519	
	Khao Suan Kwang	25,679		25,679	
	Kranuan	102,402		102,402	
	Mancha Khiri	101,088		101,088	
	Muang Khon Kaen	361,490		361,490	
	Nam Phong	113,838		113,838	
	Nong Rua	91,045		91,045	
	Nong Song Hong	77,805		77,805	
	Phon	89,255		89,255	
	Phra Yun	34,297		34,297	
	Phu Wiang	69,138		69,138	
	Puai Noi	20,308		20,308	
	Ubol Ratana	42,568		42,568	
	Waeng Noi	42,477		42,477	
	Waeng Yai	29,577		29,577	
	Maha Sarakham	Borabu	129,398		129,398
		Chiang Yun	76,331		76,331
Kae Dam		25,716		25,716	
Kantharawichai		63,519		63,519	
Kosum Phisai		106,415		106,415	
Muang Maha Sarakham		131,719		131,719	
Na Chuak		52,152		52,152	
Na Dun		33,580		33,580	
Phayakkhaphum Phisai		107,567		107,567	
Wapi Payhum		100,453		100,453	
Mukdahan		Don Tan	42,651		42,651
	Dong Luang	35,934		35,934	
	Khumcha-i	48,991		48,991	
	Muang Mukdahan	133,245		133,245	
	Nikom Kham Soi	42,821		42,821	
	Nong Sung	22,450		22,450	
	Wan Yai	18,808		18,808	
Nakhon Phanom	Muang Nakhon Phanom	122,616		122,616	
	Na Kae	72,239		72,239	
	Pla Pak	39,605		39,605	
	Renu Nakhon	35,613		35,613	
	That Phanom	66,196		66,196	
Nakhon Ratchasima	Ban Luam	21,663		21,663	
	Bua Yai	133,435		133,435	
	Chakkarat	14,542		14,542	
	Chum Phuang	139,333		139,333	
	Huai Thalaeng	78,396		78,396	
	Kaeng Sanam Nang	36,924		36,924	
	Kham Sakae Saeng	33,662		33,662	
	Khong	79,896		79,896	
	Non Daeng	25,305		25,305	
	Non Sung	77,093		77,093	
	Phimai	128,718		128,718	
	Prathai	76,213		76,213	
Nong Bua Lamphu	Non Sang	9,583		9,583	
	At Samat	60,483		60,483	
Roi Et	Chang Han	42,530		42,530	
	Chaturaphak Phiman	67,182		67,182	
	Kaset Wisai	82,028		82,028	
	Moeiwadi	18,010		18,010	
	Muang Roi Et	123,452		123,452	
	Muang Suang	19,547		19,547	
	Nong Phok	51,441		51,441	
	Pathum Rat	42,310		42,310	

		Phanom Phrai	86,718			86,718
		Pho Chai	43,499			43,499
		Phon Sai	21,450			21,450
		Phon Thong	86,837			86,837
		Selaphum	99,277			99,277
		Si Somdet	31,839			31,839
		Suwannaphum	95,779			95,779
		Thawatchaburi	103,728			103,728
	Sakon Nakhon	Khok Si Suphan	27,954			27,954
		Kusuman	6,866			6,866
		Kut Bak	58,695			58,695
		Muang Sakon Nakhon	135,810			135,810
		Nikhum Nam Un	5,498			5,498
		Phanna Nikhom	4,475			4,475
		Phon Na Kaeo	27,061			27,061
		Tao Ngoi	20,371			20,371
		Waritchaphum				
	Si Saket	Bung Bun	7,867			7,867
		Huai Thap Than	28,568			28,568
		Kantharalak	165,445			165,445
		Kanthararom	73,051			73,051
		Khukhan	103,767			103,767
		Khun Han	73,145			73,145
		Muang Chan	13,104			13,104
		Muang Si Sa Ket	126,906			126,906
		Nam Kliang	29,600			29,600
		Non Khun	26,651			26,651
		Phrai Bung	34,163			34,163
		Phu Sing	35,193			35,193
		Prang Ku	49,959			49,959
		Rasi Salai	74,578			74,578
		Si Rattana	37,800			37,800
		Uthumphon Phisai	97,196			97,196
		Wang Hin	32,264			32,264
		Yang Chum Noi	26,085			26,085
	Surin	Buachet	30,480			30,480
		Chom Phra	49,036			49,036
		Chumphon Buri	54,752			54,752
		Kap Choeng	75,626			75,626
		Lamduan	23,954			23,954
		Muang Surin	234,219			234,219
