



NANGKA-20 - Population Exposure Estimation based on bulletin n. 4

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 12-10-2020 at 14:31 UTC
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admin0	admin1	admin2	population		Total	
			60km/h	90km/h		
CHINA	Guangdong Sheng	Zhanjiang	2,202,972		2,202,972	
		Guangxi Zhuangzu Zizhiqu	Beihai	299,794		299,794
	Hainan Sheng	Chongzuo	17,822		17,822	
		Fangchenggang	282,575		282,575	
		Haikou	1,415,884		1,415,884	
		Hainan	4,293,101	2,506,167	6,799,268	
		Sanya	541,813	5	541,818	
CHINA - TOT			9,053,961	2,506,172	11,560,133	
LAO PEOPLE'S DEMOCRATIC REPUBLIC	Bolikhambxai	Bolikhanh	12,686		12,686	
		Khamkheuth	50,603		50,603	
		Pakkading	56,114		56,114	
		Paksane	104,148		104,148	
		Thaphabath	14,286		14,286	
	Houaphan	Viengthong	15,077		15,077	
		Huameuang	43,528		43,528	
		Muang Et	15,197		15,197	
		Sopbao	41,556		41,556	
		Viengthong	41,572		41,572	
		Viengxay	60,477		60,477	
		Xamneua	91,529		91,529	
		Xamtay	49,387		49,387	
		Xiengkhor	32,696		32,696	
		Bualapha	32,505		32,505	
		Hinboon	67,670		67,670	
	Khammouan	Mahaxay	28,159		28,159	
		Nakai	13,541		13,541	
		Nhommalath	25,244		25,244	
		Thakhek	4,952		4,952	
		Xaybuathong	5,459		5,459	
		Louangphabang	Ngoi	9,501		9,501
			Pak Xeng	18,772		18,772
	Phonxay		24,765		24,765	
	Phoukhoun		7,386		7,386	
	Viengkham		40,565		40,565	
	Xieng Ngeun		973		973	
	Savannakhet	Sepone	304		304	
		Vilabuly	840		840	
	Vientiane	Hom	6,538		6,538	
		Xaysomboun	15,722		15,722	
	Xiangkhouang	Kham	56,600		56,600	
		Khoune	32,171		32,171	
		Morkmay	6,235		6,235	
		Nonghed	17,727		17,727	
		Pek	123,622		123,622	
		Phaxay	22,870		22,870	
		Phookood	41,933		41,933	
		Thathom	6,052		6,052	

LAO PEOPLE'S DEMOCRATIC REPUBLIC - TOT			1,238,962		1,238,962
THAILAND	Nakhon Phanom	Ban Phaeng	23,484		23,484
		Na Thom	4,158		4,158
		Tha Uthen	4,105		4,105
	Nong Khai	Bung Kan	70,506		70,506
		Bung Khla	12,008		12,008
		Bung Khong Long	30,308		30,308
		Pak Khat	20,042		20,042
		Phon Charoen	6,696		6,696
		Phon Phisai			
		Seka	27,253		27,253
		Si Wichai	33,822		33,822
		So Phisai	17,183		17,183
	THAILAND - TOT			249,565	
VIET NAM	Bac Giang	Bac Giang City	114,125		114,125
		Hiep Hoa	235,963		235,963
		Lang Giang	215,335		215,335
		Luc Nam	217,528		217,528
		Luc Ngan	228,852		228,852
		Son Dong	76,439		76,439
		Tan Yen	174,823		174,823
		Viet Yen	174,860		174,860
		Yen Dung	189,597		189,597
		Yen The	103,688		103,688
		Bac Kan	Cho Moi	24,278	
	Na Ri		813		813
	Bac Ninh	Bac Ninh Township	188,417		188,417
		Gia Binh	113,656		113,656
		Luong Tai	109,674		109,674
		Que Vo	158,194		158,194
		Thuan Thanh	169,124		169,124
		Tien Du	141,292		141,292
		Tu Son	163,406		163,406
		Yen Phong	152,637		152,637
	Dien Bien	D.Bien	4,972		4,972
		D.Bien Dong	35,833		35,833
	Ha Nam	Binh Luc	158,969		158,969
		Duy Tien	154,625		154,625
		Kim Bang	177,454		177,454
		Ly Nhan	182,613		182,613
		Phu Ly Township	30,569		30,569
	Ha Noi City	Thanh Lien	150,805		150,805
		Ba Dinh	288,720		288,720
		Cau Giay	322,917		322,917
		Dong Anh	397,773		397,773
		Dong Da	409,991		409,991
		Gia Lam	282,738		282,738
		Hai Ba Trung	327,355		327,355
		Hoan Kiem	123,832		123,832
		Hoang Mai	455,657		455,657
		Long Bien	259,858		259,858
		Soc Son	334,866		334,866
		Tay Ho	124,518		124,518
		Thanh Tri	255,511		255,511
		Thanh Xuan	225,003		225,003
	Tu Lien	458,416		458,416	
	Ha Tay	Ba Vi	291,815		291,815
		Chuong My	346,954		346,954
		Dan Phuong	161,548		161,548
		Ha Dong Township	280,806		280,806
		Hoai Duc	239,890		239,890
		My Duc	208,619		208,619
		Phu Xuyen	203,176		203,176

