



## BAVI-20 - Population Exposure Estimation based on bulletin n. 12

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 24-08-2020 at 09:01 UTC  
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admin0	admin1	admin2	population			Total
			60km/h	90km/h	120km/h	
CHINA	Heilongjiang Sheng	Daqing	2,254,330			2,254,330
		Harbin	7,007,910			7,007,910
		Heihe	442,740			442,740
		Qiqihar	1,660,595			1,660,595
		Suihua	4,737,022			4,737,022
	Jilin Sheng	Baishan	826,013			826,013
		Changchun	7,809,329			7,809,329
		Jilin	3,903,795			3,903,795
		Liaoyuan	1,192,779			1,192,779
		Siping	3,240,362			3,240,362
		Songyuan	2,129,967			2,129,967
		Tonghua	1,657,520	645,701	118,581	2,421,802
	Liaoning Sheng	Anshan	428,722			428,722
		Benxi	1,322,863	104,200	323,363	1,750,426
		Dalian	432,110			432,110
		Dandong	1,099,575	1,094,587	342,150	2,536,312
		Fushun	1,766,458	233,478	237,456	2,237,392
		Liaoyang	351,275			351,275
		Shenyang	3,203,517			3,203,517
		Tieling	2,527,811			2,527,811
Shandong Sheng	Weiwei	150,183			150,183	
Zhejiang Sheng	Zhoushan	8,789			8,789	
<b>CHINA - TOT</b>			<b>48,153,665</b>	<b>2,077,966</b>	<b>1,021,550</b>	<b>51,253,181</b>
DEM PEOPLE'S REP OF KOREA	Chagang-do	Chosan		39,810	18,543	58,353
		Huichon	74,405	33,380		107,785
		Hwaphyong	43,358			43,358
		Janggang	62,692			62,692
		Jasong	58,042			58,042
		Jonchon	92,864	367		93,231
		Junggang	45,877			45,877
		Kanggye	193,208			193,208
		Kopung		33,223	16,219	49,442
		Manpo	88,715	1,795		90,510
		Rangrim	32,693			32,693
		Ryongrim	59,636			59,636
		Sijung	64,672			64,672
		Songgan	84,103			84,103
		Songwon	1,983	27,763	3,593	33,339
		Tongsin	138,059	260		138,319
		Usi			47,889	47,889
		Wiwon	45,446	46,113		91,559
	Hamgyong-namdo	Hamju	66,794			66,794
		Jangjin	86,484			86,484
		Jongpyong	206,256			206,256
		Kowon	58,384			58,384
		Kumya	224,269			224,269
		Sudong	83,776			83,776
		Yodok	87,435			87,435
	Yonggwon	32,348			32,348	
	Hwanghae-bukto	Bongsan		28,953	185,947	214,900
		Hwangju			173,665	173,665
		Koksan	102,323			102,323
		Kumchon	90,875	14,105		104,980

