

Asia Nonwovens Production in 2021



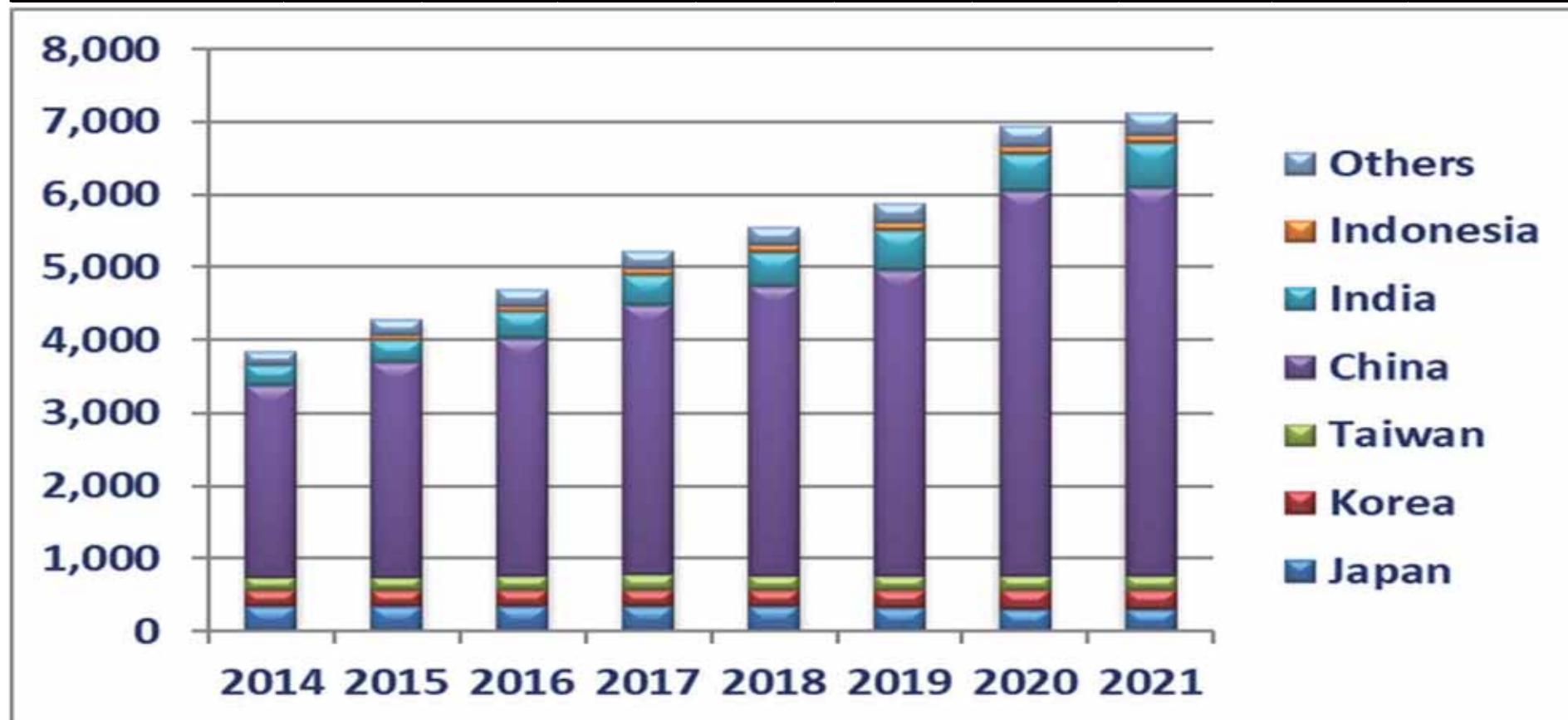
March 30th, 2022

Asia Nonwovens Production (2013-2021)

(thousand tonnes)

Source : ANFA

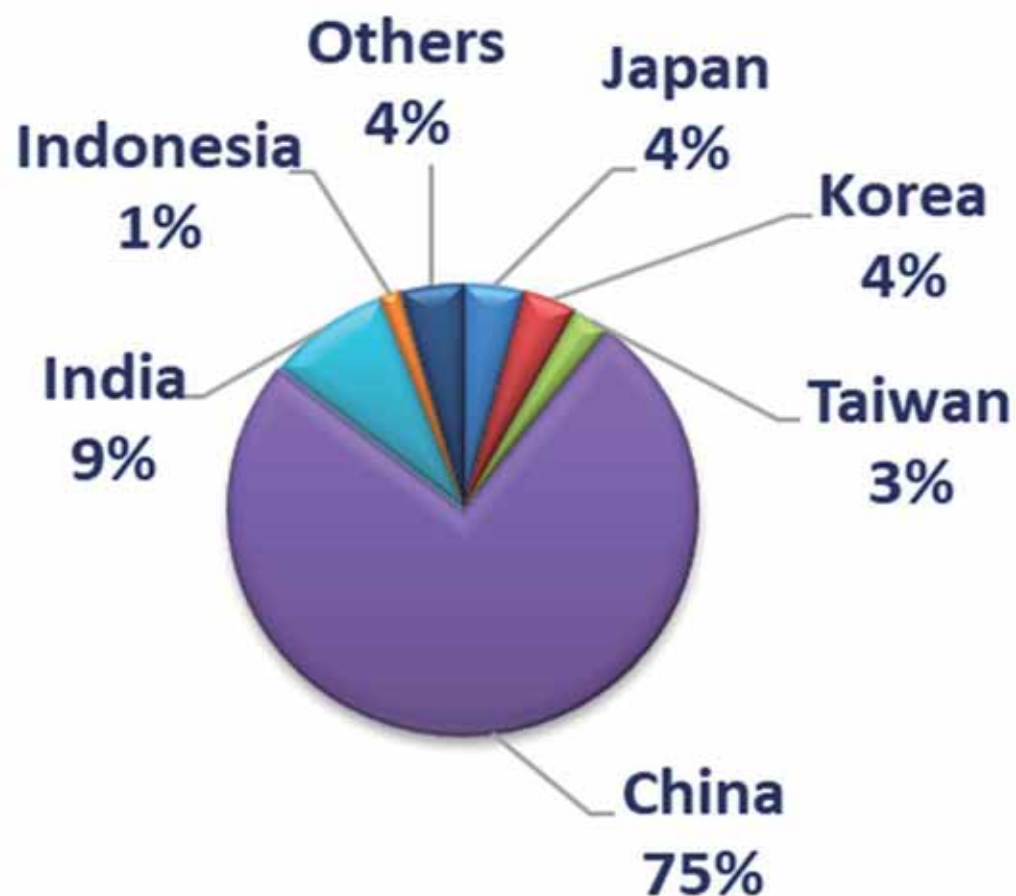
	2014	2015	2016	2017	2018	2019	2020	2021	'21/'20(%)
Japan	336	342	340	342	343	320	302	300	-0.5
Korea	221	216	226	228	227	239	271	263	-3.0
Taiwan	182	184	188	200	197	191	194	182	-6.2
China	2,635	2,941	3,260	3,705	3,960	4,210	5,273	5,340	1.3
India	277	312	365	410	475	536	514	608	18.3
Indonesia	-	69	78	91	100	106	98	104	5.4
Others	183	214	228	240	253	267	283	305	7.6
Total	3,834	4,278	4,684	5,216	5,555	5,869	6,935	7,101	23



Asia Nonwovens Production by Region (2021)

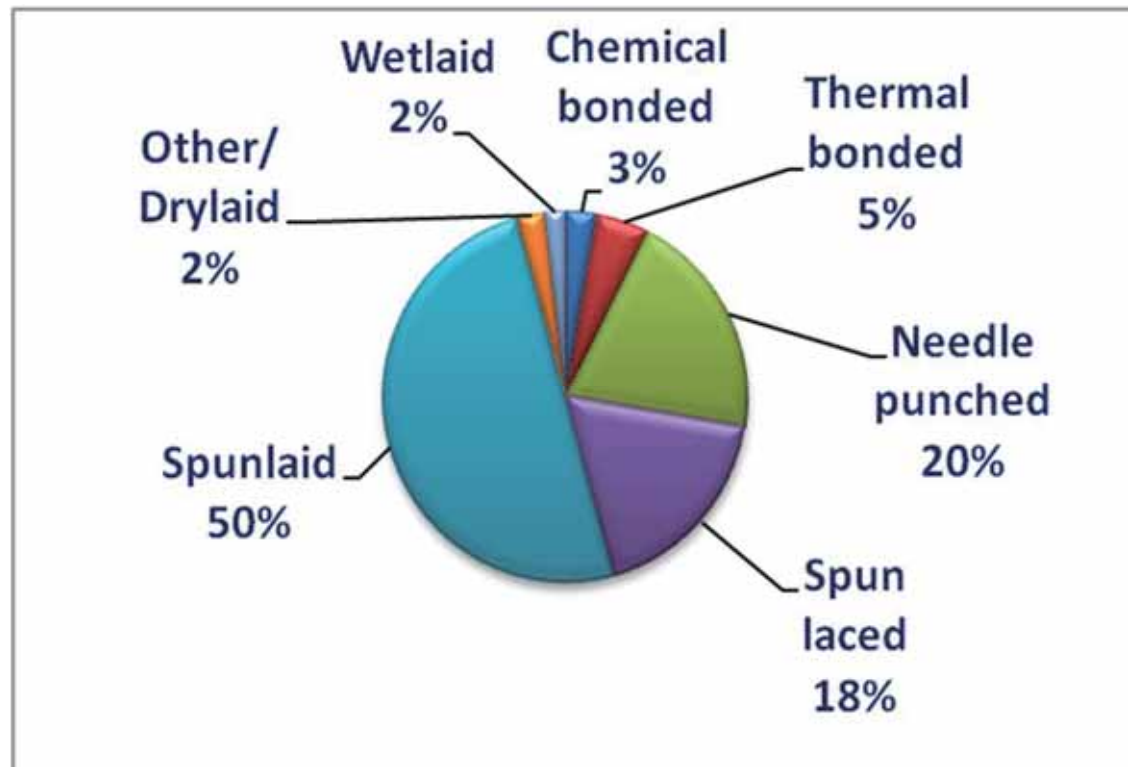
(thousand tonnes)

Japan	300
Korea	262
Taiwan	182
China	5,340
India	608
Indonesia	104
Others	305
Total	7,101



Asia Nonwovens Production by Technology in Major 6 regions (2021) (thousand tonnes)

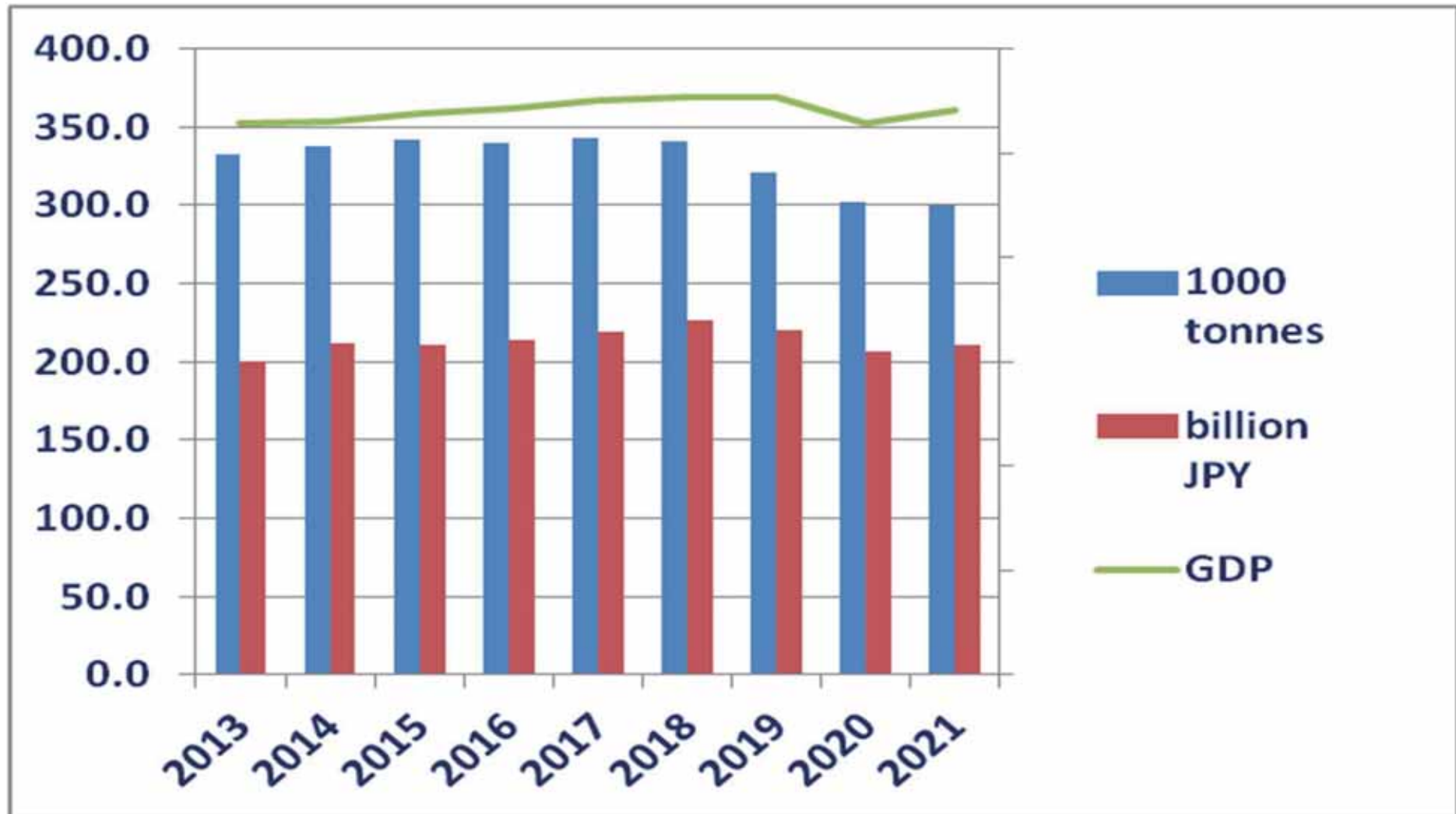
	Japan	Korea	Taiwan	China	India	Indonesia	Total
Chemicalbonded	18	20	6	145		0	188
Thermalbonded	38	27	13	230		10	319
Needlepunched	62	86	19	975	183	49	1,375
Spunlaced	44	9	81	1,050	31	6	1,221
Spunlaid	82	117	57	2,742	368	38	3,405
Other/Drylaid	20	3	4	114	25	0	166
Wetlaid	36		2	84			122
Total	300	263	182	5,340	608	104	6,796



Japan Nonwovens Production (2013~2021)

Source : METI

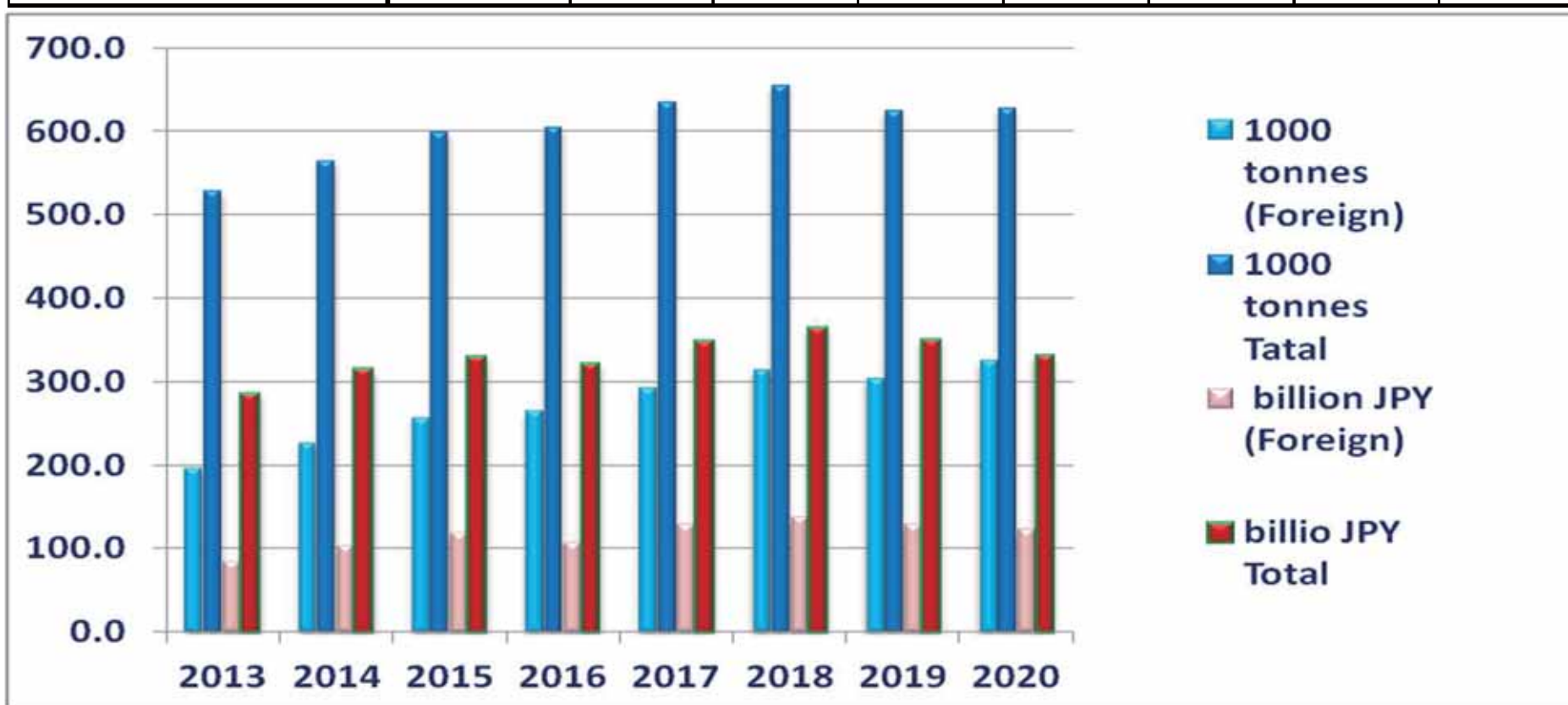
	2013	2014	2015	2016	2017	2018	2019	2020	2021
1000 tonnes	332.0	337.6	341.5	339.7	343.0	340.8	321.4	301.6	300.2
billion JPY	200.4	211.7	210.6	213.5	219.3	226.5	219.9	206.8	210.7
JPY/kg	633	655	651	657	670	694	719	720	742



