



BAVI-20 - Population Exposure Estimation based on bulletin n. 16

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 25-08-2020 at 10:31 UTC
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admin0	admin1	admin2	population			Total	
			60km/h	90km/h	120km/h		
CHINA	Heilongjiang Sheng	Daqing	708,535	6,299		714,834	
		Harbin	1,530,017	1,583,743	6,643,841	9,757,601	
		Heihe	329,327	64,647		393,974	
		Mudanjiang					
		Qiqihar	809,353	14,935		824,288	
		Suihua	1,937,170	1,846,561	1,933,208	5,716,939	
		Yichun	270,598	157		270,755	
	Jiangsu Sheng	Nantong	3,281,054			3,281,054	
		Suzhou	177,917			177,917	
		Yancheng	105,550			105,550	
	Jilin Sheng	Baishan	740,190	571,290		1,311,480	
		Changchun	819,654	4,623,972	2,359,591	7,803,217	
		Jilin	722,086	1,562,920	2,353,875	4,638,881	
		Liaoyuan		742,642	454,442	1,197,084	
		Siping	2,590,327	642,756	95,203	3,328,286	
		Songyuan	1,679,172	213,951	166,670	2,059,793	
		Tonghua		416,617	1,998,968	2,415,585	
		Yanbian Korean	100,381			100,381	
		Liaoning Sheng	Anshan	2,875,250			2,875,250
	Benxi		1,306,290	120,841	321,764	1,748,895	
	Dalian		1,291,148			1,291,148	
	Dandong		432,748	1,798,884	306,196	2,537,828	
	Fushun		1,601,273	360,903	270,203	2,232,379	
	Liaoyang		1,877,668			1,877,668	
	Name Unknown		241,556			241,556	
	Shenyang		7,320,151			7,320,151	
	Tieling		2,406,681	302,261	12	2,708,954	
	Tongliao		30,392			30,392	
	Nei Mongol Zizhiqu	Tongliao	30,392			30,392	
	Shandong Sheng	Weihai	2,672,614			2,672,614	
		Yantai	199,107			199,107	
	Shanghai Shi	Name Unknown	3,262,739			3,262,739	
		Shanghai	16,365,112			16,365,112	
	Zhejiang Sheng	Ningbo	479,105			479,105	
		Zhoushan	942,707			942,707	
	CHINA - TOT			59,105,872	14,873,379	16,903,973	90,883,224
	DEM PEOPLE'S REP OF KOREA	Chagang-do	Chosan		1,323	57,075	58,398
			Huichon		119,477		119,477
			Hwaphyong	43,654			43,654
			Janggang	58,753	1,256		60,009
			Jasong	44,908	13,186		58,094
			Jonchon		95,024		95,024
			Junggang	42,268			42,268
			Kanggye	185,823	9,633		195,456
			Kopung		23,123	25,878	49,001
			Manpo	1,904	86,361		88,265
			Rangrim	50,117			50,117
Ryongrim			47,317	11,181		58,498	
Sijung				65,153		65,153	
Songgan			50,000	34,057		84,057	
Songwon				25,034	7,771	32,805	
Tongsin			29,432	96,384		125,816	
Usi					48,985	48,985	
Wiwon			86,543	3,901	90,444		
Hamgyong-namdo		Bujon	59,095			59,095	
		Doksong	36			36	
		Hamhung	590,604			590,604	
		Hamju	148,263			148,263	
		Hongwon	55,344			55,344	
		Jangjin	104,538			104,538	
		Jongpyong	223,004			223,004	
		Kowon	59,681			59,681	
		Kumya	231,430			231,430	
		Rakwon	63,428			63,428	
		Sinhung	166,539			166,539	
		Sudong	83,588			83,588	
		Yodok	87,907			87,907	
Hwanghae-bukto		Yonggwon	170,376			170,376	
		Bongsan		204,901		204,901	

