



Animal Products (01 to 05)

Report on WITS Data of Animal Products (01 to 05)

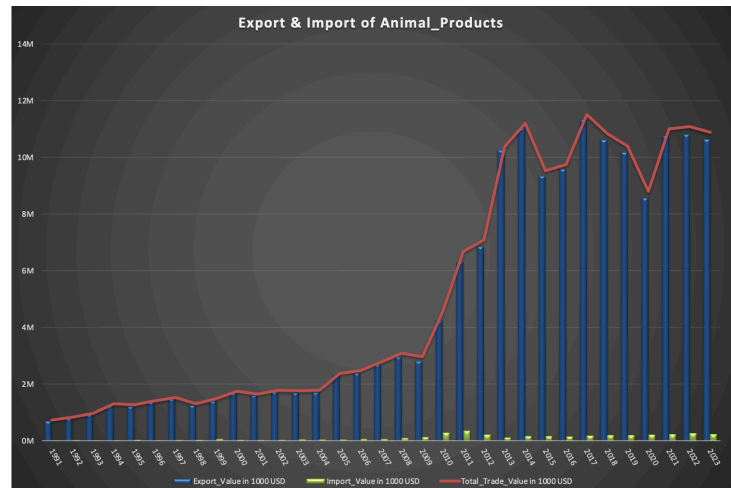
Introduction

The World Integrated Trade Solution (WITS) provides valuable data on global trade flows. This report analyzes animal product data (categories 01 to 05) over a span of years. Categories 01 to 05 include:

1. Live Animals
2. Meat and Edible Meat Offal
3. Fish, Crustaceans, Mollusks, and Other Aquatic Invertebrates
4. Dairy Products, Birds' Eggs, Honey, and Edible Products of Animal Origin
5. Products of Animal Origin, Not Elsewhere Specified (NES)

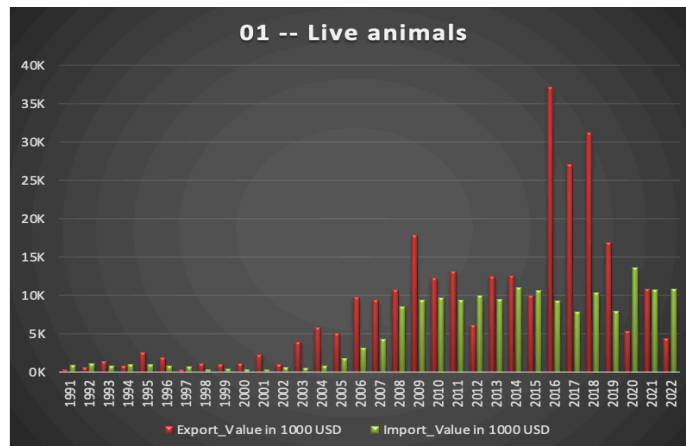
Year	Export_Value in 1000 USD	Import_Value in 1000 USD	Total_Trade_Value in 1000 USD
1991	718197	14595	732792
1992	815836	22706	838542
1993	961307	11301	972608
1994	1295280	18163	1313444
1995	1241340	34912	1276252
1996	1398079	13031	1411110
1997	1494345	27240	1521585
1998	1273943	35188	1309132
1999	1424225	63209	1487434
2000	1718899	33390	1752288
2001	1625424	28828	1654252
2002	1750288	36729	1787017
2003	1709756	52951	1762707
2004	1737652	42095	1779748
2005	2332580	43054	2375634
2006	2414022	69109	2483131
2007	2723979	63803	2787782
2008	2987400	98724	3086124
2009	2839939	135768	2975707
2010	4262279	285939	4548217
2011	6327642	351322	6678964
2012	6869452	224319	7093771
2013	10264957	113670	10378627
2014	11045724	162091	11207815
2015	9358368	162913	9521281
2016	9589894	156982	9746877
2017	11341400	176273	11517673
2018	10636630	196584	10833214
2019	10194446	194302	10388748
2020	8584399	215018	8799417
2021	10772984	229158	11002142
2022	10808522	269695	11078217
2023	10653497	237167	10890664

Export Diff.	9935300
Import Diff.	222572
Trade Diff.	10157872



• From this graph we can believe that Exports are dominating the Animal products category.