	<b>Pyongsan</b>	35,987	113,675		149,662
	<b>Rinsan</b>		86,625	42,668	129,293
	<b>Sariwon</b>			134,685	134,685
	<b>Singye</b>	130,542	5,248		135,790
	<b>Sinpyong</b>	96,191			96,191
	<b>Sohung</b>		149,620		149,620
	<b>Songrim</b>			32,085	32,085
	<b>Suan</b>	57,191	31,918		89,109
	<b>Tosan</b>	99,571			99,571
	<b>Unpa</b>			101,810	101,810
	<b>Yonsan</b>	15,927	77,009		92,936
	<b>Yontan</b>		59,974	76,281	136,255
<b>Hwanghae-namdo</b>	<b>Anak</b>			127,431	127,431
	<b>Baechon</b>		174,025		174,025
	<b>Bongchon</b>	20	108,254	77	108,351
	<b>Byoksong</b>			129,747	129,747
	<b>Chollima</b>			82,827	82,827
	<b>Chongdan</b>		10,223	155,990	166,213
	<b>Daean</b>			36,264	36,264
	<b>Haeju</b>			237,109	237,109
	<b>Hanggu</b>			111,050	111,050
	<b>Jaeryong</b>			143,431	143,431
	<b>Jangyon</b>			99,762	99,762
	<b>Kangryong</b>			126,105	126,105
	<b>Kangso</b>			170,982	170,982
	<b>Kwail</b>			91,536	91,536
	<b>Ongjin</b>			147,633	147,633
	<b>Ryonggang</b>			94,638	94,638
	<b>Ryongyon</b>			120,674	120,674
	<b>Samchon</b>			108,074	108,074
	<b>Sinchon</b>			112,909	112,909
	<b>Sinwon</b>			119,681	119,681
	<b>Songhwa</b>			62,772	62,772
	<b>Taetan</b>			71,028	71,028
	<b>Unchon</b>			136,345	136,345
	<b>Unryul</b>			159,404	159,404
	<b>Waudoo</b>			130,784	130,784
	<b>Yonan</b>			176,544	14,886
<b>Kaesong-si</b>	<b>Jangpung</b>	106,416			106,416
	<b>Kaepung</b>	16,609	30,843		47,452
	<b>Kaesong</b>	26,092			26,092
	<b>Panmun</b>	181,747	60		181,807
<b>Kangwon-do</b>	<b>Anbyon</b>	127,036			127,036
	<b>Bopdong</b>	45,786			45,786
	<b>Changdo</b>	19,426			19,426
	<b>Cholwon</b>	99,820			99,820
	<b>Chonnae</b>	107,539			107,539
	<b>Hoiyang</b>	58,710			58,710
	<b>Ichon</b>	94,399			94,399
	<b>Kimhwa</b>	81,545			81,545
	<b>Kosan</b>	139,267			139,267
	<b>Munchon</b>	65,439			65,439
	<b>Pangyo</b>	75,765			75,765
	<b>Pyonggang</b>	164,859			164,859
	<b>Sepo</b>	121,741			121,741
	<b>Wonsan</b>	251,945			251,945
<b>P'yongan-bukto</b>	<b>Bakchon</b>			196,759	196,759
	<b>Byokdong</b>			61,245	61,245
	<b>Changsong</b>			48,937	48,937
	<b>Cholsan</b>		14,097	133,349	147,446
	<b>Chonma</b>			76,170	76,170
	<b>Daegwan</b>			102,337	102,337
	<b>Dongrim</b>			154,483	154,483
	<b>Hyangsan</b>	2,845	46,280		49,125
	<b>Jongju</b>			225,588	225,588
	<b>Kujang</b>	8,746	179,151		187,897
	<b>Kusong</b>			179,595	179,595
	<b>Kwaksan</b>			153,798	153,798
	<b>Nyongbyon</b>		18,515	189,271	207,786
	<b>Pihyon</b>		146,145	68,164	214,309

		Ryongchon		64,234		64,234
		Sakju			166,401	166,401
		Sinuiju	189,954			189,954
		Sonchon			155,617	155,617
		Taechon			200,520	200,520
		Tongchang			53,113	53,113
		Uiju	85,117		65,745	150,862
		Unjon			170,888	170,888
		Unsan	81,401		92,367	173,768
		Yomju	116,487		61,587	178,074
	P'yongan-namdo	Anju			150,747	150,747
		Bukchang	123,420	79,803		203,223
		Chongnam			34,663	34,663
		Daedong			112,467	112,467
		Daehung	39,084			39,084
		Dokchon	123,708	70,134		193,842
		Dukjang		33,119		33,119
		Hoichang	83,087	8,442		91,529
		Jungsan			175,358	175,358
		Kaechon		275,065	41,650	316,715
		Maengsan	58,905			58,905
		Mundok			195,617	195,617
		Nyongwon	49,025			49,025
		Onchon			131,207	131,207
		Pyongsong		66,241	221,730	287,971
		Pyongwon			200,814	200,814
		Sinyang	63,795			63,795
		Songchan	40,900	173,156		214,056
		Sukchon			228,180	228,180
		Sunchon		334,035	35,931	369,966
		Unsan	5,334	182,273		187,607
		Yangdok	81,699			81,699
	P'yongyang-si	Chunghwa			91,371	91,371
		Kangdong	1,432	245,504		246,936
		Kangnam			63,060	63,060
		Pyongyang		135,162	2,720,429	2,855,591
		Sangwon		210,593	5,793	216,386
		Unjong			32,207	32,207
	Yanggang-do	Kimhyongjik	4,823			4,823
DEM PEOPLE'S REP OF KOREA - TOT			5,031,070	4,004,695	10,621,682	19,657,447
JAPAN	Kagosima	Amagityoo	6,401			6,401
		Isentyoo	6,581			6,581
		Tinatyoo	6,471			6,471
		Tokunosimatyoo	9,081			9,081
		Wadomarityoo	6,542			6,542
		Yorontyoo	4,398			4,398
	Nagasaki	Hukuesi				
		Miirakutyoo	12			12
	Okinawa	Agunison	805			805
		Ginowansi	67,145			67,145
		Ginozason	5,385			5,385
		Gusikamison	8,126			8,126
		Gusikawasi	69,000			69,000
		Gusikawason	4,031	168		4,199
		Gusukubetyoo	7,704			7,704
		Haebarutyoo	35,994			35,994
		Higasison	1,796			1,796
		Hirarasi	29,177			29,177
		Ieson	4,533			4,533
		Iheyason	1,280			1,280
		Irabutyoo	2,101			2,101
		Isigakisi	46,687			46,687
		Isikawasi	22,316			22,316
		Itomansi	48,440			48,440
		Izenason	1,347			1,347
		Kadenatyoo	15,317			15,317
		Katurentyoo	8,626			8,626
		Kintyoo	14,423			14,423
		Kitanakagusukuson	19,553			19,553
		Kotindatyoo	16,211			16,211