Domestic and Foreign Nonwovens Production by Japanese Manufacturers (2013~2020)

Source : METI, ANNA

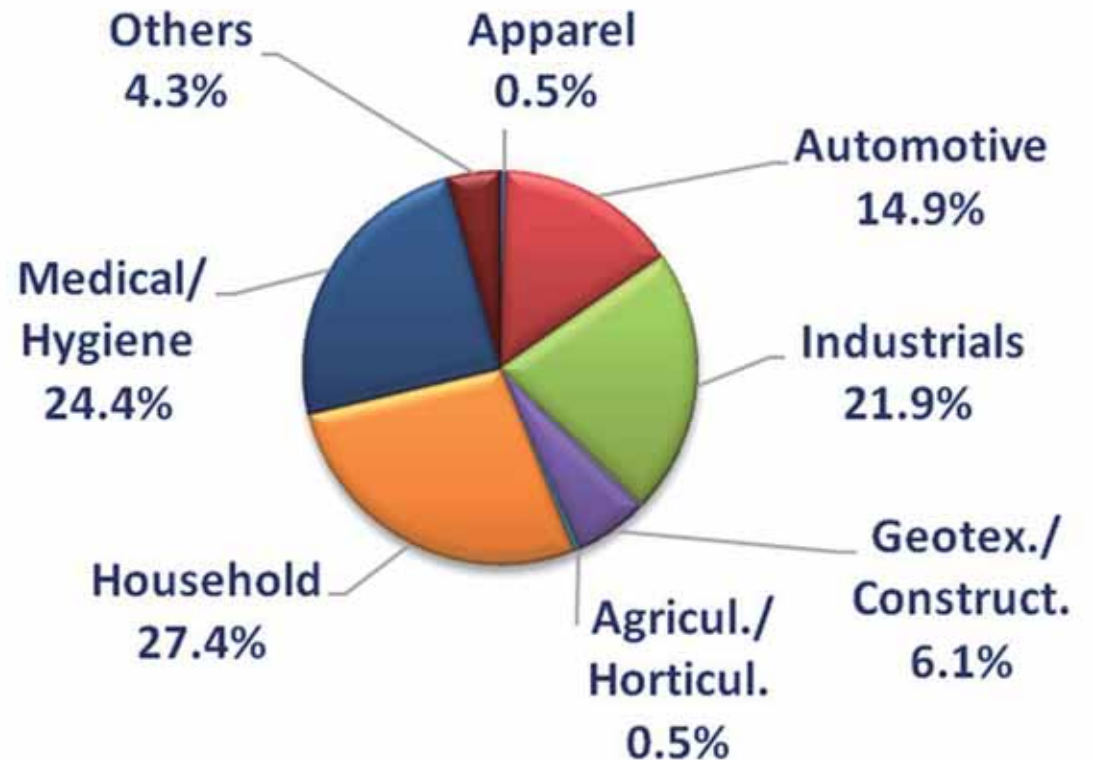
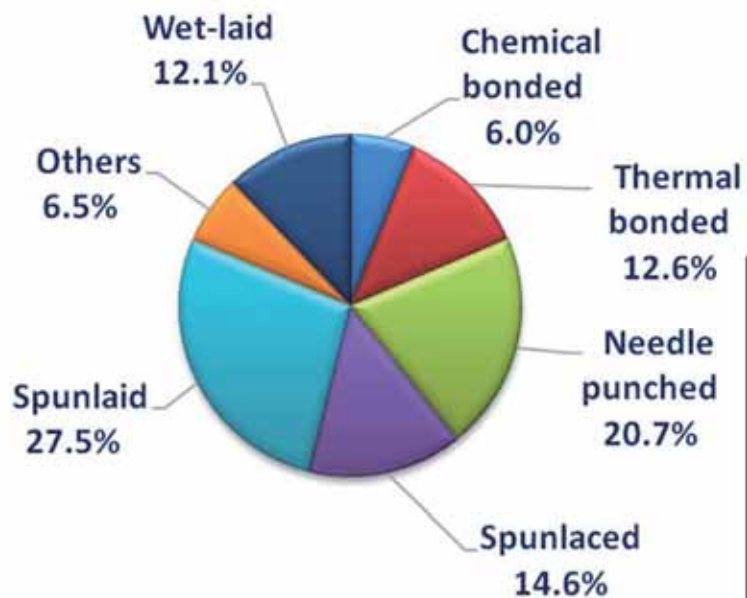
	2013	2014	2015	2016	2017	2018	2019	2020
Tonnes (Domestic)	332.0	337.6	341.5	339.7	343.0	340.8	321.4	301.6
Tonnes (Foreign)	196.3	226.0	256.4	264.7	291.3	313.8	302.9	324.9
Tonnes Total	528.3	563.6	597.9	604.4	634.3	654.6	624.3	626.5
JPY (Domestic)	200.4	211.7	210.6	213.5	219.3	226.5	219.9	206.8
JPY (Foreign)	84.1	102.5	118.6	106.9	128.9	137.4	128.6	123.2
JPY Total	284.5	314.2	329.2	320.4	348.2	363.9	348.5	330.0



Note: Japanese Foreign Manufacturers: capitalization ratio: 49% or more

Japan Nonwovens Production by Technology & Application (2021) (300.2 thousand tonnes)

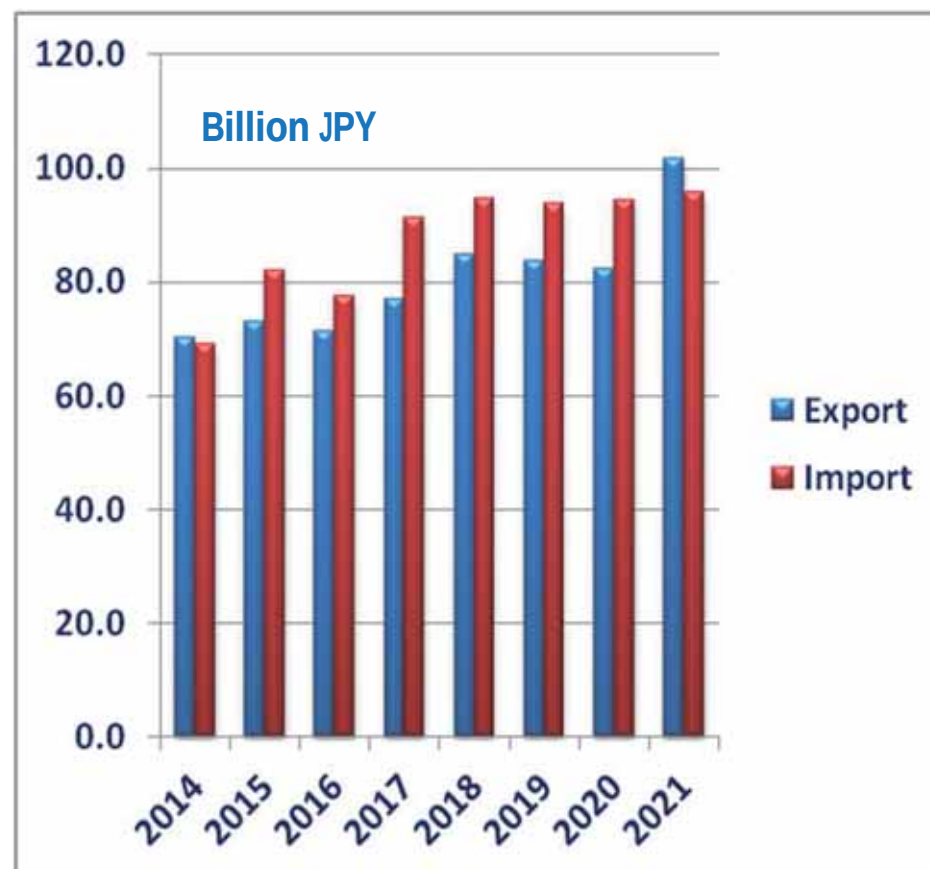
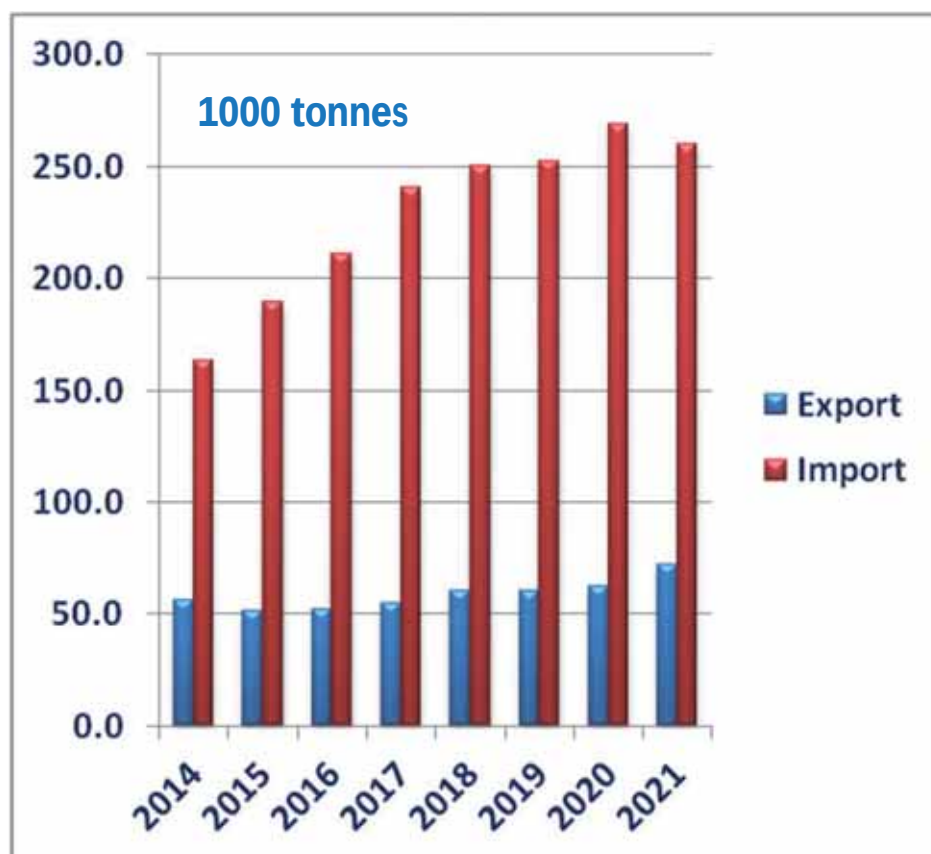
Source : METI



Japan Trend in Export & Import (2014-2021)

Source : Ministry of Finance

		2014	2015	2016	2017	2018	2019	2020	2021
1000 tonnes	Export	56.4	51.3	52.0	55.0	60.4	60.5	62.1	72.2
	Import	163.0	189.8	211.2	240.5	250.4	252.6	269.2	259.8
billion JPY	Export	70.1	73.0	71.2	77.0	84.7	83.6	82.3	101.6
	Import	69.2	82.0	77.5	91.2	94.8	93.7	94.5	95.9
JPY/kg	Export	1,243	1,423	1,369	1,400	1,402	1,382	1,325	1,407
	Import	425	432	367	379	379	371	351	369

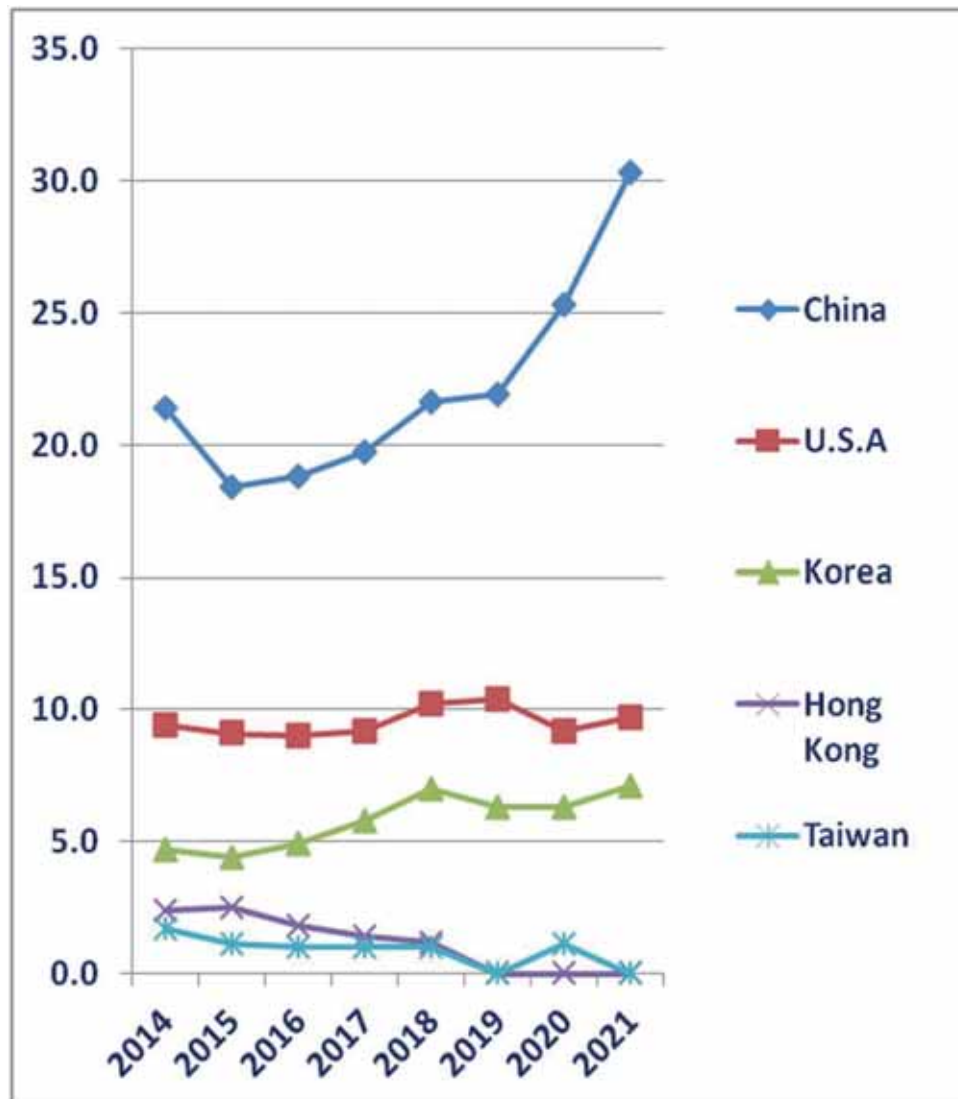


Top 5 Countries in Export & Import of Japan

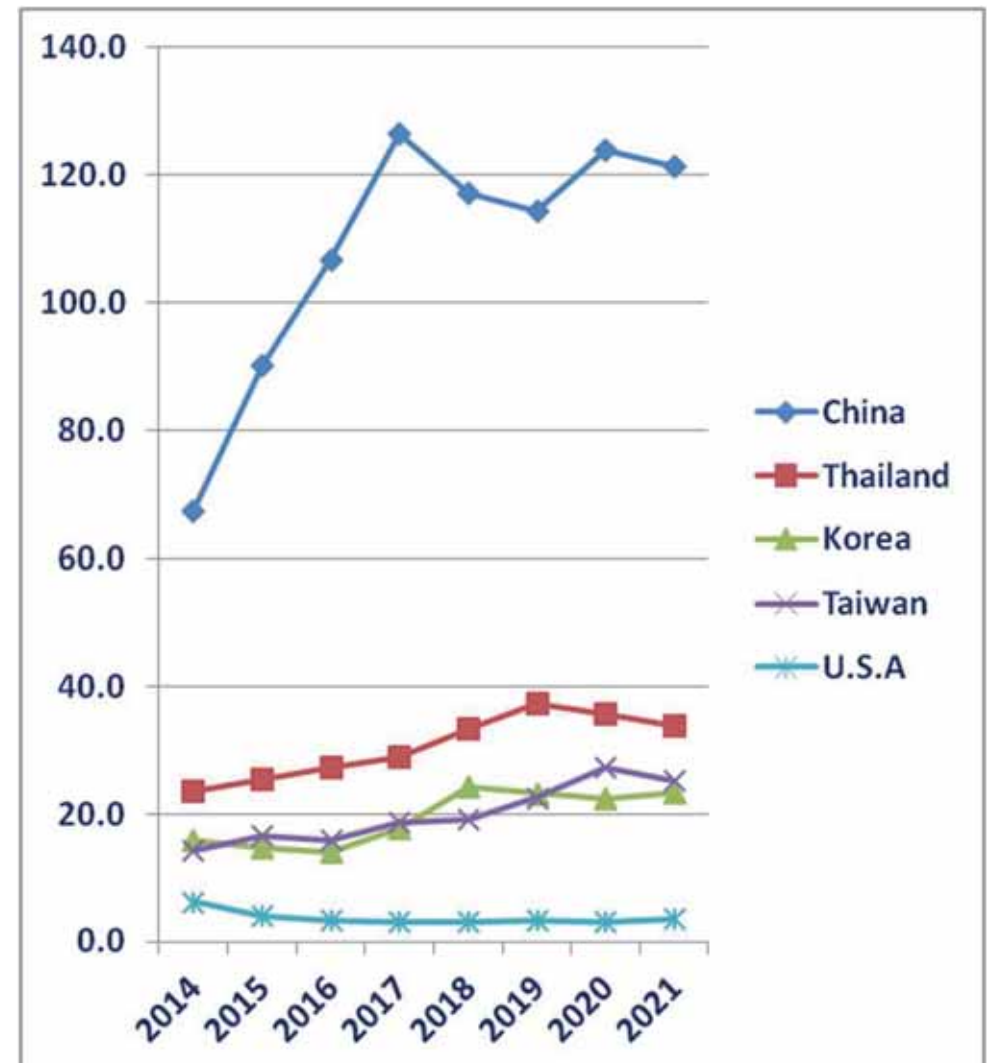
(1000 tonnes)