01 -- Live animals		
Year	Export_Value in 1000 USD	Import_Value in 1000 USD
1991	346	945
1992	689	1182
1993	1462	838
1994	845	1002
1995	2591	1041
1996	1950	825
1997	357	751
1998	1126	351
1999	1025	435
2000	1130	419
2001	2277	324
2002	1078	686
2003	3949	605
2004	5828	847
2005	5081	1834
2006	9798	3191
2007	9431	4305
2008	10760	8507
2009	17902	9370
2010	12256	9708
2011	13153	9419
2012	6179	9939
2013	12497	9462
2014	12533	11000
2015	9970	10658
2016	37142	9285
2017	27106	7901
2018	31249	10382
2019	16861	7918
2020	5350	13591
2021	10804	10765
2022	4405	10848

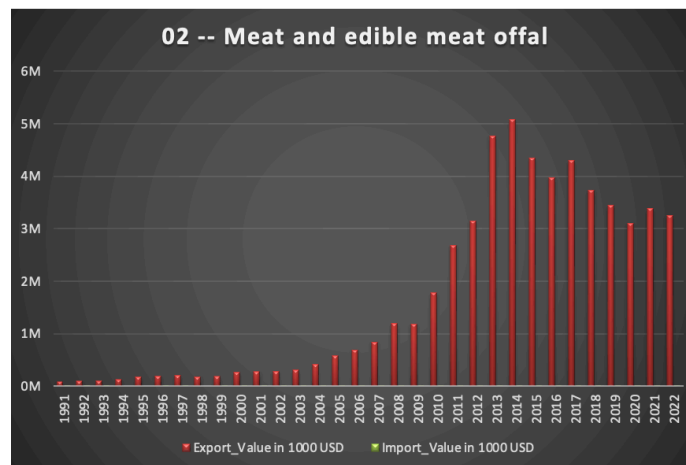


From this Bar graph we can see that the export of live animals taking its speed after 2002 and also in import. After 2015 we can easily see that the exports of live animals spikes up.

This trend is likely influenced by factors such as economic growth, globalization, and changes in consumer preferences.

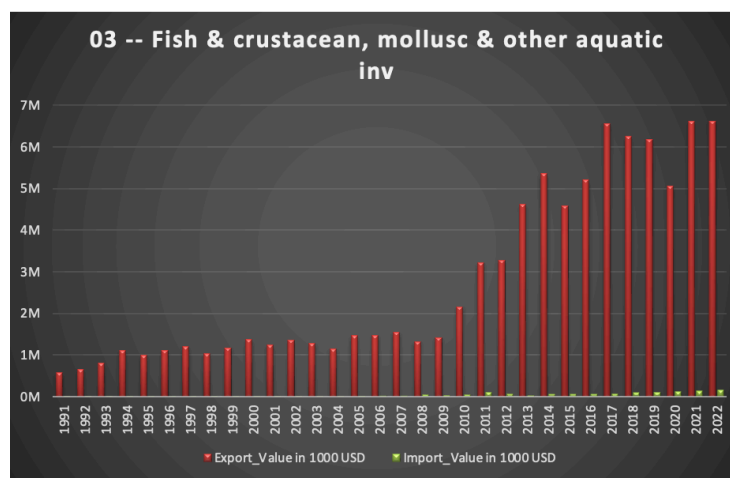
2019 - Corona Hits

02 -- Meat and edible meat offal		
Year	Export_Value in 1000 USD	Import_Value in 1000 USD
1991	93628	7
1992	98983	425
1993	109648	23
1994	125674	
1995	183613	
1996	195130	61
1997	213813	10
1998	183471	
1999	185071	60
2000	269108	67
2001	275002	164
2002	287732	70
2003	307914	45
2004	321483	91
2005	581115	515
2006	693467	424
2007	843535	601
2008	1189670	742
2009	1178713	1064
2010	1775123	1136
2011	2686670	1433
2012	3147475	1888
2013	4770381	2071
2014	5075625	2957
2015	4342028	2293
2016	3972055	2495
2017	4380817	4555
2018	3736850	4407
2019	3450632	5655
2020	3106056	2100
2021	3384031	3562
2022	3251885	5339