		<b>Kunigamison</b>	4,359			4,359	
		<b>Motobutyoo</b>	10,420			10,420	
		<b>Nagosi</b>	54,526			54,526	
		<b>Nahasi</b>	255,440			255,440	
		<b>Nakagusukuson</b>	23,763			23,763	
		<b>Nakazatoson</b>	3,352			3,352	
		<b>Nakizinson</b>	6,014			6,014	
		<b>Name Unknown</b>					
		<b>Nisiharatyoo</b>	47,165			47,165	
		<b>Okinawasi</b>	123,413			123,413	
		<b>Onnason</b>	4,718			4,718	
		<b>Oogimison</b>	2,325			2,325	
		<b>Oozatoson</b>	10,708			10,708	
		<b>Sasikityoo</b>	6,454			6,454	
		<b>Simozityoo</b>	2,630			2,630	
		<b>Tamagusukuson</b>	10,752			10,752	
		<b>Taramason</b>	132			132	
		<b>Tinenson</b>	3,530			3,530	
		<b>Tokasikison</b>	713			713	
		<b>Tomigusukuson</b>	52,607			52,607	
		<b>Tonakison</b>	211			211	
		<b>Tyatantyoo</b>	20,276			20,276	
		<b>Uenosen</b>	3,198			3,198	
		<b>Urasoesi</b>	102,919			102,919	
		<b>Yomitanson</b>	34,338			34,338	
		<b>Yonabarutyoo</b>	14,681			14,681	
		<b>Yonagunityoo</b>	879			879	
		<b>Yonasirotyoo</b>	11,903			11,903	
		<b>Zamamison</b>	780			780	
	<b>JAPAN - TOT</b>		1,281,689	168		1,281,857	
	<b>REPUBLIC OF KOREA</b>	<b>Cheju-do</b>	---	1,480	488,304	99,646	589,430
		<b>Chollabuk-do</b>	---	1,714,216	115,319		1,829,535
		<b>Chollanam-do</b>	---	1,886,600	667,395	35,473	2,589,468
		<b>Chungchongbuk-do</b>	---	1,709,018			1,709,018
		<b>Chungchongnam-do</b>	---	1,819,616	353,082	23	2,172,721
		<b>Inchon</b>	---	2,508,317	8,924		2,517,241
		<b>Kang-won-do</b>	---	774,624			774,624
		<b>Kwangju</b>	---	579,681			579,681
		<b>Kyonggi-do</b>	---	13,050,991	43,810	16,804	13,111,605
		<b>Kyongsangbuk-do</b>	---	293,268			293,268
		<b>Kyongsangnam-do</b>	---	967,790			967,790
		<b>Seoul</b>	---	9,498,463			9,498,463
		<b>Taejon</b>	---	1,376,151			1,376,151
	<b>REPUBLIC OF KOREA - TOT</b>		36,180,215	1,676,834	151,946	38,008,995	
	<b>TAIWAN</b>	<b>Taiwan Sheng</b>	<b>Name Unknown</b>	1,291,170		1,291,170	
	<b>All - TOT</b>		91,937,809	7,759,663	11,795,178	111,492,650	