Source : Ministry of Finance

Export



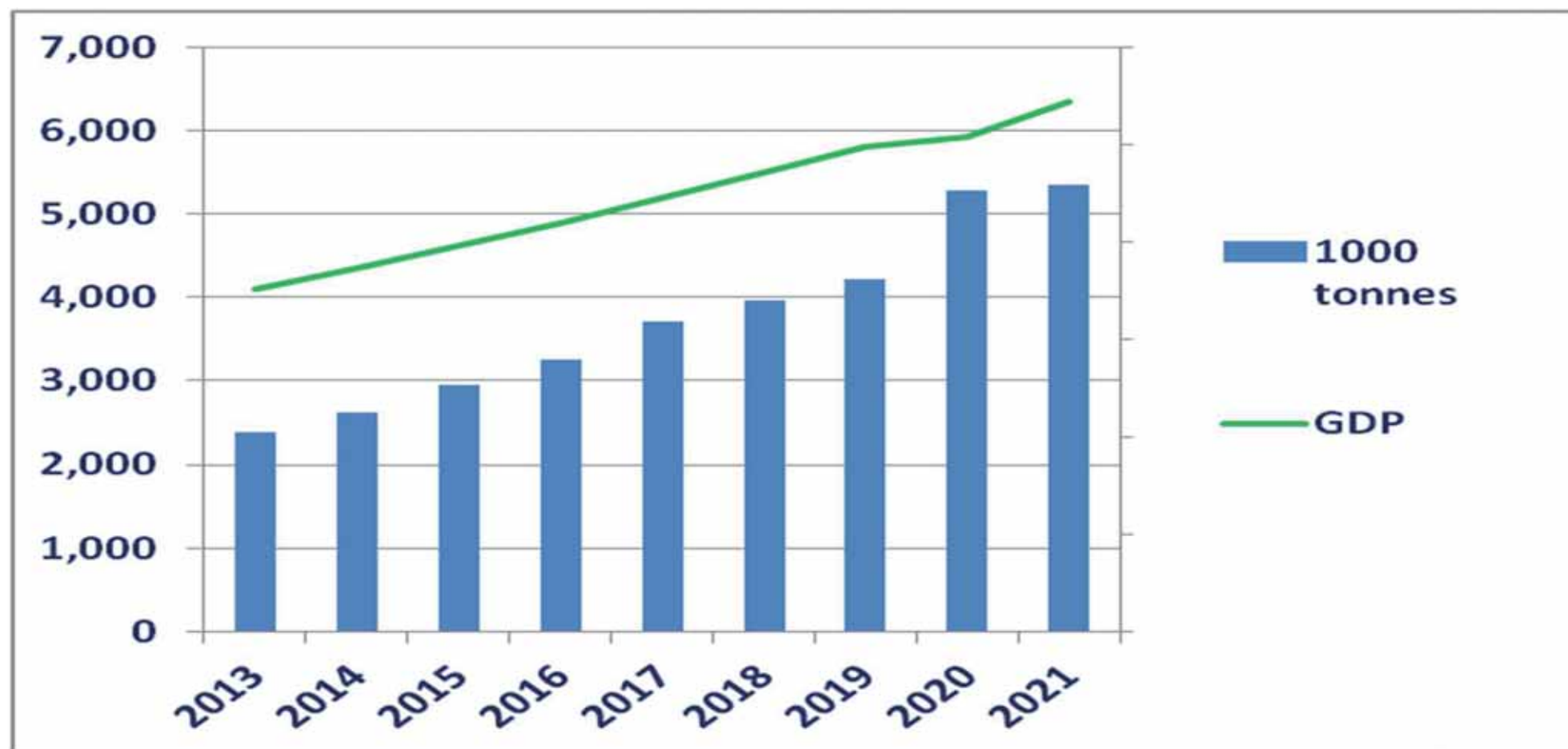
Import



China Nonwovens Production (2013~2021)

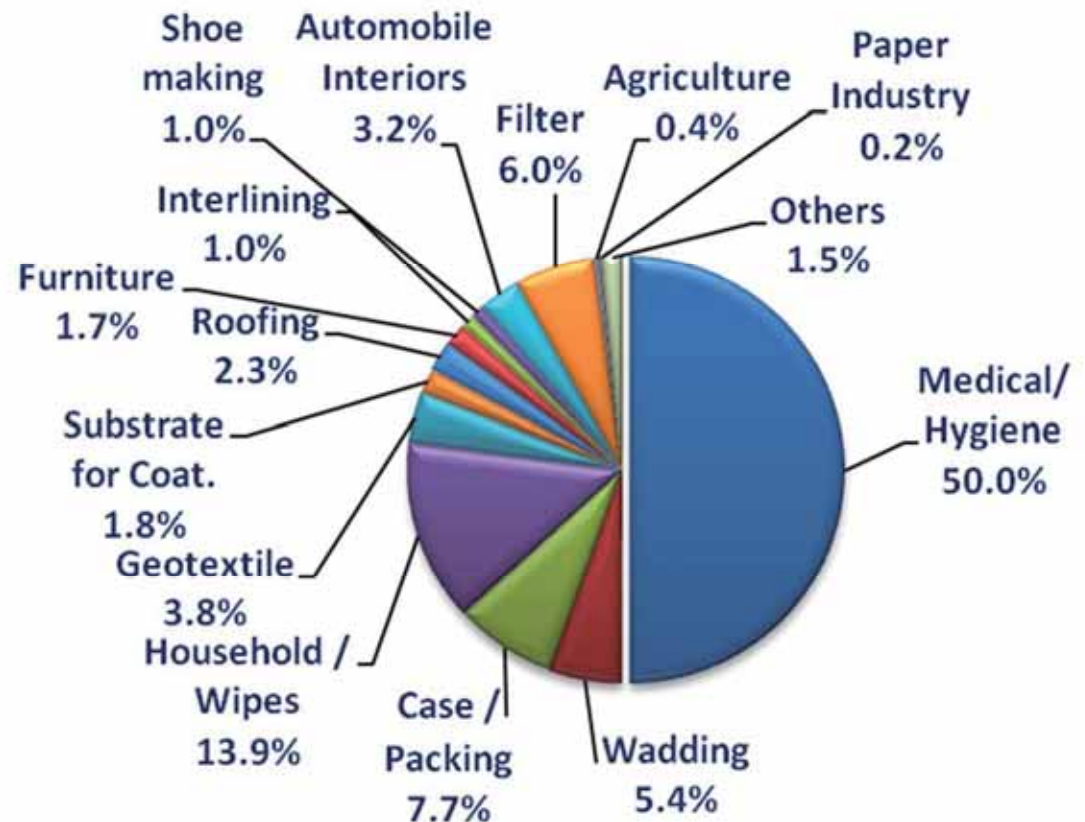
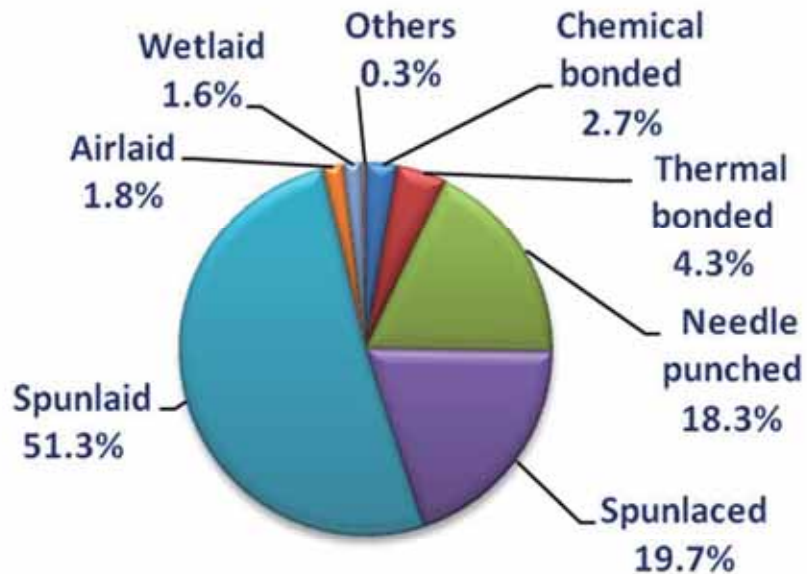
Source : CNTA

	2013	2014	2015	2016	2017	2018	2019	2020	2021
1000 tonnes	2,387	2,635	2,941	3,260	3,705	3,960	4,210	5,273	5,340
Annual Growth (%)	10.4	10.4	11.6	10.8	13.7	6.9	6.3	25.2	1.3



China Nonwovens Production by Technology & Application (2021) (5,340 thousand tons)

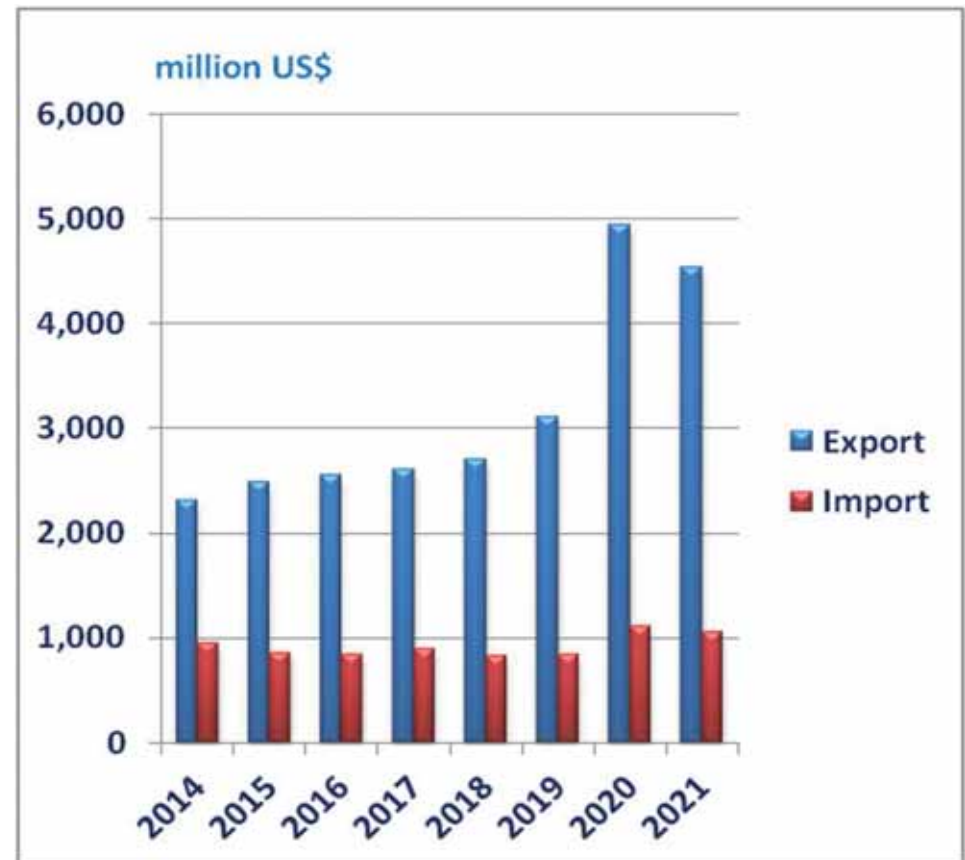
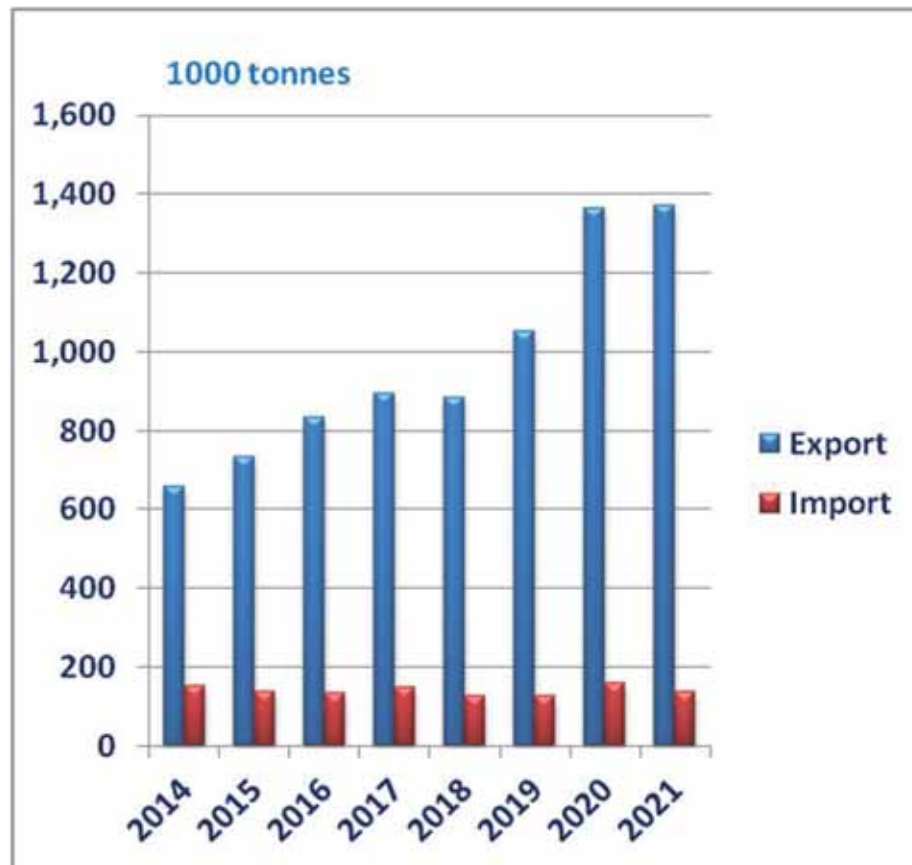
Source : CNTA



China Trend in Export & Import (2014-2021)

Source : CNTA

		2014	2015	2016	2017	2018	2019	2020	2021
1000 tonnes	Export	656	731	833	894	882	1,051	1,364	1,371
	Import	152	138	133	147	127	127	159	135
million US\$	Export	2,312	2,482	2,556	2,614	2,706	3,111	4,949	4,543
	Import	948	859	843	897	827	842	1,106	1,056
US\$/kg	Export	3.52	3.40	3.07	2.92	3.07	2.96	3.63	3.31
	Import	6.24	6.23	6.35	6.09	6.54	6.63	6.96	7.81