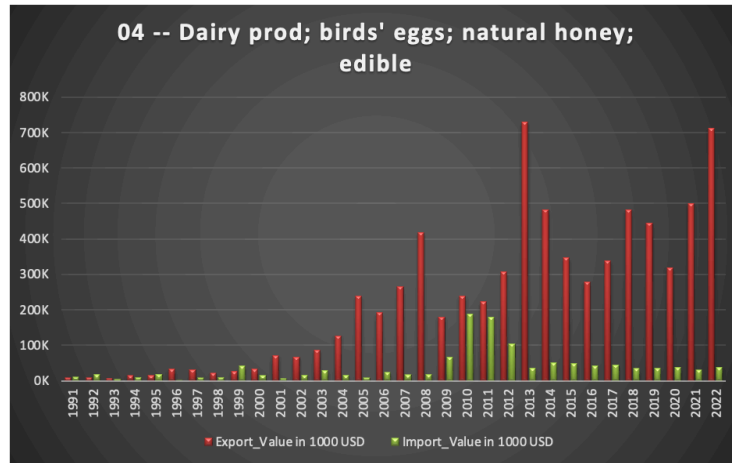
- The dominance of Export over import in this category.

03 -- Fish & crustacean, mollusc & other aquatic inv		
Year	Export_Value in 1000 USD	Import_Value in 1000 USD
1991	579326	14
1992	665146	109
1993	804723	1336
1994	1115382	983
1995	998144	8148
1996	1115816	4756
1997	1198461	11464
1998	1028802	14801
1999	1171003	7884
2000	1372138	4591
2001	1235527	8769
2002	1350221	8103
2003	1275934	9869
2004	1144271	15210
2005	1466662	19960
2006	1478405	24492
2007	1555336	24529
2008	1327321	57095
2009	1412386	38625
2010	2163676	56800
2011	3211758	112436
2012	3282148	68390
2013	4615567	33869
2014	5358639	58306
2015	4579965	64197
2016	5209148	63397
2017	6560114	76082
2018	6253140	98163
2019	6179898	111301
2020	5056523	130878
2021	6618029	142723
2022	6621782	168427

