



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

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 26-08-2020 at 09:33 UTC  
 Contact: [hq.gis@wfp.org](mailto:hq.gis@wfp.org)

admin0	admin1	admin2	population			Total	
			60km/h	90km/h	120km/h		
CHINA	Heilongjiang Sheng	Daqing	621,908			621,908	
		Harbin	7,779,295	1,842,648		9,621,943	
		Heihe	456,137			456,137	
		Qiqihar	345,131			345,131	
		Suihua	5,150,437			5,150,437	
		Yichun	617,098			617,098	
	Jiangsu Sheng	Nantong	1,008,343			1,008,343	
	Jilin Sheng	Baishan	991,691			991,691	
		Changchun	888,435	6,923,415		7,811,850	
		Jilin	1,500,931	3,120,632		4,621,563	
		Liaoyuan		1,192,779		1,192,779	
		Siping	2,542,135	749,845		3,291,980	
		Songyuan	1,611,515	333,840		1,945,355	
		Tonghua	555,881	1,865,921		2,421,802	
		Yanbian Korean	14			14	
	Liaoning Sheng	Anshan	3,138,524			3,138,524	
		Benxi	1,150,344	201,622	398,460	1,750,426	
		Dalian	1,479,617			1,479,617	
		Dandong	190,646	578,721	1,766,945	2,536,312	
		Fushun	1,551,570	491,519	194,303	2,237,392	
		Liaoyang	1,953,821			1,953,821	
		Name Unknown	494,282			494,282	
		Shenyang	7,452,996			7,452,996	
	Tieling	2,341,159	362,382		2,703,541		
	Nei Mongol Zizhiqu	Tongliao	14,706			14,706	
	Shandong Sheng	Weihai	2,613,646			2,613,646	
		Yantai	364,074			364,074	
	Shanghai Shi	Name Unknown	263,122			263,122	
	Zhejiang Sheng	Zhoushan	53,706			53,706	
	<b>CHINA - TOT</b>			<b>47,131,164</b>	<b>17,663,324</b>	<b>2,359,708</b>	<b>67,154,196</b>
	DEM PEOPLE'S REP OF KOREA	Chagang-do	Chosan	39,602	18,751		58,353
			Huichon	107,785			107,785
Hwaphyong			39,465			39,465	
Janggang			62,692			62,692	
Jasong			58,042			58,042	
Jonchon			93,231			93,231	
Junggang			47,194			47,194	
Kanggye			193,208			193,208	
Kopung			34,221	15,221		49,442	
Manpo			90,510			90,510	
Rangrim			8,841			8,841	
Ryongrim			59,636			59,636	
Sijung			64,672			64,672	
Songgan			84,103			84,103	
Songwon			30,437	2,902		33,339	
Tongsin			138,319			138,319	
Usi				47,092	797	47,889	
Wiwon			91,559			91,559	
Hamgyong-namdo		Hamju	45			45	
		Jangjin	7,177			7,177	
		Jongpyong	11			11	
		Kowon	15,380			15,380	
	Kumya	14,086			14,086		

	Sudong	83,776			83,776
	Yodok	84,621			84,621
	Yonggwang				
Hwanghae-bukto	Bongsan	214,900			214,900
	Hwangju	80,492	93,173		173,665
	Koksan	102,323			102,323
	Kumchon	104,980			104,980
	Pyongsan	149,662			149,662
	129,293				129,293
	Sariwon	108,472	26,213		134,685
	Singye	135,790			135,790
	Sinpyong	96,191			96,191
	Sohung	149,620			149,620
	Songrim		32,085		32,085
	Suan	89,109			89,109
	Tosan	99,571			99,571
	Unpa	99,918	1,892		101,810
	Yonsan	92,936			92,936
	Yontan	136,255			136,255
Hwanghae-namdo	Anak		124,259	3,172	127,431
	Baechon	174,025			174,025
	Bongchon	108,351			108,351
	Byoksong		128,419	1,328	129,747
	Chollima		82,827		82,827
	Chongdan	166,213			166,213
	Daean		36,264		36,264
	Haeju	164,573	72,536		237,109
	Hanggu		109,821	1,229	111,050
	Jaeryong	10,386	133,045		143,431
	Jangyon			99,762	99,762
	Kangryong	6,950	117,602	1,553	126,105
	Kangso		170,778	204	170,982
	Kwail			91,536	91,536
	Ongjin		82,002	65,631	147,633
	Ryonggang		84,241	10,397	94,638
	Ryongyon			120,674	120,674
	Samchon		28,679	79,395	108,074
	Sinchon		112,909		112,909
	Sinwon	89,966	29,715		119,681
	Songhwa			62,772	62,772
	Taetan		15,175	55,853	71,028
	Unchon		130,327	6,018	136,345
	Unryul		455	158,949	159,404
Waudo		73,956	56,828	130,784	
Yonan	191,430			191,430	
Kaesong-si	Jangpung	106,416			106,416
	Kaepung	47,452			47,452
	Kaesong	26,092			26,092
	Panmun	181,807			181,807
Kangwon-do	Bopdong	39,700			39,700
	Cholwon	99,720			99,720
	Chonnae	26,338			26,338
	Ichon	94,399			94,399
	Munchon	129			129
	Pangyo	75,740			75,740
	Pyonggang	57,796			57,796
	Sepo	16,896			16,896
P'yongan-bukto	Bakchon		196,759		196,759
	Byokdong		16,761	44,484	61,245
	Changsong			48,937	48,937
	Cholsan			147,446	147,446
	Chonma			76,170	76,170
	Daegwan			102,337	102,337
	Dongrim			154,483	154,483
	Hyangsan	49,125			49,125
	Jongju			225,588	225,588
	Kujang	187,897			187,897
	Kusong			179,595	179,595
	Kwaksan			153,798	153,798
	Nyongbyon	100,490	107,296		207,786