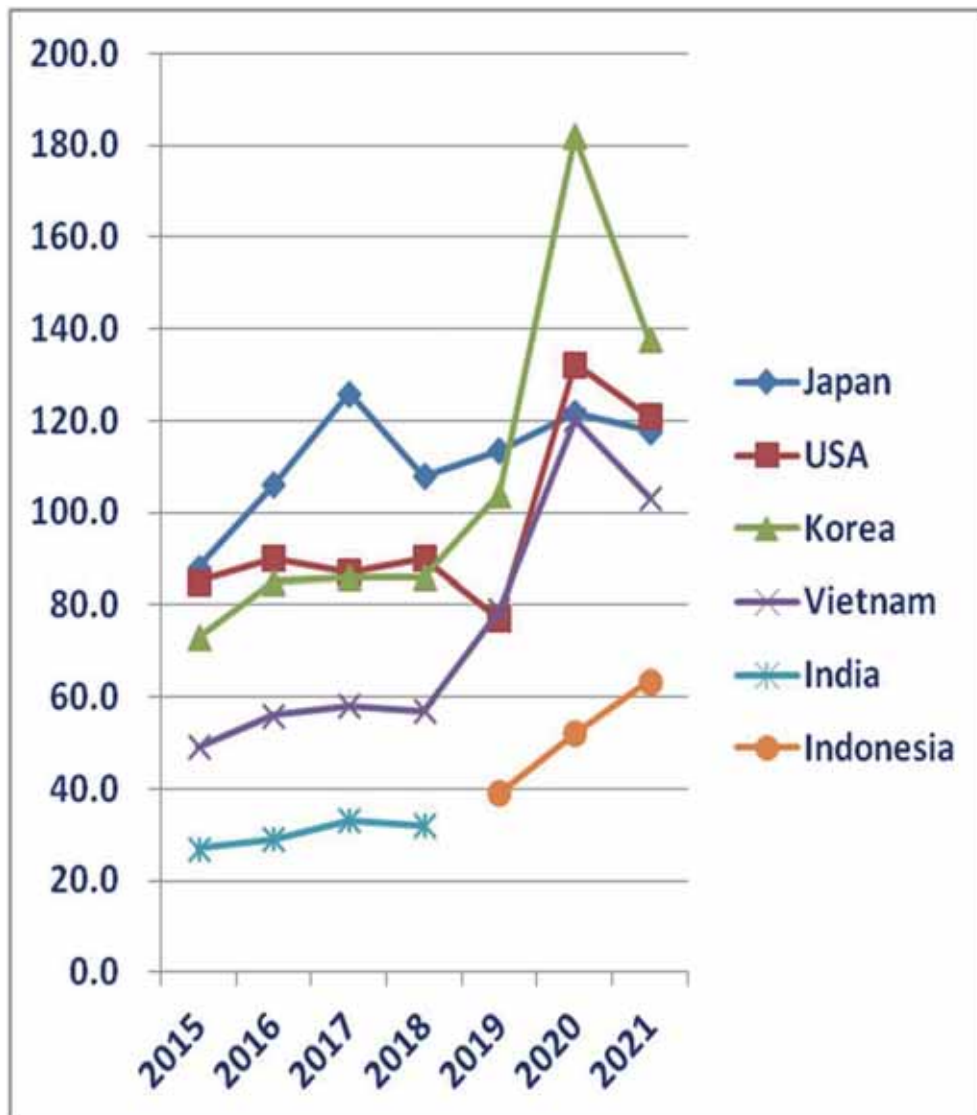


Top 5 Countries in Export & Import of China

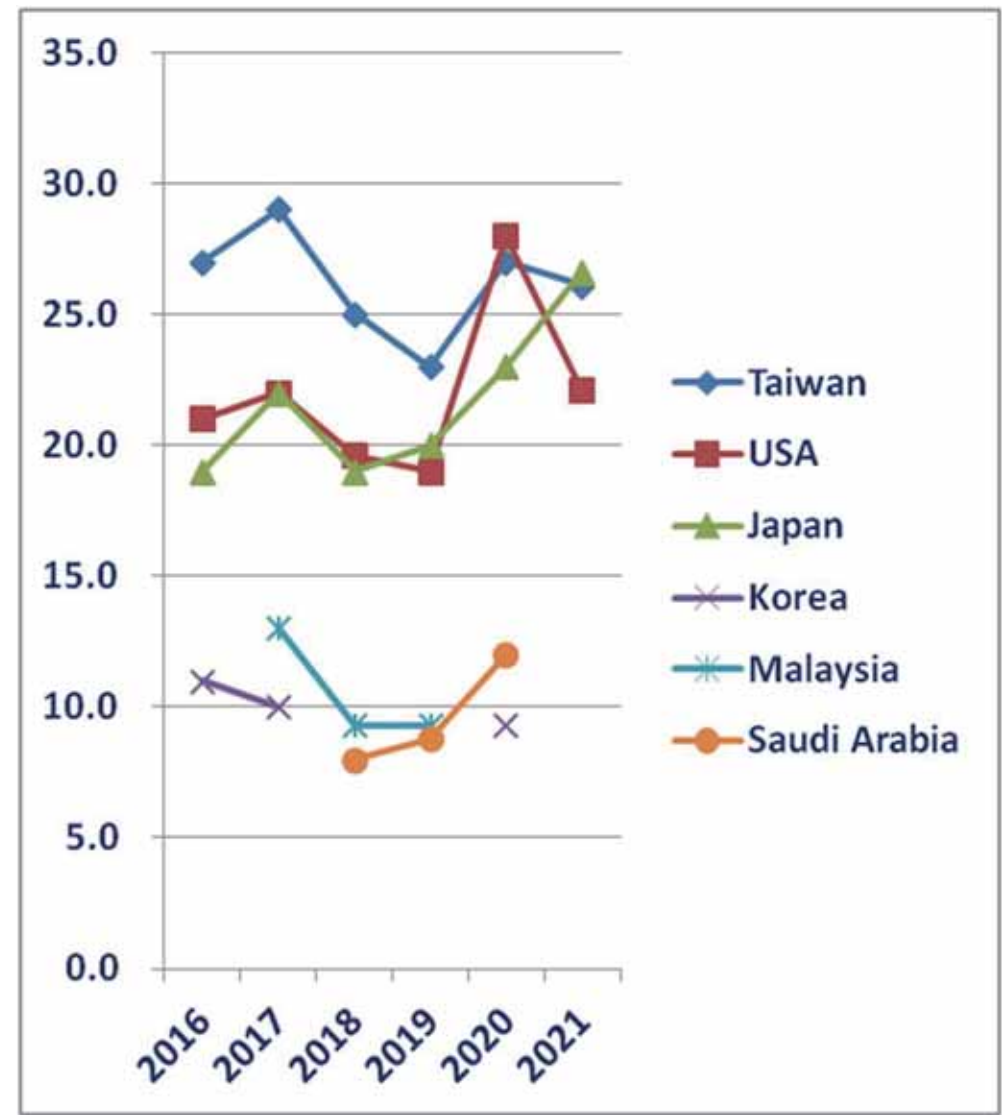
(thousand tonnes)

Source : CNTA

Export



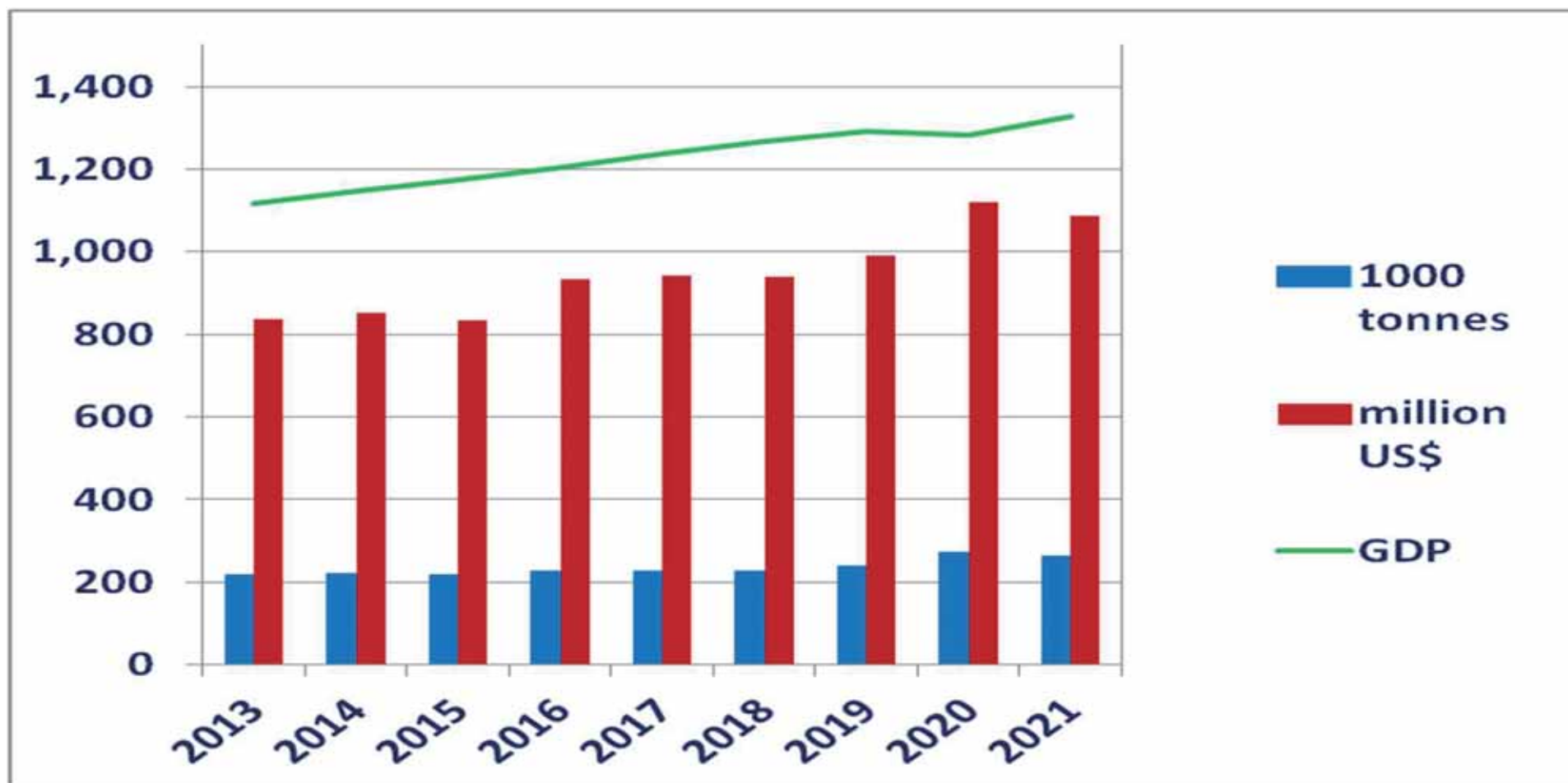
Import



Korea Nonwovens Production (2013~2021)

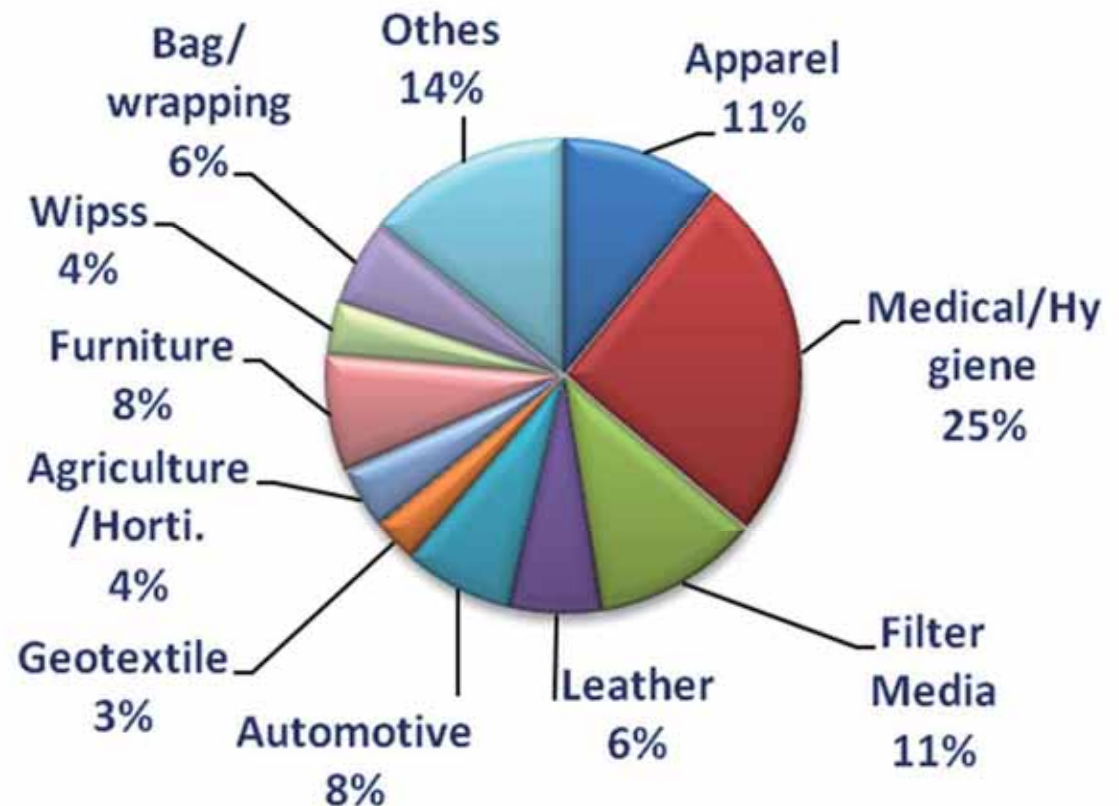
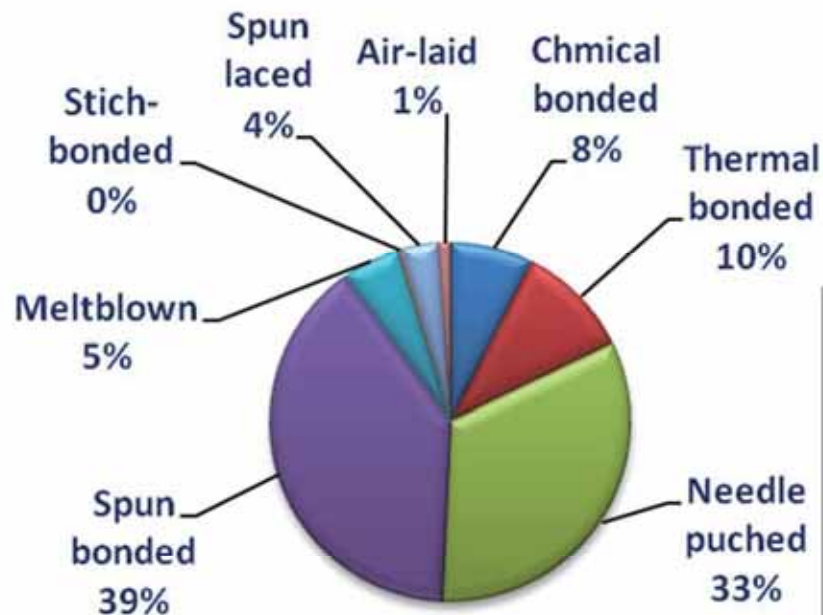
Source : KNIC

	2013	2014	2015	2016	2017	2018	2019	2020	2021
1000 tonnes	217.1	221.3	216.2	225.5	227.8	227.2	239.3	270.7	262.8
million US\$	837	853	833	932	942	940	989	1,120	1,087
US\$/kg	3.86	3.85	3.85	4.13	4.13	4.14	4.13	4.14	4.14



Korea Nonwovens Production by Technology & Application (2021) (262.8 thousand tonnes)

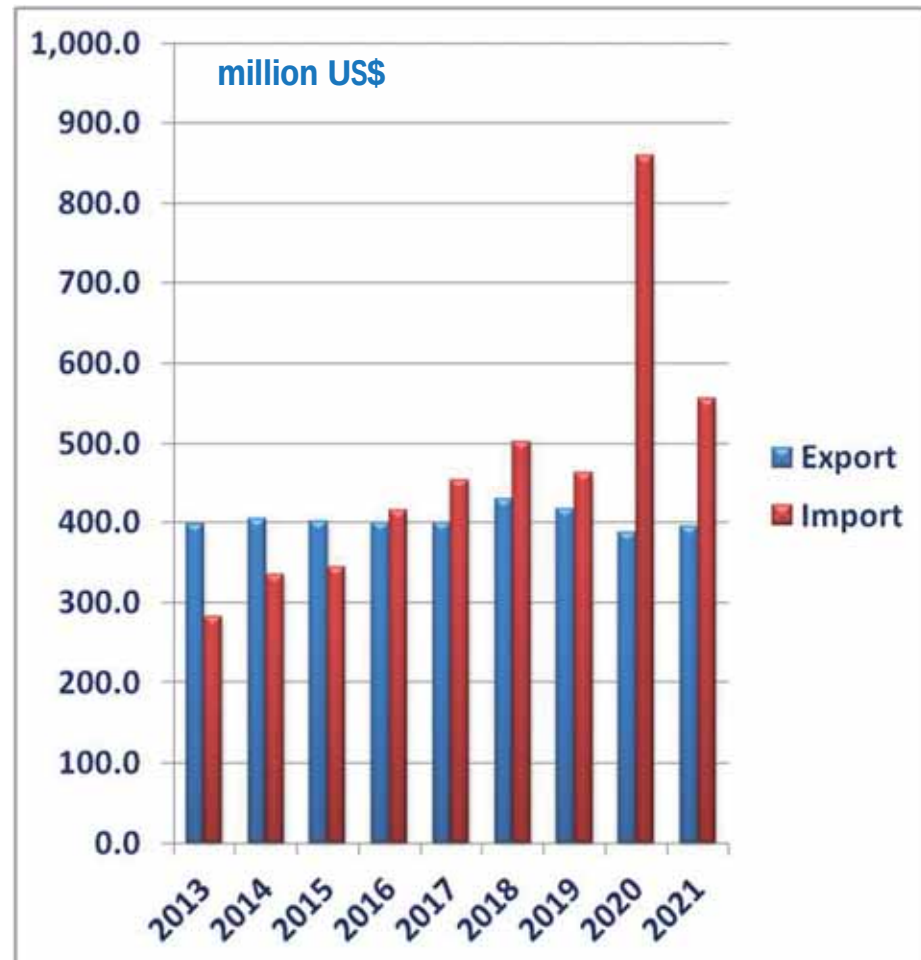
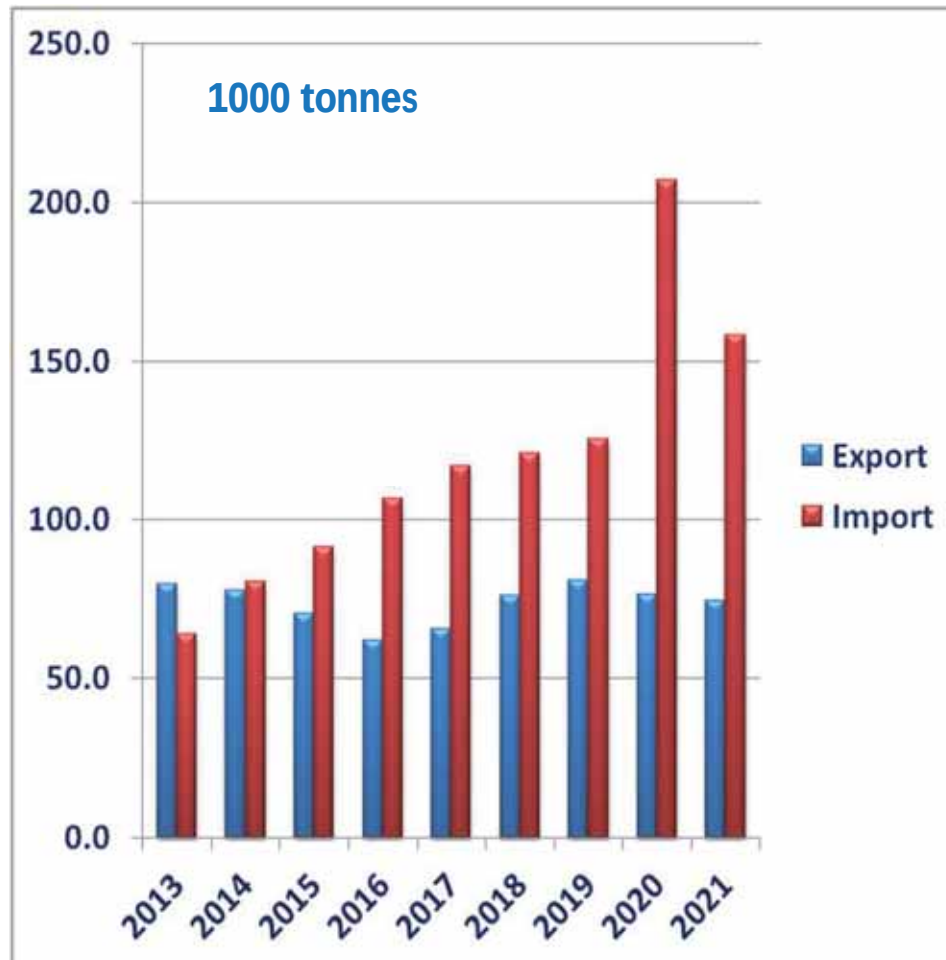
Source : KNIC