	Hwangju		92,487	77,129	169,616	
	Koksan	101,853			101,853	
	Kumchon	103,011			103,011	
	Pyongsan	98,472	51,562		150,034	
	Rinsan		127,062		127,062	
	Sariwon		132,260	10,816	143,076	
	Singye	132,117	2,796		134,913	
	Sinpyong	95,703			95,703	
	Sohung	476	147,812		148,288	
	Songrim			37,792	37,792	
	Suan	58,218	31,156		89,374	
	Tosan	100,068			100,068	
	Unpa		105,152		105,152	
	Yonsan	11,374	81,794		93,168	
	Yontan		136,295		136,295	
Hwanghae-namdo	Anak			128,544	128,544	
	Baechon	51,331	123,577		174,908	
	Bongchon	13,499	95,364		108,863	
	Byoksong			130,167	130,167	
	Chollima			82,898	82,898	
	Chongdan		166,346		166,346	
	Daean			39,127	39,127	
	Haegu		224,299	10,240	234,539	
	Hanggu			99,891	99,891	
	Jaeryong		39,153	101,651	140,804	
	Jangyon			101,141	101,141	
	Kangryong		25,246	99,582	124,828	
	Kangso			171,819	171,819	
	Kwail			93,634	93,634	
	Ongjin			150,760	150,760	
	Ryonggang			95,187	95,187	
	Ryongyon			125,569	125,569	
	Samchon			106,226	106,226	
	Sinchon			112,412	112,412	
	Sinwon		104,194	15,426	119,620	
	Songhwa			61,896	61,896	
	Taetan			73,569	73,569	
	Unchon			137,137	137,137	
	Unryul			162,863	162,863	
	Waudu			140,059	140,059	
	Yonan			190,643	190,643	
Kaesong-si	Jangpung	104,656			104,656	
	Kaepung	47,852			47,852	
	Kaesong	29,218			29,218	
	Panmun	179,281			179,281	
Kangwon-do	Anbyon	131,253			131,253	
	Bopdong	45,301			45,301	
	Changdo	61,979			61,979	
	Cholwon	99,744			99,744	
	Chonnae	107,810			107,810	
	Hoiyang	82,139			82,139	
	Ichon	94,917			94,917	
	Kimhwa	84,658			84,658	
	Kosan	140,840			140,840	
	Kosong					
	Kumgang	14,921			14,921	
	Munchon	77,106			77,106	
	Pangyo	75,393			75,393	
	Pyonggang	163,763			163,763	
	Sepo	122,584			122,584	
	Tongchon	85,116			85,116	
Wonsan	271,458			271,458		
P'yongan-bukto	Bakchon			194,864	194,864	
	Byokdong			60,437	60,437	
	Changsong			48,230	48,230	
	Cholsan		3,015	144,843	147,858	
	Chonma			76,130	76,130	
	Daegwan			100,344	100,344	
	Dongrim			153,655	153,655	
	Hyangsan		48,882		48,882	
	Jongju			227,926	227,926	
	Kujang		184,728		184,728	
	Kusong			183,773	183,773	
	Kwaksan			150,979	150,979	
	Nyongbyon		40,384	168,669	209,053	
	Pihyon		128,143	73,124	201,267	
	Ryongchon		64,425		64,425	
	Sakju			164,961	164,961	
	Sinuiju		201,835		201,835	
	Sonchon			158,297	158,297	
	Taechon			201,562	201,562	
	Tongchang			53,104	53,104	
Uiju		90,255	61,339	151,594		
Unjon			168,354	168,354		