		<b>Pihyon</b>			214,309	214,309
		<b>Ryongchon</b>			64,234	64,234
		<b>Sakju</b>			166,401	166,401
		<b>Sinuiju</b>			189,954	189,954
		<b>Sonchon</b>			155,617	155,617
		<b>Taechon</b>		159,387	41,133	200,520
		<b>Tongchang</b>		46,295	6,818	53,113
		<b>Uiju</b>			150,862	150,862
		<b>Unjon</b>		91,107	79,781	170,888
		<b>Unsan</b>	117,161	56,607		173,768
		<b>Yomju</b>			178,074	178,074
	<b>P'yongan-namdo</b>	<b>Anju</b>	59,529	91,218		150,747
		<b>Bukchang</b>	203,223			203,223
		<b>Chongnam</b>		34,663		34,663
		<b>Daedong</b>		112,467		112,467
		<b>Daehung</b>	39,017			39,017
		<b>Dokchon</b>	193,842			193,842
		<b>Dukjang</b>	33,119			33,119
		<b>Hoichang</b>	91,529			91,529
		<b>Jungsan</b>		94,347	81,011	175,358
		<b>Kaechon</b>	316,715			316,715
		<b>Maengsan</b>	58,905			58,905
		<b>Mundok</b>		192,377	3,240	195,617
		<b>Nyongwon</b>	49,025			49,025
		<b>Onchon</b>		2,510	128,697	131,207
		<b>Pyongsong</b>	287,971			287,971
		<b>Pyongwon</b>	16,631	184,183		200,814
		<b>Sinyang</b>	63,795			63,795
		<b>Songchan</b>	214,056			214,056
		<b>Sukchon</b>	9,634	214,188	4,358	228,180
		<b>Sunchon</b>	369,966			369,966
	<b>Unsan</b>	187,607			187,607	
	<b>Yangdok</b>	81,699			81,699	
	<b>P'yongyang-si</b>	<b>Chunghwa</b>	71,859	19,512		91,371
		<b>Kangdong</b>	246,936			246,936
		<b>Kangnam</b>		63,060		63,060
		<b>Pyongyang</b>	2,035,291	820,300		2,855,591
		<b>Sangwon</b>	216,386			216,386
	<b>Unjong</b>	32,207			32,207	
	<b>Yanggang-do</b>	<b>Kimhyongjik</b>	8,825			8,825
<b>DEM PEOPLE'S REP OF KOREA - TOT</b>			10,264,944	4,273,376	3,413,425	17,951,745
<b>JAPAN</b>						
	<b>Kagosima</b>	<b>Amagityoo</b>	6,401			6,401
		<b>Isentyoo</b>	6,581			6,581
		<b>Tinatyoo</b>	6,471			6,471
		<b>Tokunosimatyoo</b>	9,081			9,081
		<b>Wadomarityoo</b>	6,542			6,542
	<b>Okinawa</b>	<b>Yorontyoo</b>	4,398			4,398
		<b>Agunison</b>	805			805
		<b>Ginowansi</b>	67,145			67,145
		<b>Ginozason</b>	5,385			5,385
		<b>Gusikamison</b>	8,126			8,126
		<b>Gusikawasi</b>	69,000			69,000
		<b>Gusikawason</b>	4,031	168		4,199
		<b>Gusukubetyoo</b>	7,704			7,704
		<b>Haebarutyoo</b>	35,994			35,994
		<b>Higasison</b>	1,796			1,796
		<b>Hirarasi</b>	29,177			29,177
		<b>Ieson</b>	4,533			4,533
		<b>Iheyason</b>	1,280			1,280
		<b>Irabutyoo</b>	2,101			2,101
		<b>Isigakisi</b>	46,687			46,687
		<b>Isikawasi</b>	22,316			22,316
		<b>Itomansi</b>	48,440			48,440
		<b>Izenason</b>	1,347			1,347
		<b>Kadenatyoo</b>	15,317			15,317
		<b>Katurentyoo</b>	8,626			8,626
	<b>Kintyoo</b>	14,423			14,423	
	<b>Kitanakagusukuson</b>	19,553			19,553	
	<b>Kotindatyoo</b>	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>Uenoson</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>		1,281,677	168		1,281,845
	<b>REPUBLIC OF KOREA</b>	<b>Cheju-do</b>	---			589,430
		<b>Chollabuk-do</b>	---			1,764,109
		<b>Chollanam-do</b>	---	2,074,559	474	2,075,033
		<b>Chungchongbuk-do</b>	---	157,152		157,152
		<b>Chungchongnam-do</b>	---	2,065,015		2,065,015
		<b>Inchon</b>	---	2,517,241		2,517,241
		<b>Kang-won-do</b>	---	21,167		21,167
		<b>Kwangju</b>	---	579,681		579,681
		<b>Kyonggi-do</b>	---	12,295,562		12,309,477
		<b>Seoul</b>	---	9,498,463		9,498,463
	<b>Taejon</b>	---	642,462		642,462	
	<b>REPUBLIC OF KOREA - TOT</b>		32,204,841	474	13,915	32,219,230
	<b>TAIWAN</b>	<b>Taiwan Sheng</b>	<b>Name Unknown</b>	1,291,170		1,291,170
	<b>ALL - TOT</b>		92,173,796	21,937,342	5,787,048	119,898,186