Korea Trend in Export & Import (2013-2021)

Source : KNIC

		2013	2014	2015	2016	2017	2018	2019	2020	2021
1000 tonnes	Export	80	78	70	62	66	76	81	77	74
	Import	64	81	92	107	117	121	126	207	158
million US\$	Export	398	404	400	400	400	428	416	387	395
	Import	282	334	344	416	454	502	463	859	557
US\$/kg	Export	4.98	5.20	5.69	6.45	6.11	5.63	5.14	5.05	5.31
	Import	4.41	4.15	3.76	3.89	3.86	4.14	3.69	4.15	3.51



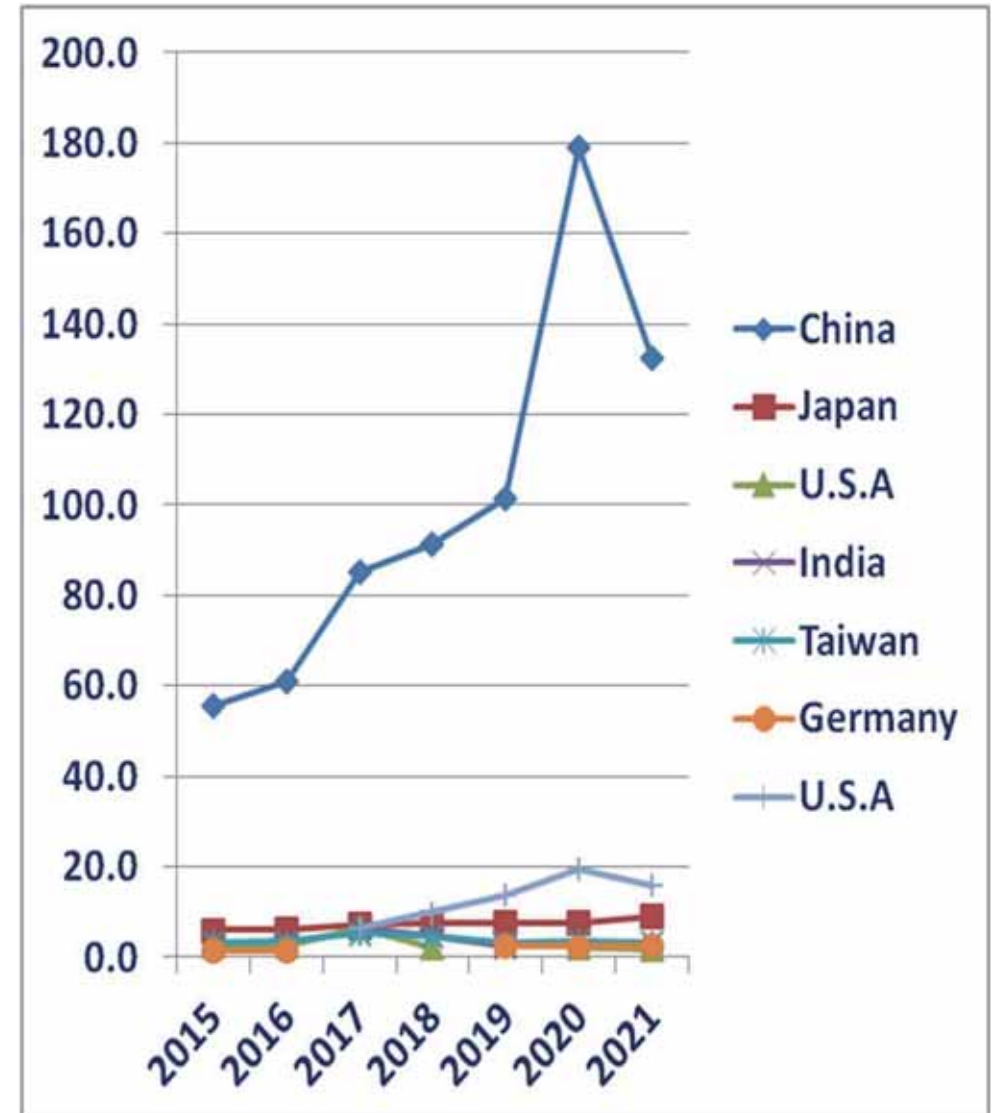
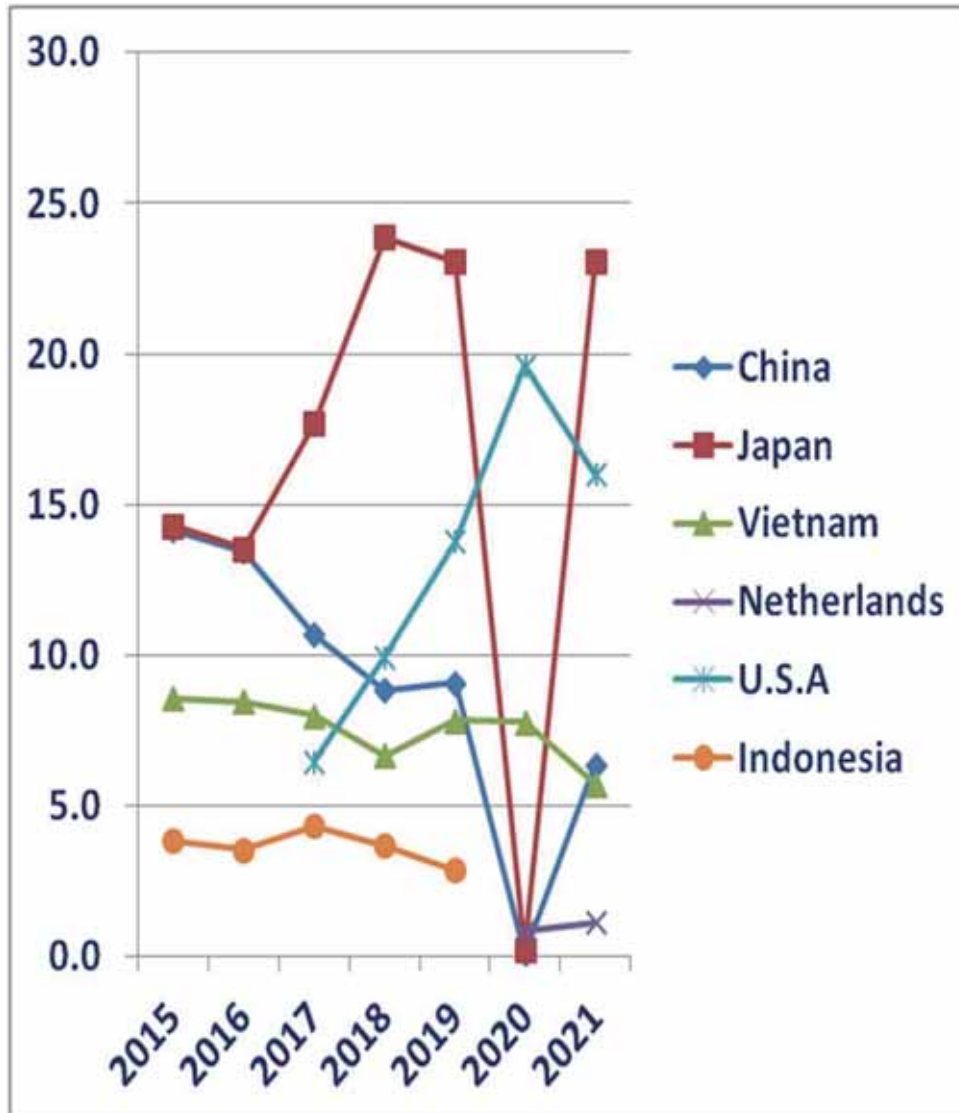
Top 5 Countries in Export & Import of Korea

(thousand tonnes)

Source : KNIC

Export

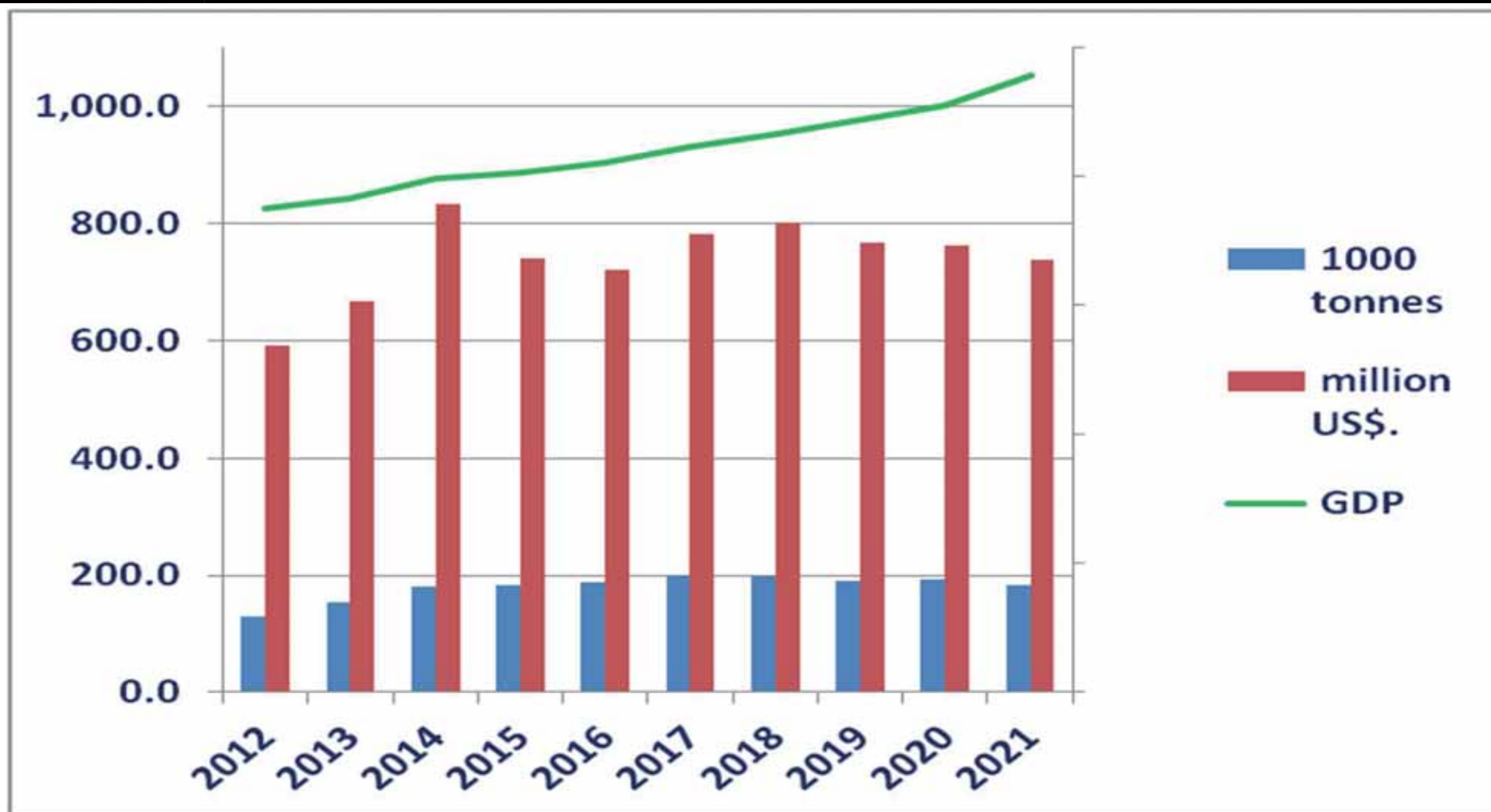
Import



Taiwan Nonwovens Production (2012~2021)

Source : TNFIA

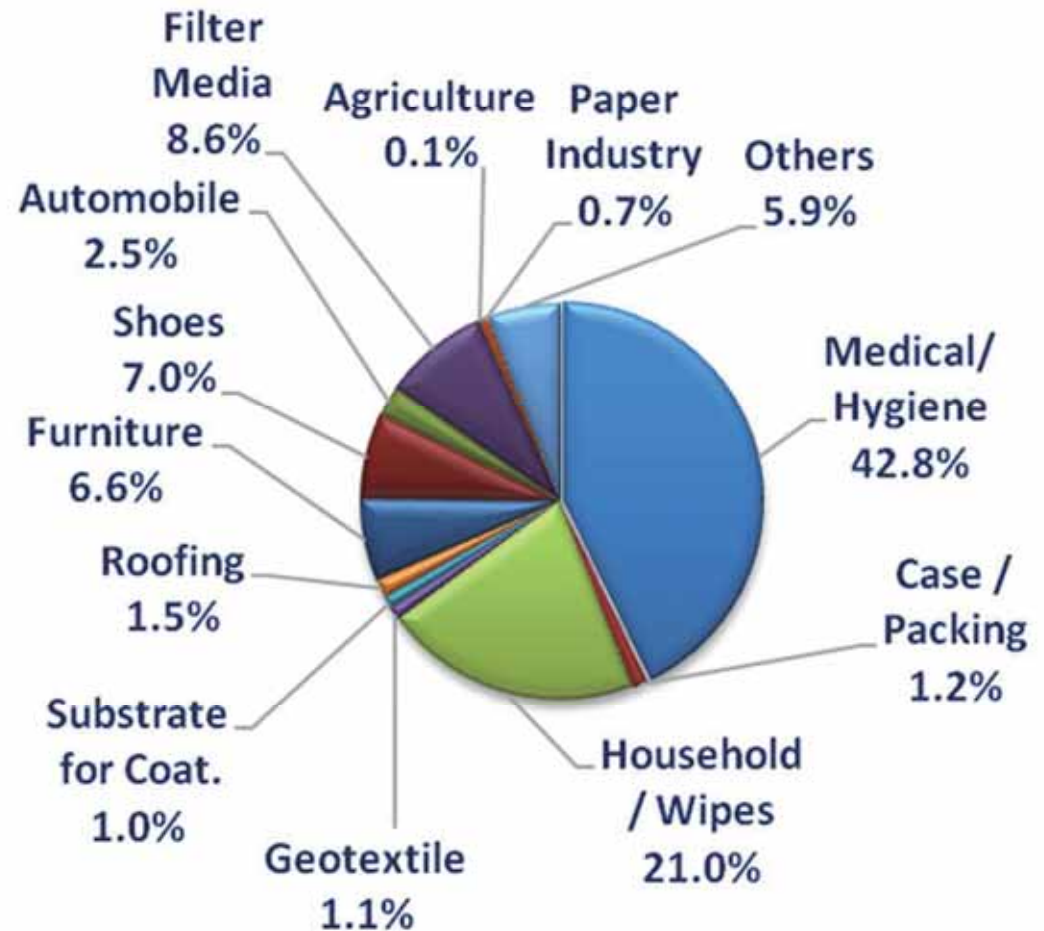
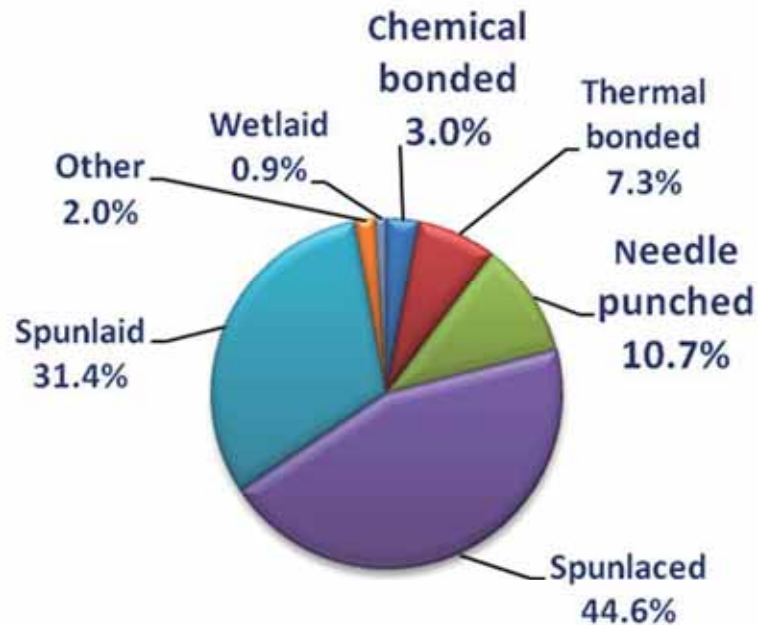
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
1000 tonnes	130.5	153.1	181.5	183.7	188.0	200.4	197.3	191.4	193.6	182.0
million US\$.	591.8	667.2	833.4	739.3	721.8	781.7	802.4	768.3	761.6	738.9
US\$/kg	4.53	4.36	4.59	4.02	3.84	3.90	4.07	4.01	3.93	4.06



Taiwan Nonwovens Production by Technology & Application (2021)