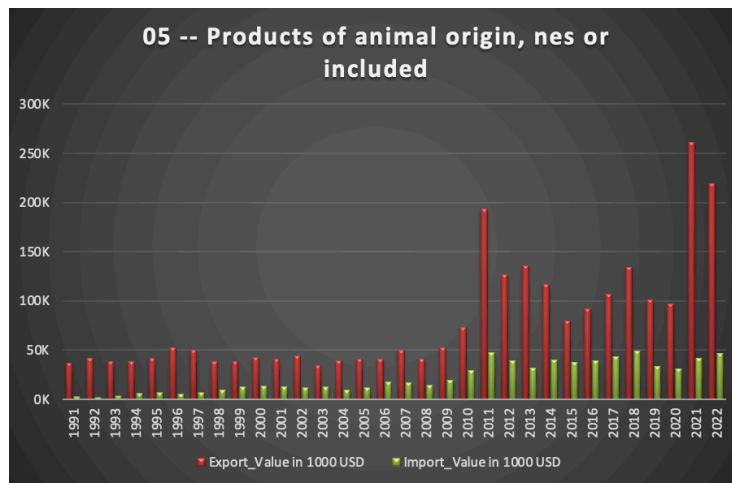


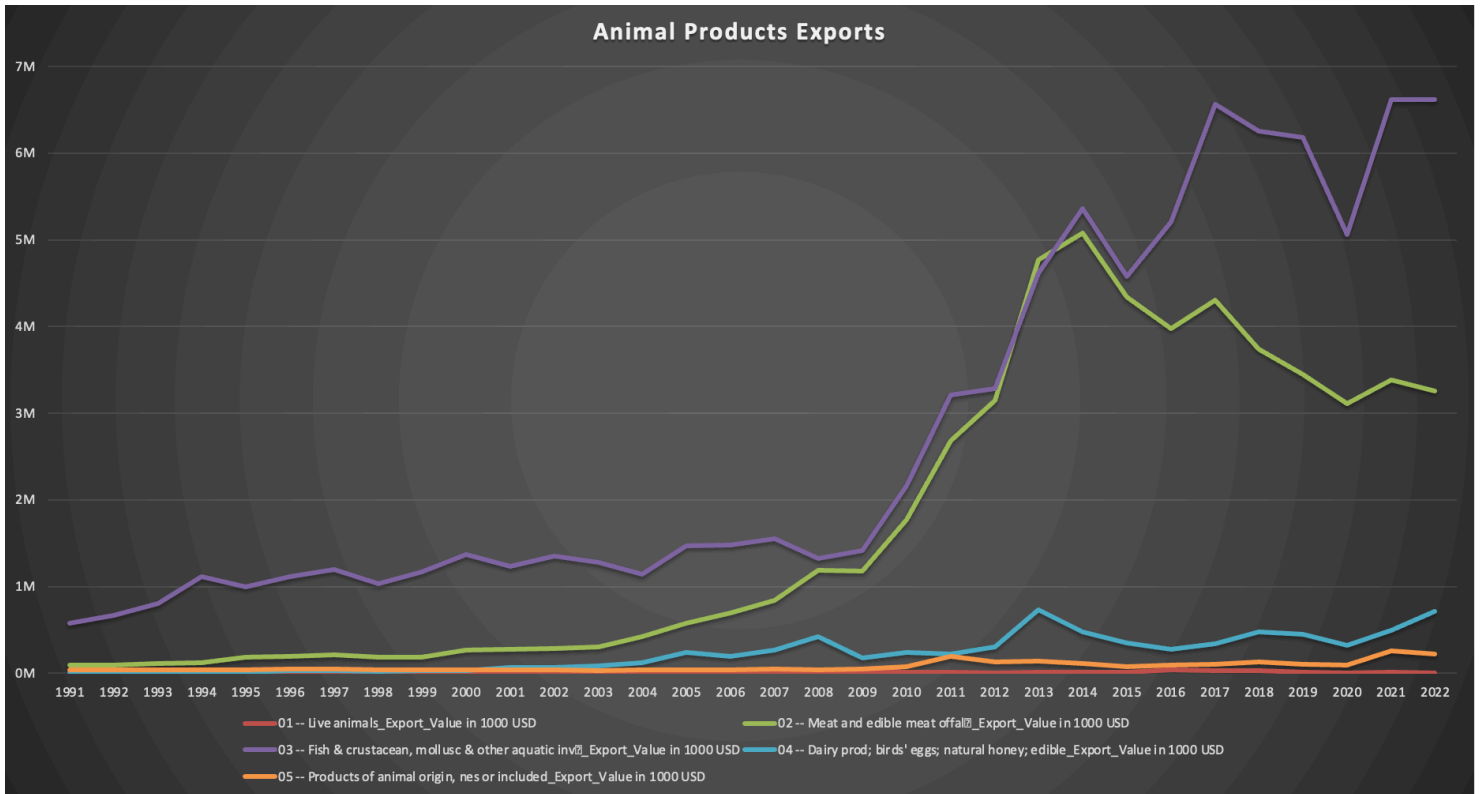
- The dominance of Export over import in this category.

04 -- Dairy prod; birds' eggs; natural honey; edible		
Year	Export_Value in 1000 USD	Import_Value in 1000 USD
1991	8473	10624
1992	9376	16147
1993	6870	5646
1994	14849	10018
1995	15086	18946
1996	33126	1581
1997	31427	8070
1998	22146	10105
1999	27307	42031
2000	34159	15037
2001	71824	6512
2002	66800	16207
2003	87445	29681
2004	126419	16107
2005	239125	9140
2006	191469	23432
2007	265515	17021
2008	418537	18189
2009	178772	67046
2010	238215	188657
2011	222502	180257
2012	306691	104586
2013	730397	36692
2014	481893	50104
2015	346379	47829
2016	279666	42591
2017	339073	44385
2018	481327	34611
2019	445613	35602
2020	319102	27302
2021	498857	30484
2022	711362	38095