		Prasat	125,698			125,698
		Rattanaaburi	103,243			103,243
		Samrong Thap	43,806			43,806
		Sangkha	135,377			135,377
		Sanon	37,395			37,395
		Sikhoraphum	114,958			114,958
		Tha Tum	80,473			80,473
	Ubon Ratchathani	Buntharik	83,476			83,476
		Det Udom	158,274			158,274
		Don Mot Daeng	25,555			25,555
		Khemarat	106,539			106,539
		Khong Chiam			28,283	28,283
		Khuang Nai	107,725			107,725
		Kut Khaopun	39,950			39,950
		Muang Samsip	79,004			79,004
		Muang Ubon Ratchathani	239,712			239,712
		Na Chaluai	51,321			51,321
		Na Yia	23,378			23,378
		Nam Yun	93,013			93,013
		Phibun Mangsahan	97,292	27,839	3,118	128,249
		Pho Sai	27,140	11,608	53	38,801
		Samrong	49,806			49,806
		Si Muang Mai	7,144	33,389	20,697	61,230
		Sirinthon	7,616	25,500	9,631	42,747
		Tan Sum	28,350			28,350
		Trakan Phutphon	140,197	5,586		145,783
		Warin Chamrap	179,087			179,087
	Udon Thani	Kumphawapi	7,880			7,880
		Non Sa-at	22,587			22,587
		Si That	27,048			27,048
		Wang Sam Mo	36,723			36,723
	Yasothon	Kham Khuan Kaeo	64,079			64,079
		Kho Wang	23,775			23,775
		Kut Chum	57,741			57,741
		Loeng Nok Tha	81,484			81,484
		Maha Chana Chai	53,373			53,373
		Muang Yasothon	113,649			113,649
		Pa Tiu	31,180			31,180
		Sai Mun	29,133			29,133
		Thai Charoen	25,204			25,204
	THAILAND - TOT		11,815,955	103,922	61,782	11,981,659
	VIET NAM	Binh Dinh			26,175	26,175
		An Lao				
		An Nhon	14,480	179,106		193,586
		Hoai Nhon			222,015	222,015

	Hoai an		1,406	90,593	91,999
	Phu Cat		208,765	5	208,770
	Phu My		54,831	127,977	182,808
	Qui Nhon City	82,878	218,803		301,681
	Tay Son	26,712	110,746		137,458
	Tuy Phuoc	38,436	145,796		184,232
	Van Canh	26,873			26,873
	Vinh Thanh		24,797	5,454	30,251
Binh Phuoc	Bu Dang	90,421			90,421
	Bu Dop	35,051			35,051
	Phuoc Long	39,451			39,451
Binh Thuan	Bac Binh	439			439
	Tuy Phong	29,860			29,860
Da Nang City	Hai Chau	241,101			241,101
	Hoa Vang	253,512			253,512
	Lien Chieu	158,222			158,222
	Ngu Hanh Son	68,617			68,617
	Son Tra	136,475			136,475
	Thanh Khe	206,432			206,432
Dak Lak	Buon Don	68,734			68,734
	Buon Ma Thuot City	376,357			376,357
	Cu M'gar	179,416			179,416
	Ea H'leo	140,636			140,636
	Ea Kar	157,683			157,683
	Ea Sup	65,877			65,877
	Krong A Na	206,619			206,619
	Krong Bong	94,786			94,786
	Krong Buk	173,606			173,606
	Krong Nang	130,592			130,592
	Krong Pak	222,705			222,705
	Lak	66,166			66,166
	M'Drak	74,423			74,423
Dak Nong	Cu Jut	111,797			111,797
	Dak Mil	110,034			110,034
	Dak Nong	104,898			104,898
	Dak R'Lap	141,840			141,840
	Dak Song	75,429			75,429
	Krong No	77,834			77,834
Gia Lai	An Khe township	56,709	16,822		73,531
	Ayun Pa	126,326			126,326
	Chu Pah	75,110	977		76,087
	Chu Prong	114,050			114,050
	Chu Se	193,778			193,778
	Dak Doa	110,141	318		110,459
	Dak Po	44,213			44,213
	Duc Co	72,133			72,133
	Ia Grai	110,747			110,747
	Ia Pa	53,142			53,142
	KBang	23,689	40,509	7,295	71,493
	Kong Chro	49,446			49,446
	Krong Pa	93,804			93,804
	Mang Yang	61,108	27		61,135