		Unsan		77,967	96,958	174,925		
		Yomju		97,001	79,281	176,282		
	P'yongan-namdo	Anju		32,350	119,329	151,679		
		Bukchang	7,949	192,222		200,171		
		Chongnam			37,682	37,682		
		Daedong			112,811	112,811		
		Daehung	38,705			38,705		
		Dokchon	2,432	191,351		193,783		
		Dukjang		33,382		33,382		
		Hoichang	63,765	26,837		90,602		
		Jungsan			179,957	179,957		
		Kaechon		311,390		311,390		
		Maengsan	58,334			58,334		
		Mundok			194,773	194,773		
		Nyongwon	41,809	7,411		49,220		
		Onchon			134,895	134,895		
		Pyongsong		275,856		275,856		
		Pyongwon		9,901	192,032	201,933		
		Sinyang	61,367	1,913		63,280		
		Songchan	797	211,427		212,224		
		Sukchon		2,125	226,265	228,390		
		Sunchon		382,117	806	382,923		
		Unsan		174,345		174,345		
		Yangdok	81,691			81,691		
		P'yongyang-si	Chunghwa		72,302	18,252	90,554	
	Kangdong			240,357		240,357		
	Kangnam				61,354	61,354		
	Pyongyang			1,735,598	1,115,334	2,850,932		
	Sangwon			216,973		216,973		
	Unjong			46,708		46,708		
	Yanggang-do	Kimhyonggwon	2,645			2,645		
		Kimhyongjik	43,381			43,381		
		Kimjongsuk	44,836			44,836		
		Phungso	9,688			9,688		
		Samsu	4,151			4,151		
DEM PEOPLE'S REP OF KOREA - TOT			5,845,670	7,851,034	7,469,465	21,166,169		
JAPAN	Kagosima	Amagityoo	5,910			5,910		
		Isentyoo	6,678			6,678		
		Tinatyoo	6,588			6,588		
		Tokunosimatyoo	9,959			9,959		
		Wadomarityoo	5,708			5,708		
		Yorontyoo	4,194			4,194		
	Nagasaki	Hukuesi						
		Miirakutyoo	186				186	
	Okinawa	Agunison	830				830	
		Ginowansi	67,070				67,070	
		Ginozason	5,252				5,252	
		Gusikamison	7,495				7,495	
		Gusikawasi	61,927				61,927	
		Gusikawason	3,798		130		3,928	
		Gusukubetyoo	7,424				7,424	
		Haebarutyoo	34,720				34,720	
		Higasion	1,766				1,766	
		Hirarasi	28,364				28,364	
		Ieson	4,549				4,549	
		Iheyason	1,164				1,164	
		Irabutyoo	2,651				2,651	
		Isigakisi	43,757				43,757	
		Isikawasi	26,518				26,518	
		Itomansi	30,044				30,044	
		Izenason	1,239				1,239	
		Kadenatyoo	10,909				10,909	
		Katurentyoo	11,880				11,880	
		Kintyoo	10,893				10,893	
		Kitanakagusukuson	14,686				14,686	
		Kotindatyoo	15,138				15,138	
		Kunigamison	3,126				3,126	
		Motobutyoo	10,222				10,222	
		Nagosi	54,521				54,521	
		Nahasi	255,100				255,100	
		Nakagusukuson	16,425				16,425	
		Nakazatoson	3,436				3,436	
		Nakizinson	6,824				6,824	
		Name Unknown						
		Nisiharatyoo	33,526					33,526
		Okinawasi	128,676					128,676
		Onnason	2,159					2,159
	Oogimison	1,648					1,648	
	Oozatoson	11,887					11,887	
	Sasikityoo	5,960					5,960	
	Simozityoo	2,892					2,892	
	Tamagusukuson	9,644					9,644	
	Taramason	144					144	
Tinenson	3,032					3,032		

		Tokasikison	478			478
		Tomigusukuson	60,724			60,724
		Tonakison	6			6
		Tyatantyoo	24,110			24,110
		Uenoson	3,490			3,490
		Urasoesi	108,245			108,245
		Yomitanson	36,677			36,677
		Yonabarutyoo	15,600			15,600
		Yonagunityoo	485			485
		Yonasirotyoo	8,287			8,287
		Zamamison	816			816
JAPAN - TOT			1,239,437	130		1,239,567
REPUBLIC OF KOREA	Cheju-do	---	501,792	77,634		579,426
	Chollabuk-do	---	1,827,666	8		1,827,674
	Chollanam-do	---	2,567,546	51,110	500	2,619,156
	Chungchongbuk-do	---	1,701,275			1,701,275
	Chungchongnam-do	---	2,172,848	10,903		2,183,751
	Inchon	---	2,493,698			2,493,698
	Kang-won-do	---	769,746			769,746
	Kwangju	---	559,725			559,725
	Kyonggi-do	---	13,025,410	19,104	14,227	13,058,741
	Kyongsangbuk-do	---	245,515			245,515
	Kyongsangnam-do	---	935,598			935,598
	Seoul	---	9,500,022			9,500,022
	Taejon	---	1,372,211			1,372,211
REPUBLIC OF KOREA - TOT			37,673,052	158,759	14,727	37,846,538
TAIWAN	Taiwan Sheng	Name Unknown	1,260,617			1,260,617
All - TOT			105,124,648	22,883,302	24,388,165	152,396,115