05 -- Products of animal origin, nes or included		
Year	Export_Value in 1000 USD	Import_Value in 1000 USD
1991	36426	3005
1992	41441	2242
1993	38604	3466
1994	38531	6160
1995	41907	6776
1996	52057	5808
1997	50286	6956
1998	38398	9922
1999	38819	12798
2000	42164	13276
2001	40794	13060
2002	44457	11663
2003	34514	12752
2004	39650	9841
2005	40598	11604
2006	40883	17571
2007	50161	17347
2008	41112	14190
2009	52166	19664
2010	73008	29638
2011	193559	47778
2012	126960	39515
2013	136116	32176
2014	117035	39724
2015	80026	37935
2016	91884	39214
2017	106790	43351
2018	134063	49021
2019	101441	33826
2020	97367	31147
2021	261264	41625
2022	219088	46987

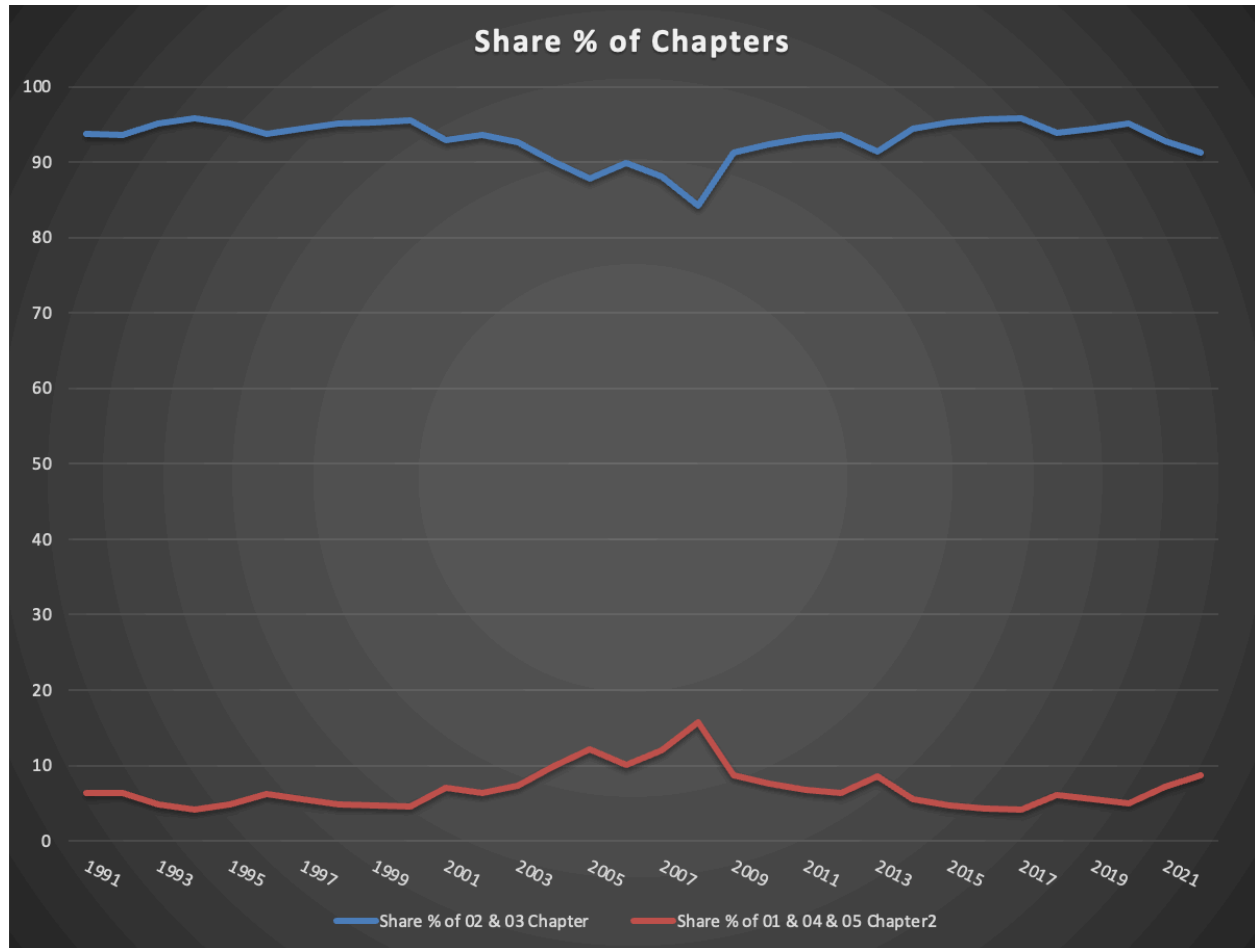




If we combine all the exports of Animal products then we can see this.
A very high dominance of two Chapters.

- 02 Export of Meat and edible offal
- 03 Export of Fish & crustacean & aquatic

These two chapters are exporting far more than other chapters



This graph shows the share% of the two dominant chapters and the other chapters.

We can clearly see that these two chapters cover more than 90% of the exports in the Animal Products cluster.

Now we are going to dive more deeper in these two categories.

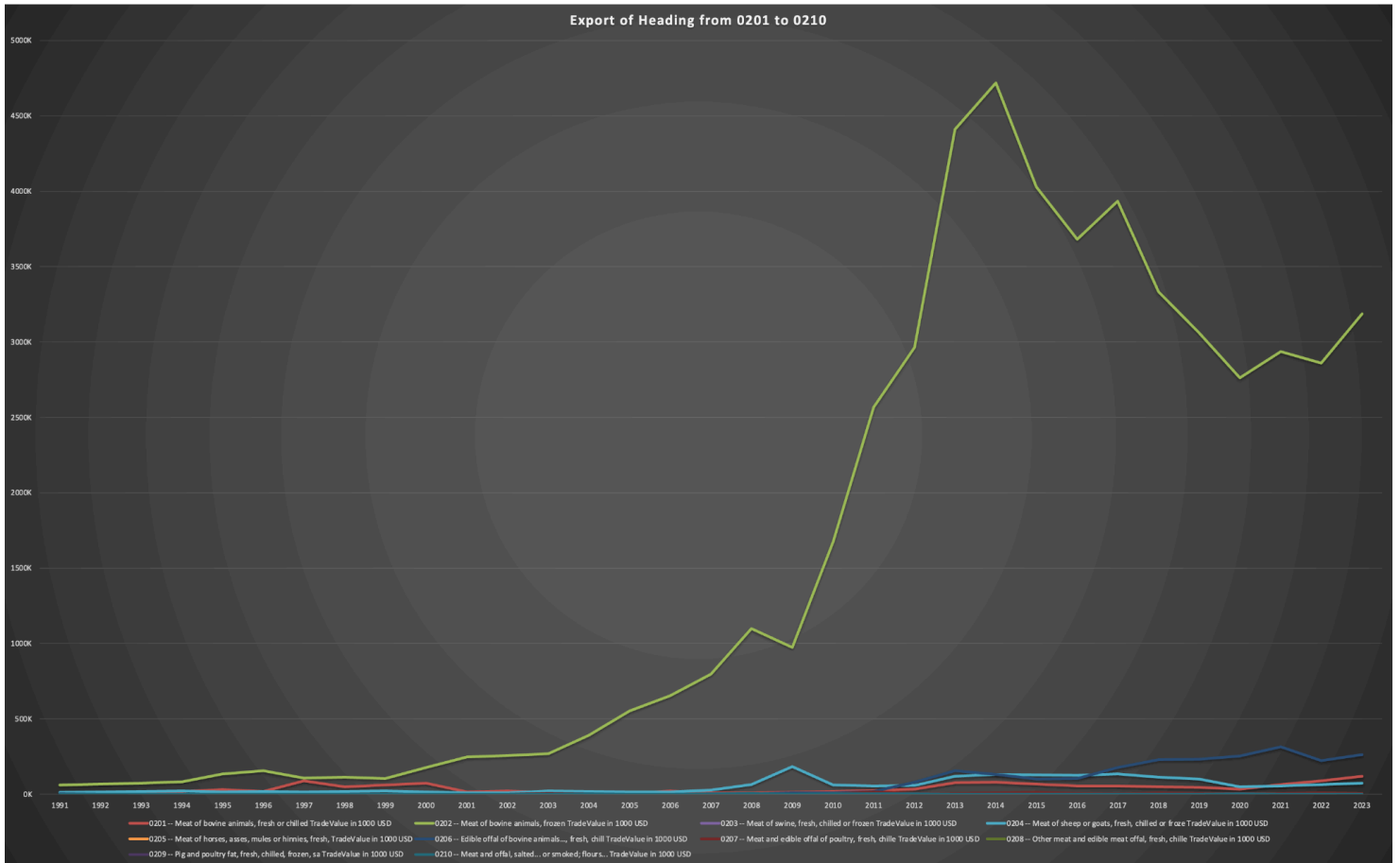
From now on, we are just going to focus on exports.