	Phuc Tho	191,508		191,508
	Quoc Oai	185,092		185,092
	Son Tay Township	151,282		151,282
	Thach That	203,083		203,083
	Thanh Oai	182,463		182,463
	Thuong Tin	259,588		259,588
	Ung Hoa	213,835		213,835
Ha Tinh	Cam Xuyen	151,668		151,668
	Can Loc	221,637		221,637
	Duc Tho	119,192		119,192
	Ha Tinh Township	68,228		68,228
	Hong Linh Township	35,735		35,735
	Huong Khe	109,188		109,188
	Huong Son	128,008		128,008
	Ky Anh	185,421		185,421
	Nghi Xuan	106,569		106,569
	Thach Ha	172,610		172,610
	Vu Quang	37,041		37,041
Hai Duong	Binh Giang	111,613		111,613
	Cam Giang	140,328		140,328
	Chi Linh	170,894		170,894
	Gia Loc	152,583		152,583
	Hai Duong City	243,476		243,476
	Kim Thanh	149,161		149,161
	Kinh Mon	155,712		155,712
	Nam Sach	121,266		121,266
	Ninh Giang	156,549		156,549
	Thanh Ha	169,674		169,674
	Thanh Mien	129,797		129,797
	Tu Ky	166,409		166,409
Hai Phong City	An Hai	368,587		368,587
	An Lao	153,125		153,125
	Bach Long Vi			
	Cat Hai	29,577		29,577
	Do Son Township	49,434		49,434
	Hong Bang	105,436		105,436
	Kien An	101,890		101,890
	Kien Thuy	197,667		197,667
	Le Chan	179,829		179,829
	Ngo Quyen	188,803		188,803
	Thuy Nguyen Ward	338,765		338,765
	Tien Lang	157,247		157,247
	Vinh Bao	193,884		193,884
Hoa Binh	Cao Phong	45,937		45,937
	Da Bac	58,893		58,893
	Hoa Binh Township	93,366		93,366
	Kim Boi	159,098		159,098
	Ky Son	35,317		35,317
	Lac Son	148,744		148,744
	Lac Thuy	53,910		53,910
	Luong Son	94,793		94,793
	Mai Chau	55,289		55,289
	Tan Lac	87,336		87,336
	Yen Thuy	65,255		65,255
Hung Yen	An Thi	142,178		142,178
	Hung Yen Township	49,152		49,152
	Khoai Chau	197,271		197,271
	Kim Dong	138,892		138,892
	My Hao	105,664		105,664
	Phu Cu	86,597		86,597
	Tien Lu	145,322		145,322
	Van Giang	120,119		120,119
	Van Lam	116,616		116,616
	Yen My	146,927		146,927

Lang Son	Bac Son	72,216	72,216
	Binh Gia	34,076	34,076
	Cao Loc	73,302	73,302
	Chi Lang	80,921	80,921
	Dinh Lap	28,202	28,202
	Huu Lung	123,409	123,409
	Lang Son City	99,394	99,394
	Loc Binh	86,470	86,470
	Van Lang	14,399	14,399
	Van Quan	56,903	56,903
Nam Dinh	Giao Thuy	193,464	193,464
	Hai Hau	272,294	272,294
	My Loc	75,469	75,469
	Nam Dinh City	258,784	258,784
	Nam Truc	205,859	205,859
	Nghia Hung	193,452	193,452
	Truc Ninh	187,219	187,219
	Vu Ban	141,334	141,334
	Xuan Truong	178,176	178,176
Y Yen	238,365	238,365	
Nghe An	Anh Son	116,754	116,754
	Con Cuong	71,865	71,865
	Cua Lo Township	48,882	48,882
	Dien Chau	293,857	293,857
	Do Luong	200,340	200,340
	Hung Nguyen	133,081	133,081
	Ky Son	76,776	76,776
	Nam Dan	169,751	169,751
	Nghi Loc	211,401	211,401
	Nghia Dan	196,789	196,789
	Que Phong	75,394	75,394
	Quy Chau	51,777	51,777
	Quy Hop	133,472	133,472
	Quynh Luu	383,738	383,738
	Tan Ky	144,354	144,354
	Thanh Chuong	236,817	236,817
	Tuong Duong	80,449	80,449
Vinh City	323,782	323,782	
Yen Thanh	287,912	287,912	
Ninh Binh	Gia Vien	135,626	135,626
	Hoa Lu	152,585	152,585
	Kim Son	181,995	181,995
	Nho Quan	160,382	160,382
	Ninh Binh Township	41,106	41,106
	Tam Diep Township	60,253	60,253
	Yen Khanh	152,744	152,744
Yen Mo	124,168	124,168	
Phu Tho	Cam Khe	137,758	137,758
	Doan Hung	113,663	113,663
	Ha Hoa	117,077	117,077
	Lam Thao	125,664	125,664
	Phu Ninh	115,362	115,362
	Phu Tho Township	50,905	50,905
	Tam Nong	83,339	83,339
	Thanh Ba	120,109	120,109
	Thanh Son	219,665	219,665
	Thanh Thuy	83,977	83,977
Viet Tri City	202,650	202,650	
Yen Lap	91,270	91,270	
Quang Binh	Bo Trach	196,183	196,183
	Dong Hoi City	121,545	121,545
	Le Thuy	152,901	152,901
	Minh Hoa	51,253	51,253
Quang Ninh	93,158	93,158	