(182 thousand tonnes)

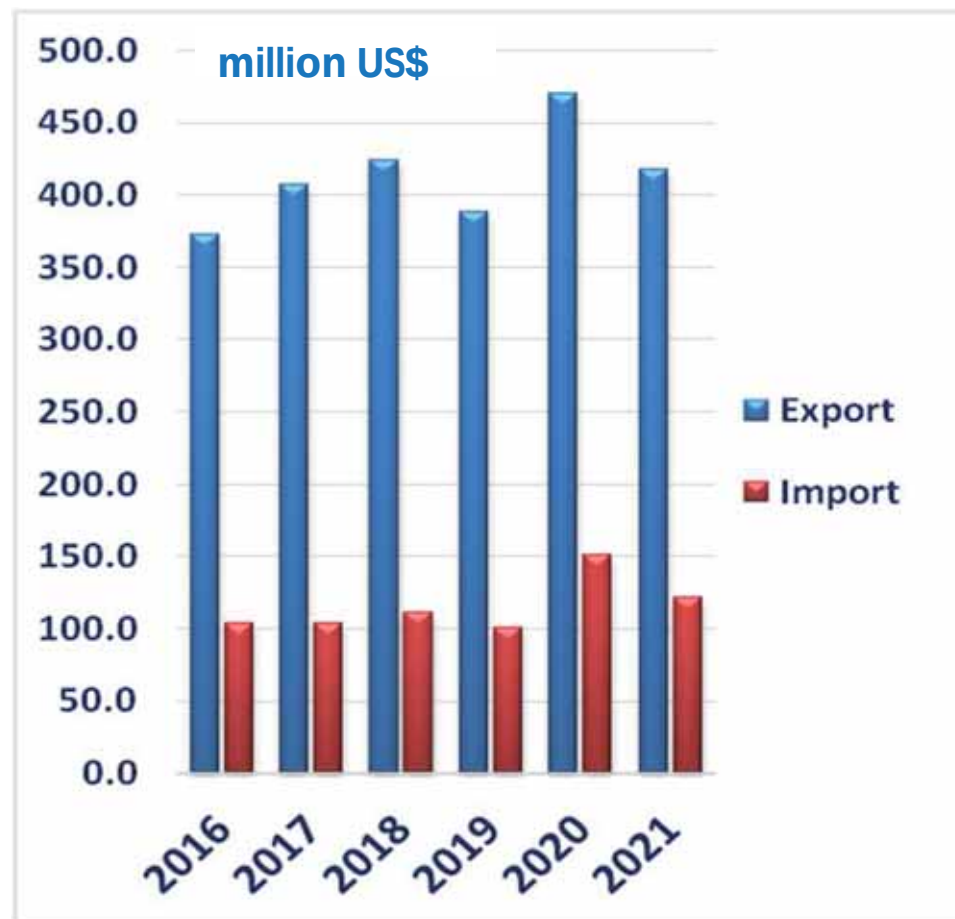
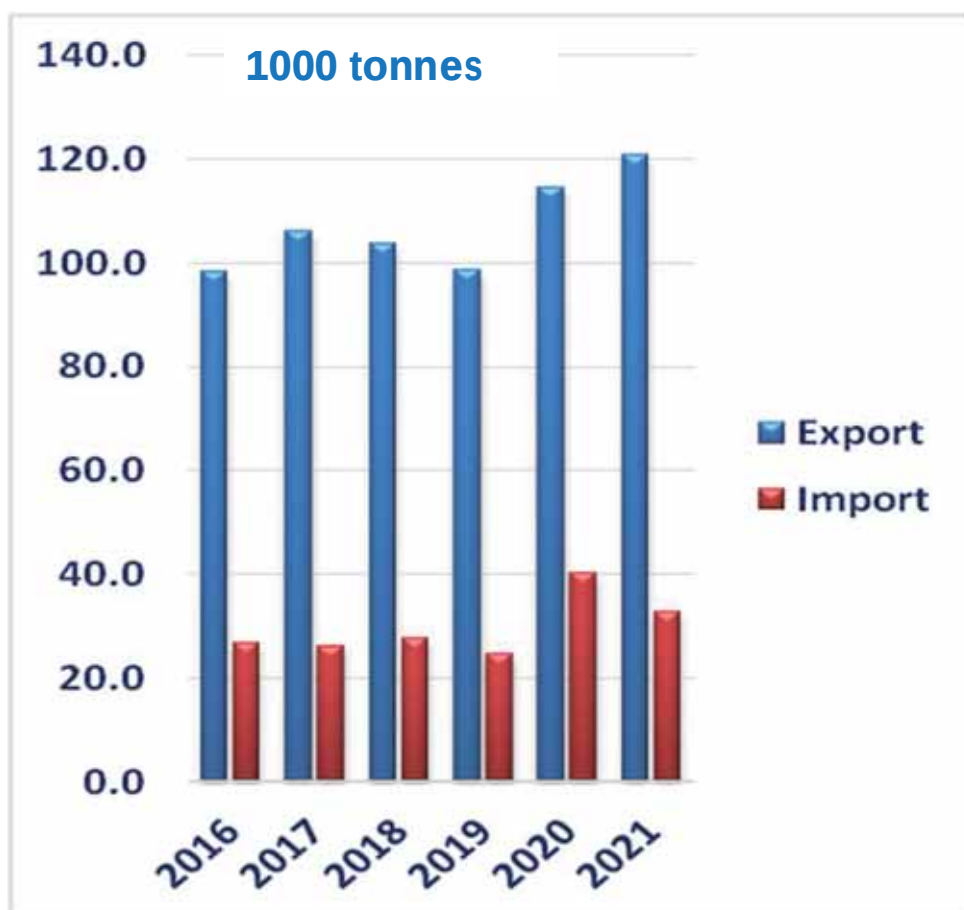
Source : TNFIA



Taiwan Trend in Export & Import (2016-2021)

Source : TNFIA

		2016	2017	2018	2019	2020	2021
1000 tonnes	Export	98.2	106.0	103.8	98.7	114.3	120.6
	Import	26.6	26.1	27.5	24.6	40.2	32.8
million US\$	Export	372.5	407.3	423.9	388.2	470.2	417.2
	Import	103.2	103.3	111.4	100.5	150.8	121.6
US\$/kg	Export	3.79	3.84	4.08	3.93	4.11	3.46
	Import	3.88	3.96	4.05	4.09	3.75	3.71

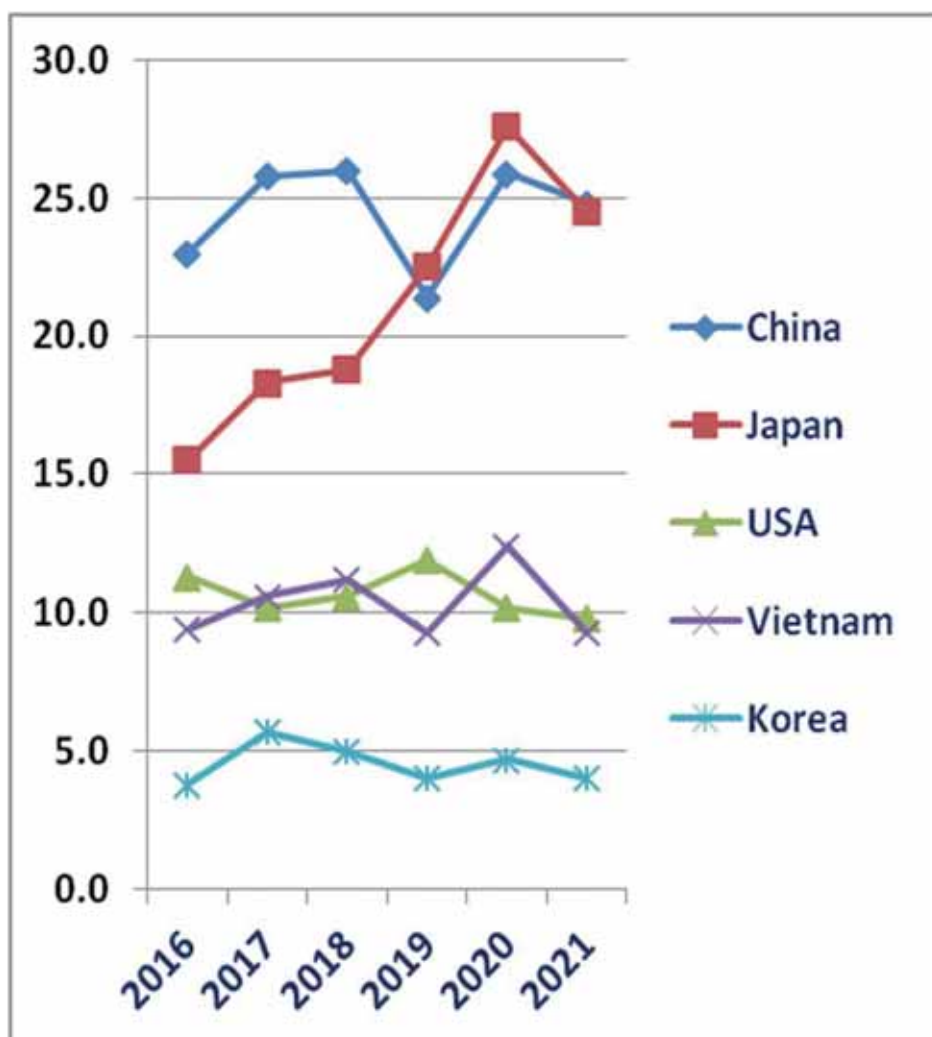


Top 5 Countries in Export & Import of **Taiwan**

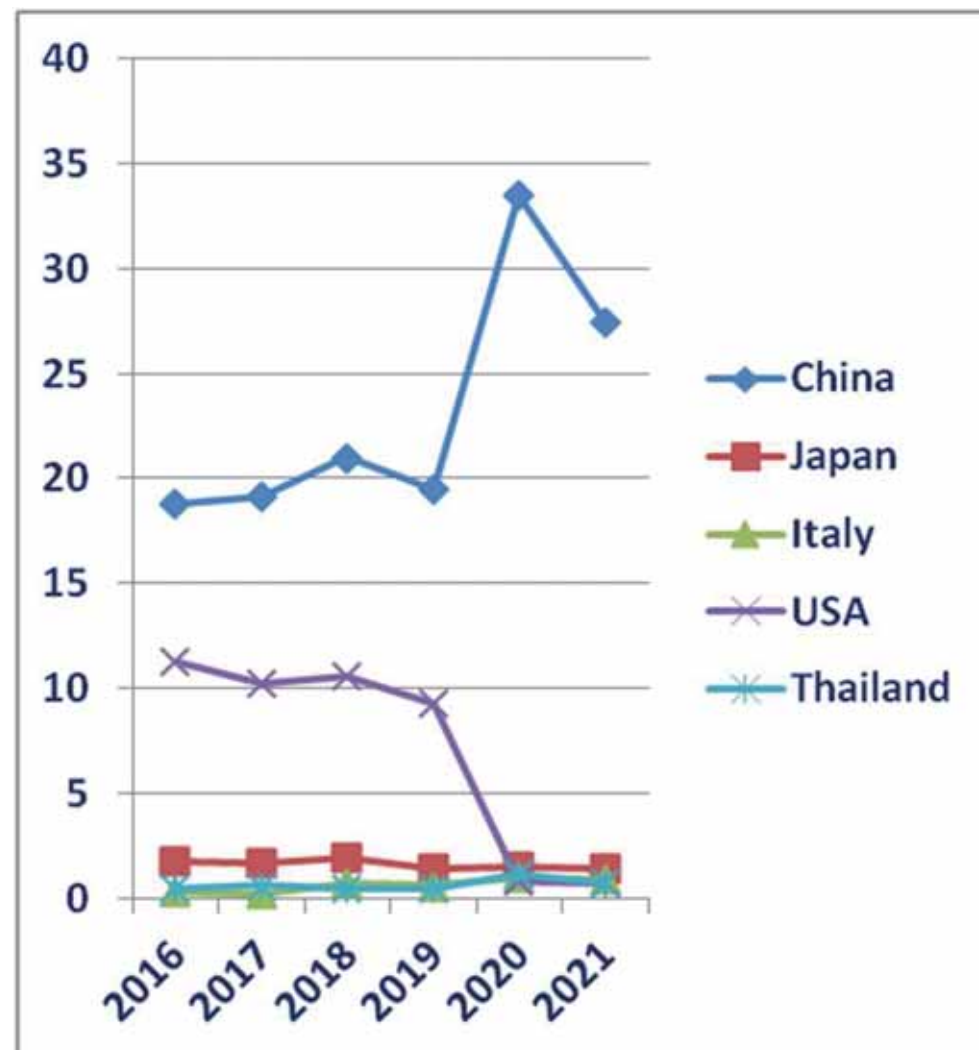
(thousand tonnes)

Source :TNFIA

Export



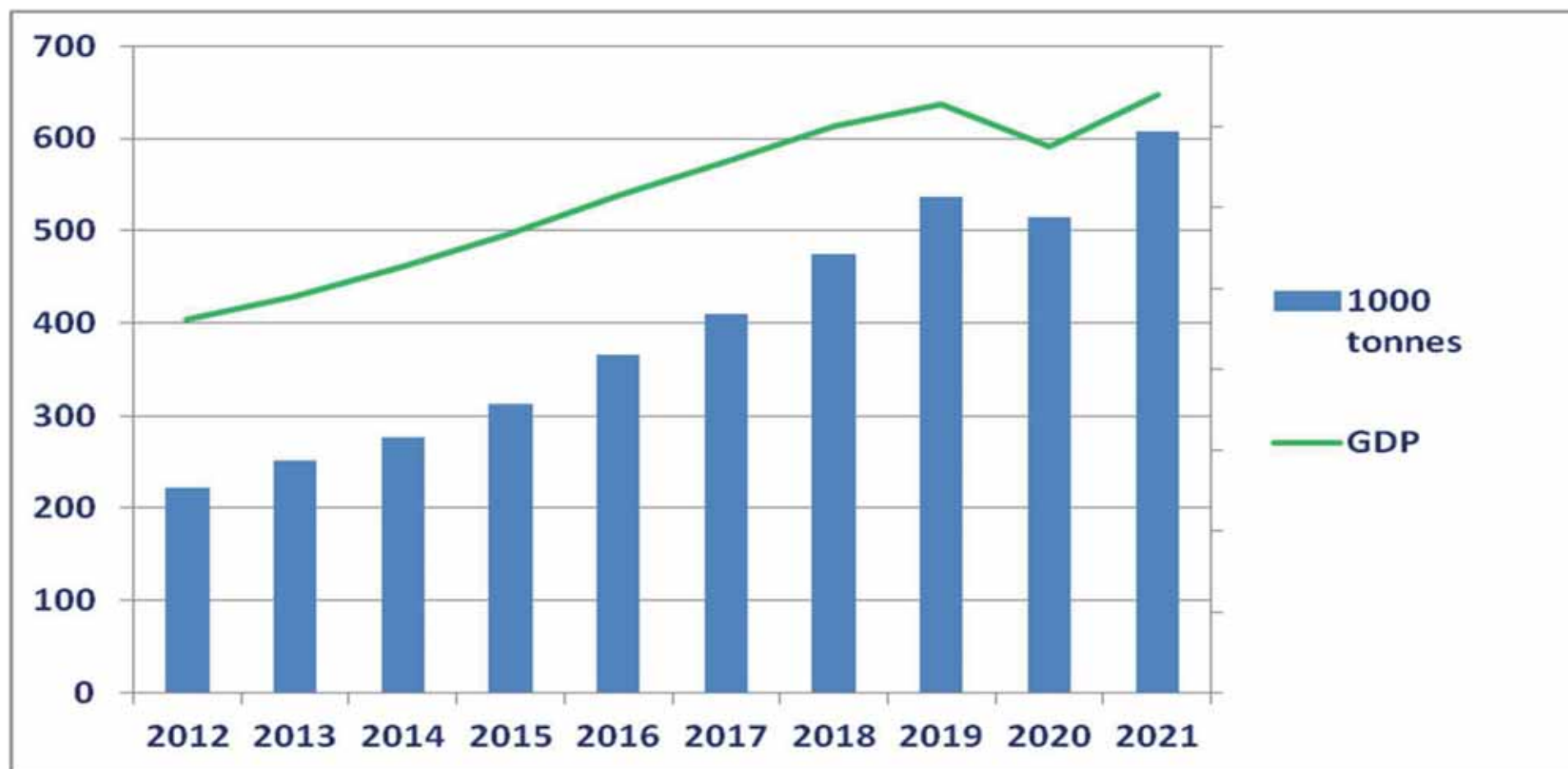
Import



India Nonwovens Production (2012~2021)