	Pleiku Township	237,781			237,781
Ha Tinh	Ky Anh	412			412
Khanh Hoa	Cam Ranh Township	226,464			226,464
	Dien Khanh	155,240			155,240
	Khanh Son	22,981			22,981
	Khanh Vinh	37,034			37,034
	Nha Trang City	428,103			428,103
	Ninh Hoa	249,479			249,479
	Van Ninh	135,313			135,313
Kon Tum	Dak Glei			47,400	47,400
	Dak Ha		52,143	22,505	74,648
	Dak To		437	72,992	73,429
	Kon Plong			26,054	26,054
	Kon Ray		13,884	12,074	25,958
	Kon Tum Township	91,586	82,855		174,441
	Ngoc Hoi		1,665	48,807	50,472
	Sa Thay	40,902	10,435	12	51,349
Lam Dong	Bao Lam	79,125			79,125
	Bao Loc Township	3,677			3,677
	Cat Tien	1,407			1,407
	Da Lat City	232,804			232,804
	Da Teh	95			95
	Di Linh	125,310			125,310
	Don Duong	106,536			106,536
	Duc Trong	188,217			188,217
	Lac Duong	44,739			44,739
	Lam Ha	178,487			178,487
Ninh Thuan	Bac Ai	26,692			26,692
	Ninh Hai	138,560			138,560
	Ninh Phuoc	193,217			193,217
	Ninh Son	80,178			80,178
	P.Rang-T.Cham Township	190,693			190,693
Phu Yen	Dong Xuan	63,842			63,842

	Phu Hoa	114,783			114,783
	Son Hoa	55,259			55,259
	Song Cau	106,546			106,546
	Song Hinh	43,780			43,780
	Tuy An	133,638			133,638
	Tuy Hoa	251,533			251,533
	Tuy Hoa Township	164,057			164,057
Quang Binh	Bo Trach	196,252			196,252
	Dong Hoi City	121,504			121,504
	Le Thuy	152,790			152,790
	Minh Hoa	20,661			20,661
	Quang Ninh	93,221			93,221
	Quang Trach	217,342			217,342
	Tuyen Hoa	53,915			53,915
Quang Nam	Bac Tra My			42,042	42,042
	Dai Loc	164,563			164,563
	Dien Ban	221,298			221,298
	Dong Giang	25,786			25,786
	Duy Xuyen	130,166			130,166
	Hiep Duc		38,039	4,628	42,667
	Hoi An	199			199
	Hoi An Township	100,385			100,385
	Nam Giang	7,945	15,169	1,306	24,420
	Nam Tra My			28,226	28,226
	Nui Thanh		116,506	28,610	145,116
	Phuoc Son		375	24,634	25,009
	Que Son	92,663	35,515		128,178
	Tam Ky Township		204,837	3,299	208,136
	Tay Giang	18,131			18,131
	Thang Binh	143,043	47,349		190,392
	Tien Phuoc		30,398	46,544	76,942
	Quang Ngai	Ba To			56,067
Binh Son			3,054	184,519	187,573
Duc Pho				151,221	151,221
Ly Son			15,767		15,767
Minh Long				17,067	17,067
Mo Duc				136,654	136,654
Nghia Hanh				99,794	99,794
Quang Ngai Township				124,430	124,430
Son Ha				74,048	74,048
Son Tay				19,165	19,165
Son Tinh				199,590	199,590
Tay Tra				19,287	19,287
Tra Bong				32,160	32,160
Tu Nghia				178,316	178,316
Quang Tri	Cam Lo	51,212			51,212
	Da Krong	41,579			41,579
	Dong Ha Township	89,914			89,914
	Gio Linh	78,571			78,571
	Hai Lang	98,610			98,610
	Huong Hoa	82,093			82,093
	Quang Tri Township	23,043			23,043
	Trieu Phong	101,996			101,996
	Vinh Linh	95,703			95,703
	Thua Thien - Hue	A Luoi	39,109		
Hue City		375,392			375,392
Huong Thuy		109,408			109,408
Huong Tra		134,525			134,525
Nam Dong		24,970			24,970
Phong Dien		100,887			100,887
Phu Loc		161,220			161,220
Phu Vang		147,984			147,984
Quang Dien		88,464			88,464
VIET NAM - TOT		12,965,802	1,671,331	2,180,965	16,818,098
All - TOT		56,469,994	23,938,194	5,515,899	85,924,087