	Quang Trach	221,124		221,124
	Tuyen Hoa	84,677		84,677
Quang Ninh	Ba Che	21,011		21,011
	Binh Lieu	31,392		31,392
	Cam Pha Township	176,797		176,797
	Co To	5,471		5,471
	Dam Ha	37,181		37,181
	Dong Trieu	174,827		174,827
	Ha Long City	201,252		201,252
	Hai Ha	58,288		58,288
	Hoanh Bo	50,144		50,144
	Mong Cai Township	107,649		107,649
	Tien Yen	49,544		49,544
	Uong Bi Township	118,245		118,245
	Van Don	42,482		42,482
	Yen Hung	145,472		145,472
Quang Tri	Cam Lo	10,398		10,398
	Dong Ha Township	17,841		17,841
	Gio Linh	78,063		78,063
	Hai Lang	267		267
	Huong Hoa	269		269
	Trieu Phong	36,755		36,755
	Vinh Linh	95,687		95,687
Son La	Bac Yen	66,047		66,047
	Mai Son	153,846		153,846
	Moc Chau	177,100		177,100
	Muong La	93,280		93,280
	Phu Yen	123,942		123,942
	Son La Township	113,177		113,177
	Song Ma	150,886		150,886
	Sop Cop	44,539		44,539
	Thuan Chau	126,864		126,864
	Yen Chau	79,812		79,812
Thai Binh	Dong Hung	243,648		243,648
	Hung Ha	273,252		273,252
	Kien Xuong	229,249		229,249
	Quynh Phu	245,319		245,319
	Thai Binh City	198,203		198,203
	Thai Thuy	256,038		256,038
	Tien Hai	218,997		218,997
	Vu Thu	230,133		230,133
Thai Nguyen	Dai Tu	179,354		179,354
	Dinh Hoa	62,947		62,947
	Dong Hy	131,291		131,291
	Pho Yen	156,352		156,352
	Phu Binh	152,430		152,430
	Phu Luong	117,085		117,085
	Song Cong Township	60,422		60,422
	Thai Nguyen City	295,670		295,670
	Vo Nhai	72,051		72,051
Thanh Hoa	Ba Thuoc	106,050		106,050
	Bim Son Township	59,138		59,138
	Cam Thuy	110,301		110,301
	Dong Son	110,123		110,123
	Ha Trung	105,226		105,226
	Hau Loc	190,910		190,910
	Hoang Hoa	267,252		267,252
	Lang Chanh	49,370		49,370
	Muong Lat	27,602		27,602
	Nga Son	144,355		144,355
	Ngoc Lac	141,483		141,483
	Nhu Thanh	97,151		97,151
	Nhu Xuan	69,652		69,652
	Nong Cong	200,205		200,205

		Quan Hoa	47,110		47,110
		Quan Son	33,177		33,177
		Quang Xuong	285,544		285,544
		Sam Son Township	55,940		55,940
		Thach Thanh	147,699		147,699
		Thanh Hoa City	229,488		229,488
		Thieu Hoa	188,751		188,751
		Tho Xuan	226,857		226,857
		Thuong Xuan	95,606		95,606
		Tinh Gia	231,716		231,716
		Trieu Son	218,939		218,939
		Vinh Loc	88,466		88,466
		Yen Dinh	168,160		168,160
	Tuyen Quang	Son Duong	187,212		187,212
		Tuyen Quang Township	70,153		70,153
		Yen Son	134,198		134,198
	Vinh Phuc	Binh Xuyen	127,141		127,141
		Lap Thach	236,797		236,797
		Me Linh	236,302		236,302
		Phuc Yen township	99,331		99,331
		Tam Dao	66,564		66,564
		Tam Duong	101,117		101,117
		Vinh Tuong	221,624		221,624
		Vinh Yen Township	92,996		92,996
		Yen Lac	163,356		163,356
	Yen Bai	Mu Cang Chai	111		111
		Nghia Lo Township	22,327		22,327
		Tram Tau	30,687		30,687
		Tran Yen	58,800		58,800
		Van Chan	142,790		142,790
		Van Yen	310		310
		Yen Bai City	104,684		104,684
		Yen Binh	65,997		65,997
	VIET NAM - TOT		39,460,809		39,460,809
	All - TOT		50,003,297	2,506,172	52,509,469