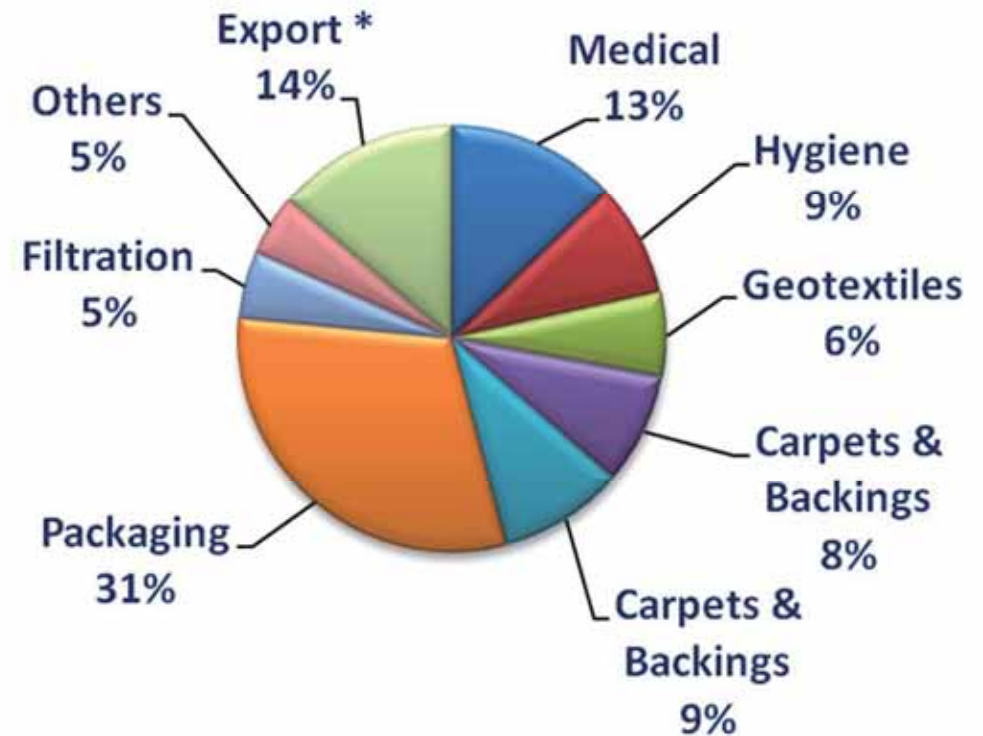
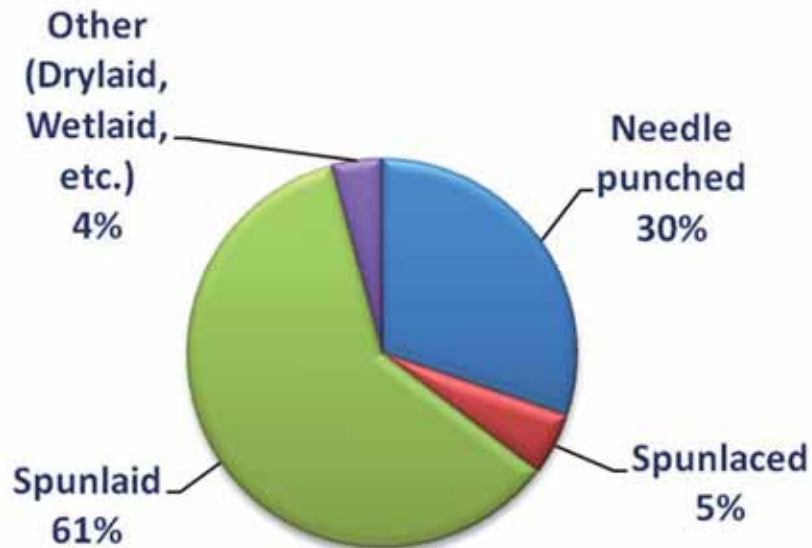
Source : BCH

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
1000 tonnes	222	252	277	312	365	410	475	536	514	608
Annual Growth %		13.5	9.9	12.6	17.0	12.3	15.9	12.8	-4.1	18.3



India Nonwovens Production by Technology and Application (2021) (608 thousand tonnes)

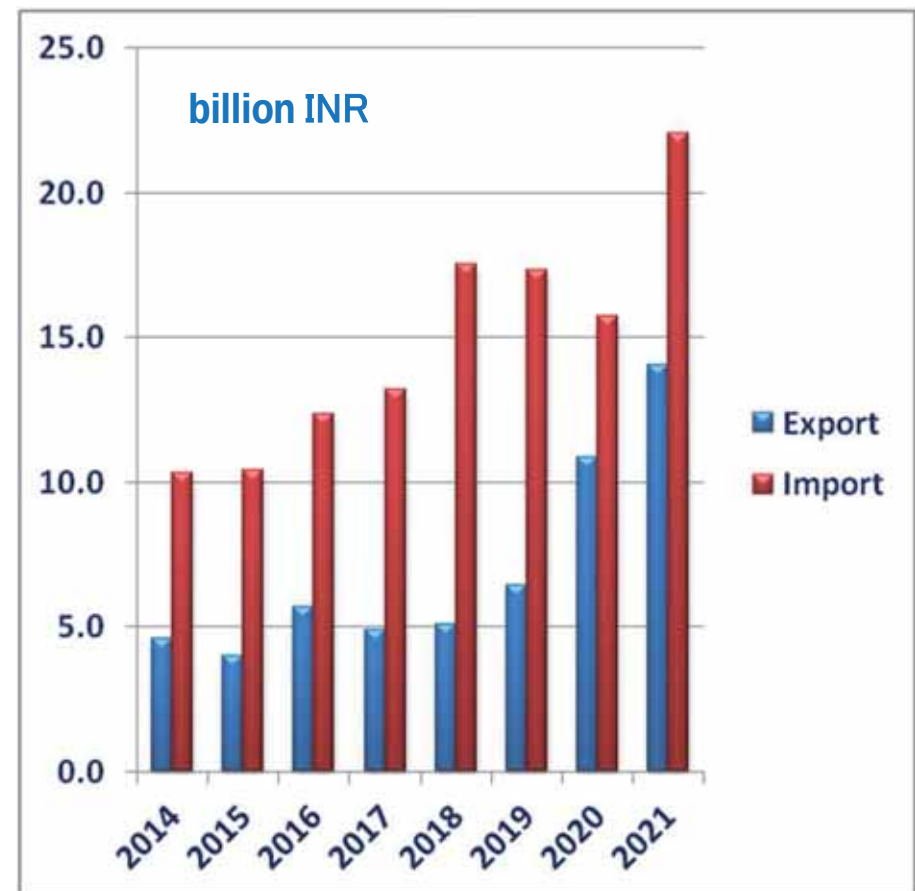
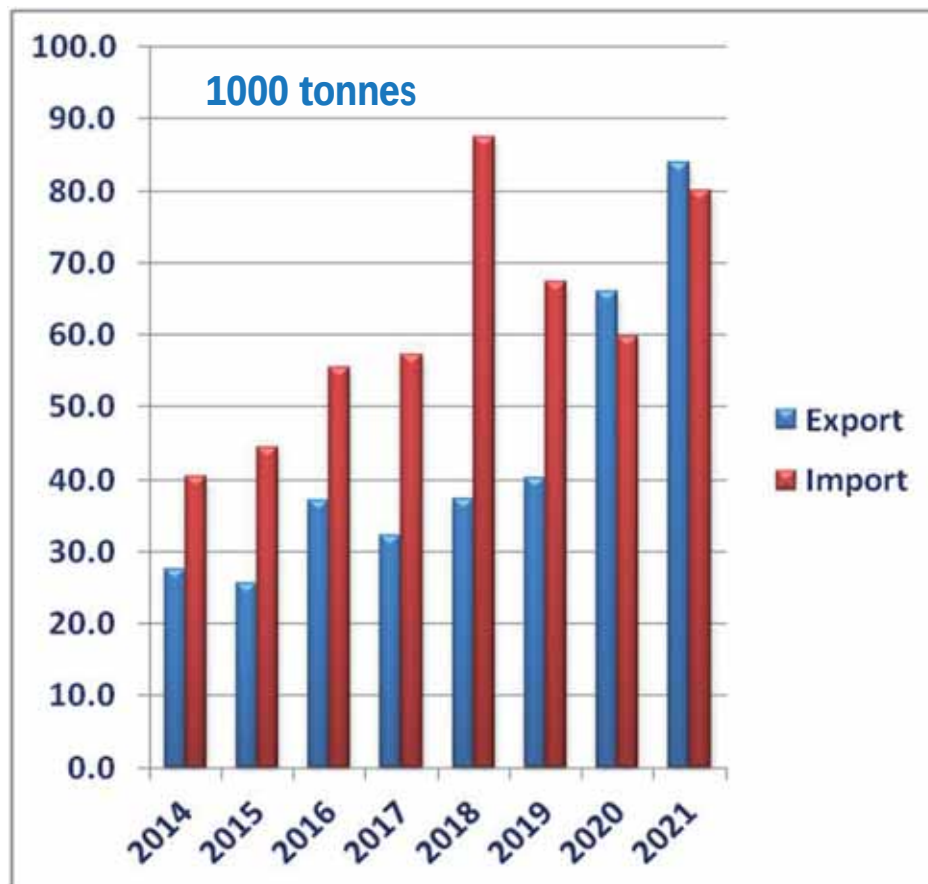
Source : BCH



India Trend in Export & Import (2014-2021)

Source : BCH

		2014	2015	2016	2017	2018	2019	2020	2021
1000 tonnes	Export	27.6	25.7	37.1	32.3	37.3	40.3	66.0	84.0
	Import	40.4	44.3	55.5	57.3	87.4	67.4	59.7	80.0
billion INR	Export	4.6	4.0	5.7	4.9	5.1	6.4	10.8	14.0
	Import	10.3	10.4	12.3	13.2	17.5	17.3	15.7	22.1
INR/kg	Export	167	156	154	152	137	160	164	167
	Import	255	235	222	230	201	257	263	276

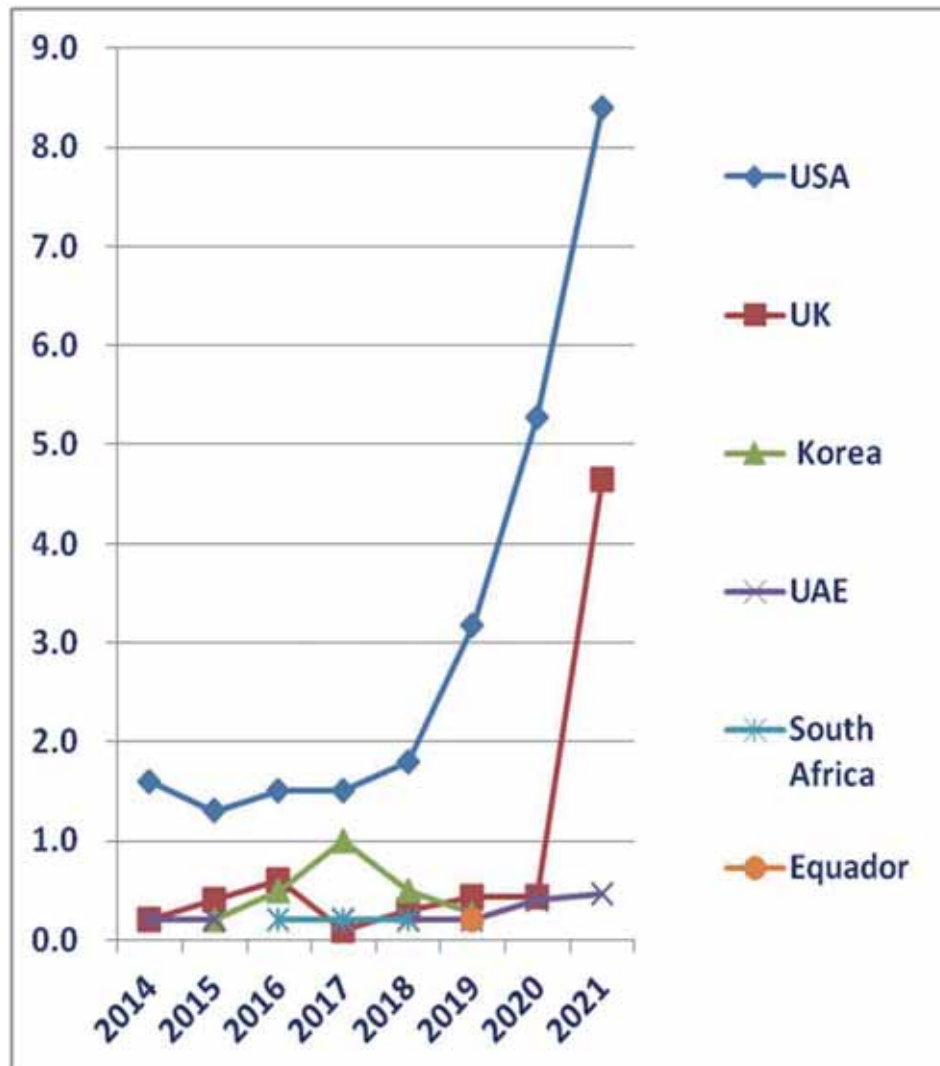


Top 5 Countries in Export & Import of India

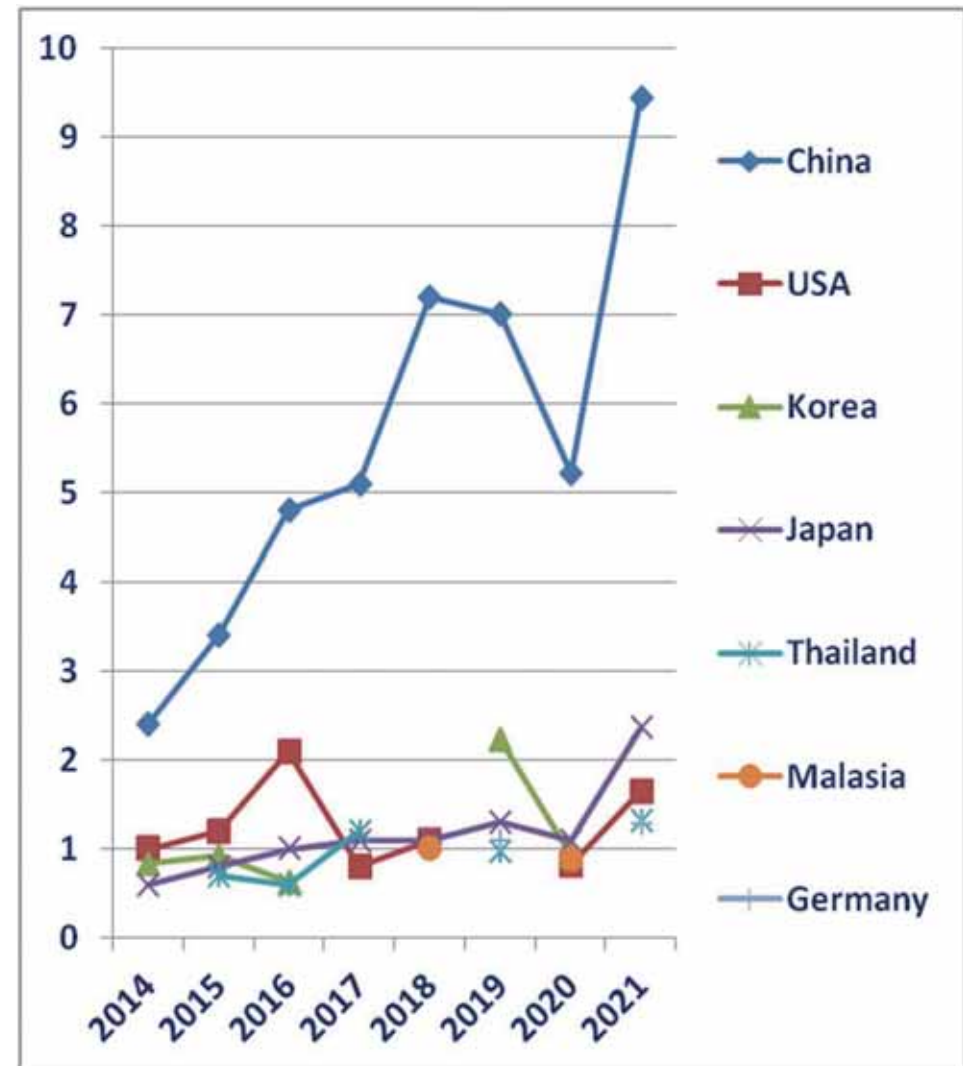
(billion
INR)

Source :BCH

Export



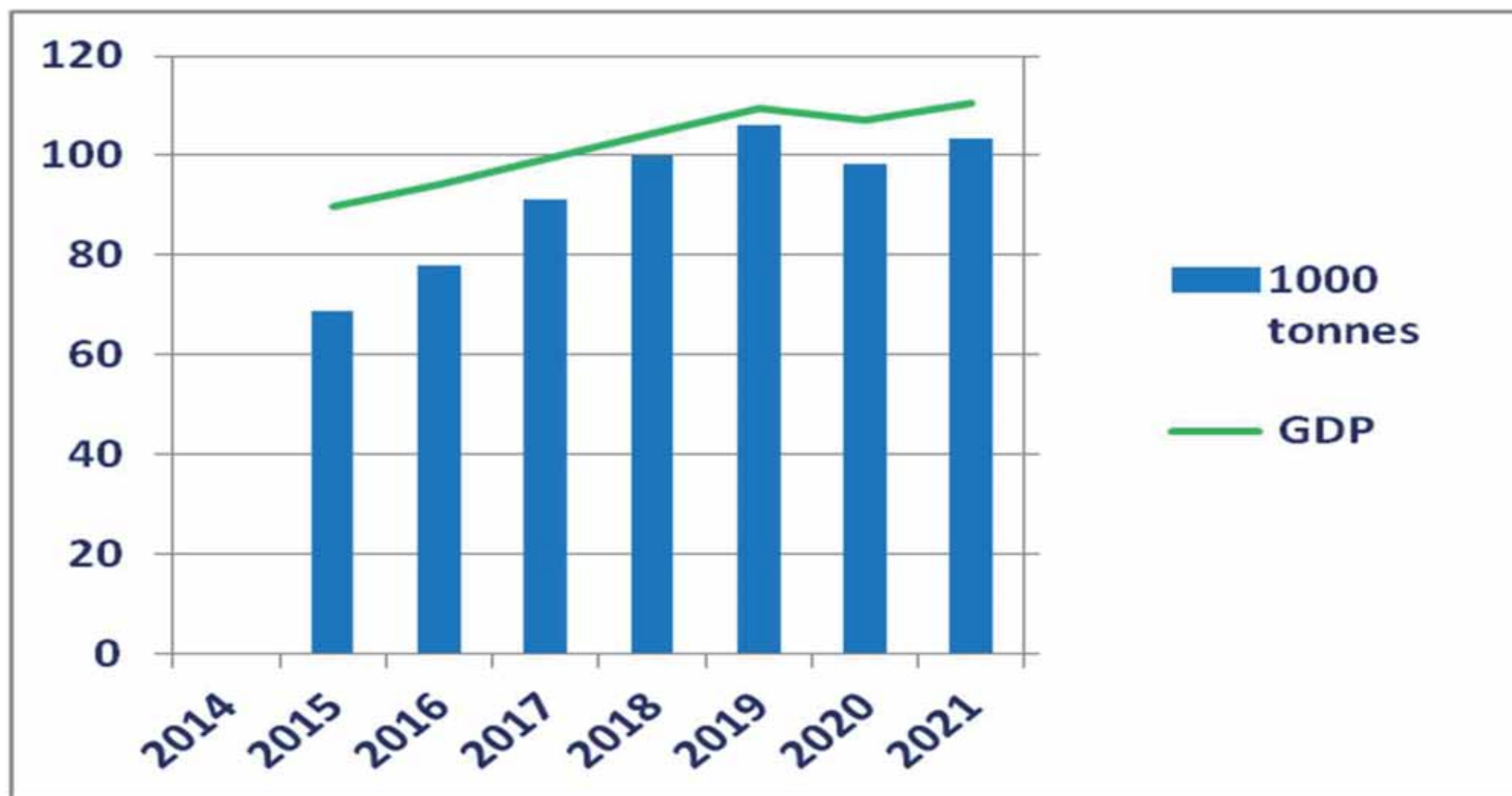
Import



Indonesia Nonwovens Production (2015~2021)

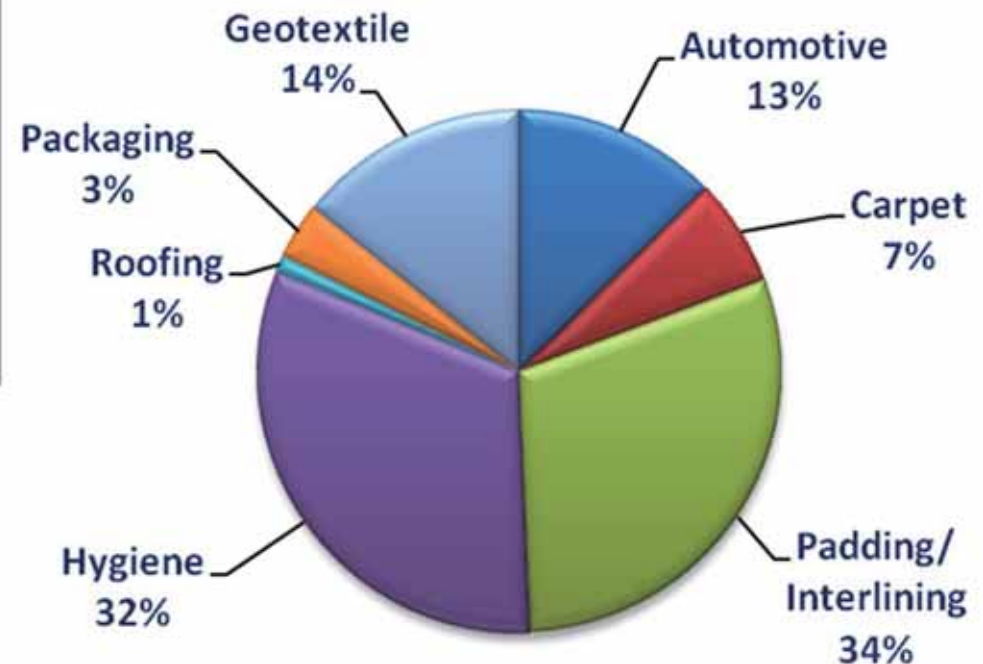
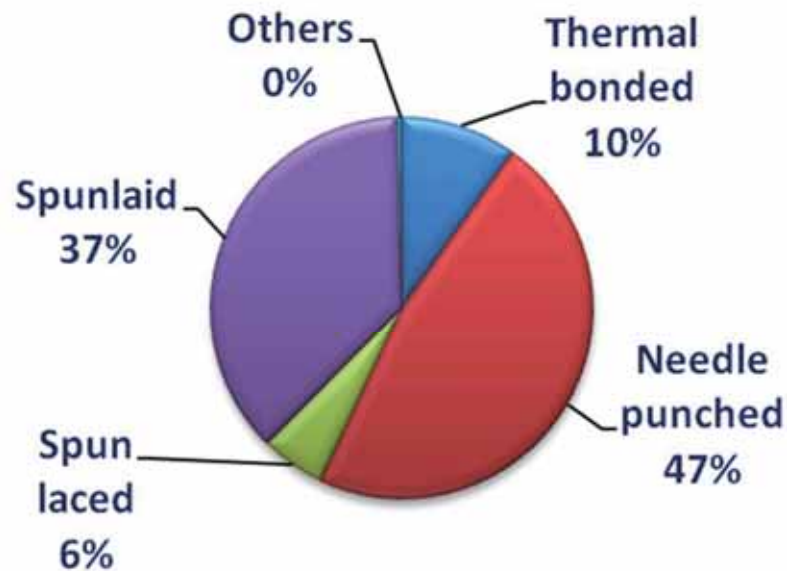
Source : INWA、 2020 data estimated by INWA

	2014	2015	2016	2017	2018	2019	2020	2021
1000 tonnes	-	68.7	77.9	91.1	100.1	106.1	98.2	103.5
Annual growth (%)			13.4	16.9	9.9	6.0	-7.4	5.4



Indonesia Nonwovens Production by Technology & Application (2021)

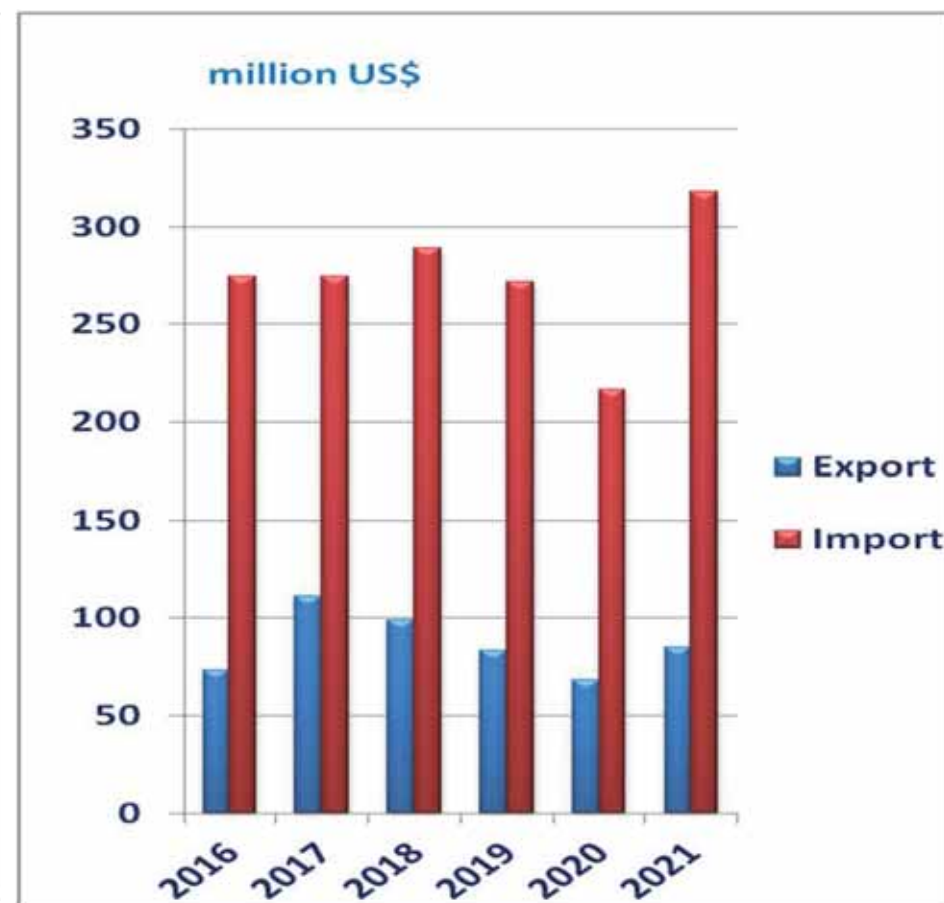
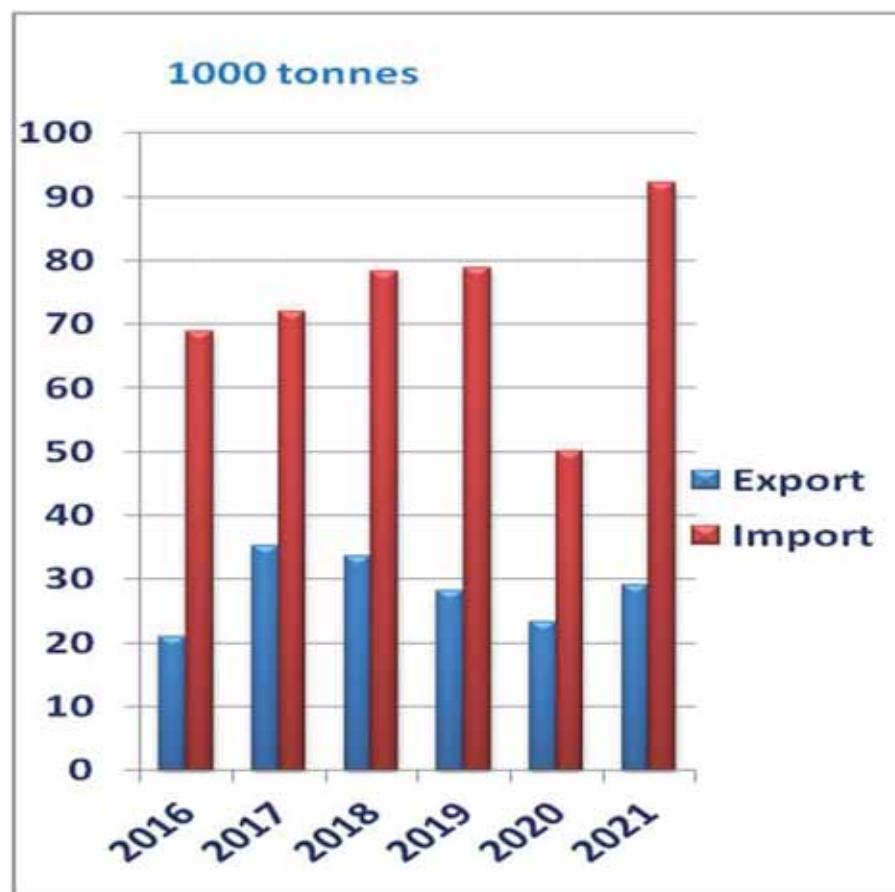
(103.5 thousand tonnes)



Indonesia Trend in Export & Import (2016-2021)

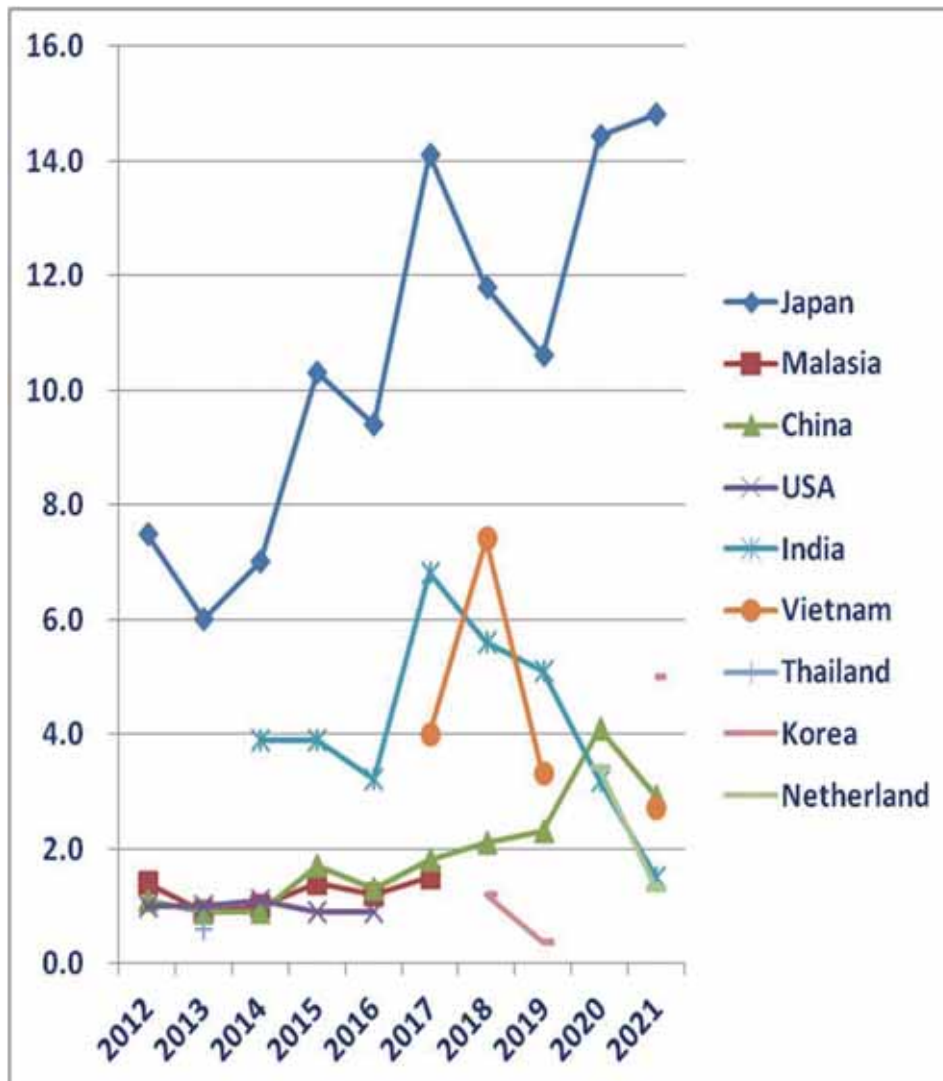
Source : INWA

		2016	2017	2018	2019	2020	2021
1000 tonnes	Export	21	35	34	28	23	29
	Import	69	72	78	79	50	92
million US\$	Export	73	111	99	83	68	85
	Import	274	275	289	272	216	318
US\$/kg	Export	3.47	3.15	2.96	2.96	2.94	2.93
	Import	3.98	3.82	3.70	3.45	4.33	3.45

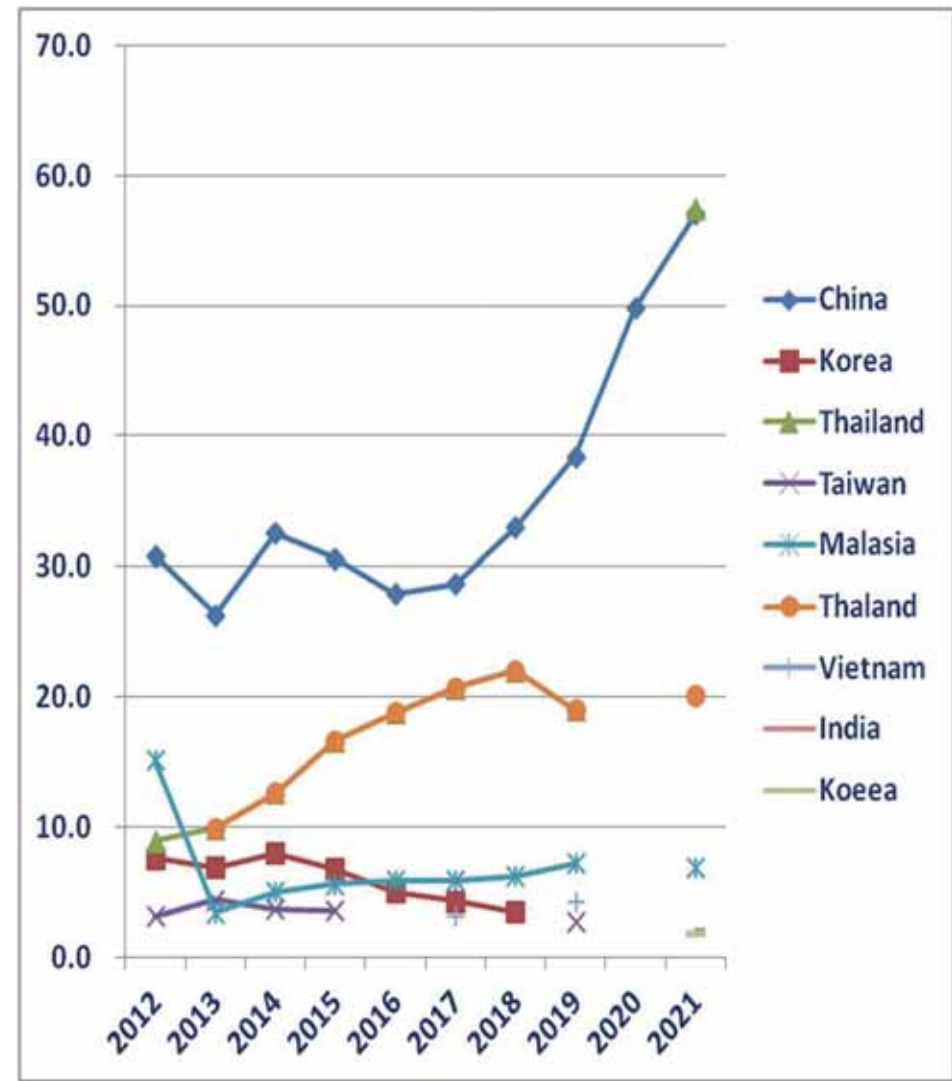


Top 5 Countries in Export & Import of **Indonesia** (1000 tonnes)

Export



Import



ANFA

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