Year	0201 – Meat of bovine animals, fresh or chilled	Ti 0202 – Meat of bovine animals, frozen	T 0203 – Meat of swine, fresh, chilled or frozen	T 0204 – Meat of sheep or goats, fresh, chilled or frozen	T 0205 – Meat of horses, asses, mules or hinnies, fresh, Ti
1991	14048	62853	0	13935	0
1992	14275	68443	4	15511	15
1993	16032	73473	40	19818	0
1994	19468	83837	803	21030	0
1995	30802	134616	782	16818	0
1996	18721	155649	385	20009	0
1997	87654	108630	235	16863	0
1998	50518	113743	120	18648	0
1999	61290	102729	296	21105	0
2000	74454	177314	283	16320	0
2001	16334	248663	157	8934	0
2002	20910	256159	154	8746	1
2003	11372	267760	13	20562	0
2004	3725	391666	249	18844	0
2005	5838	553163	311	17203	0
2006	21340	653068	587	15383	0
2007	9797	796874	607	27486	23
2008	9267	1097875	2886	65473	0
2009	11425	972647	167	182508	0
2010	20023	1676479	698	60348	0
2011	26211	2566806	267	53912	0
2012	33297	2962563	269	59476	0
2013	75598	4410954	87	120995	0
2014	81092	4719091	158	131643	0
2015	68964	4030559	3	128285	0
2016	55133	3680676	31	125345	23
2017	55438	3935837	1285	134927	0
2018	50270	3332456	1762	113889	0
2019	46680	3062595	1713	100863	0
2020	32908	2762444	1342	48391	0
2021	64960	2936537	5917	56552	0
2022	89855	2859712	3748	65022	0
2023	118624	3188064	0	72722	0

0206 – Edible offal of bovine animals...	fr 0207 – Meat and edible offal of poultry, fresh, chilled	T 0208 – Other meat and edible meat offal, fresh, chilled	0209 – Pig and poultry fat, fresh, chilled, frozen, sa	T 0210 – Meat and offal, salted... or smoked; flours...	T
2313	186	0	0	293	
516	30	0	0	190	
15	104	0	0	167	
160	53	0	2	321	
94	16	0	2	483	
183	3	0	0	180	
253	14	0	19	144	
198	11	0	88	145	
210	25	0	0	416	
241	67	0	0	429	
334	54	0	0	525	
462	93	134	0	1074	
1119	5420	477	0	1191	
1027	2602	950	0	2420	
1153	810	1095	1	1541	
1102	777	486	0	724	
3057	2056	983	22	2631	
4160	3013	145	989	5864	
9573	917	23	17	1437	
10863	4153	54	112	2394	
20089	15528	20	7	3829	
80922	6698	22	0	4228	
154952	7646	16	30	132	
132567	11056	0	0	17	
100810	12747	0	0	630	
104479	6305	0	0	63	
176652	4124	0	0	55	
229660	8296	1	0	516	
231737	6681	33	0	331	
253592	5294	3	0	2082	
314102	5849	0	0	113	
223883	9538	0	0	127	
262397	7912	0	0	308	

These are the Exports data of sub category of 02 chapter (Meat and edible meat offal)

And if we make a line chart to see in between them which heading is exporting more or which is dominating here.

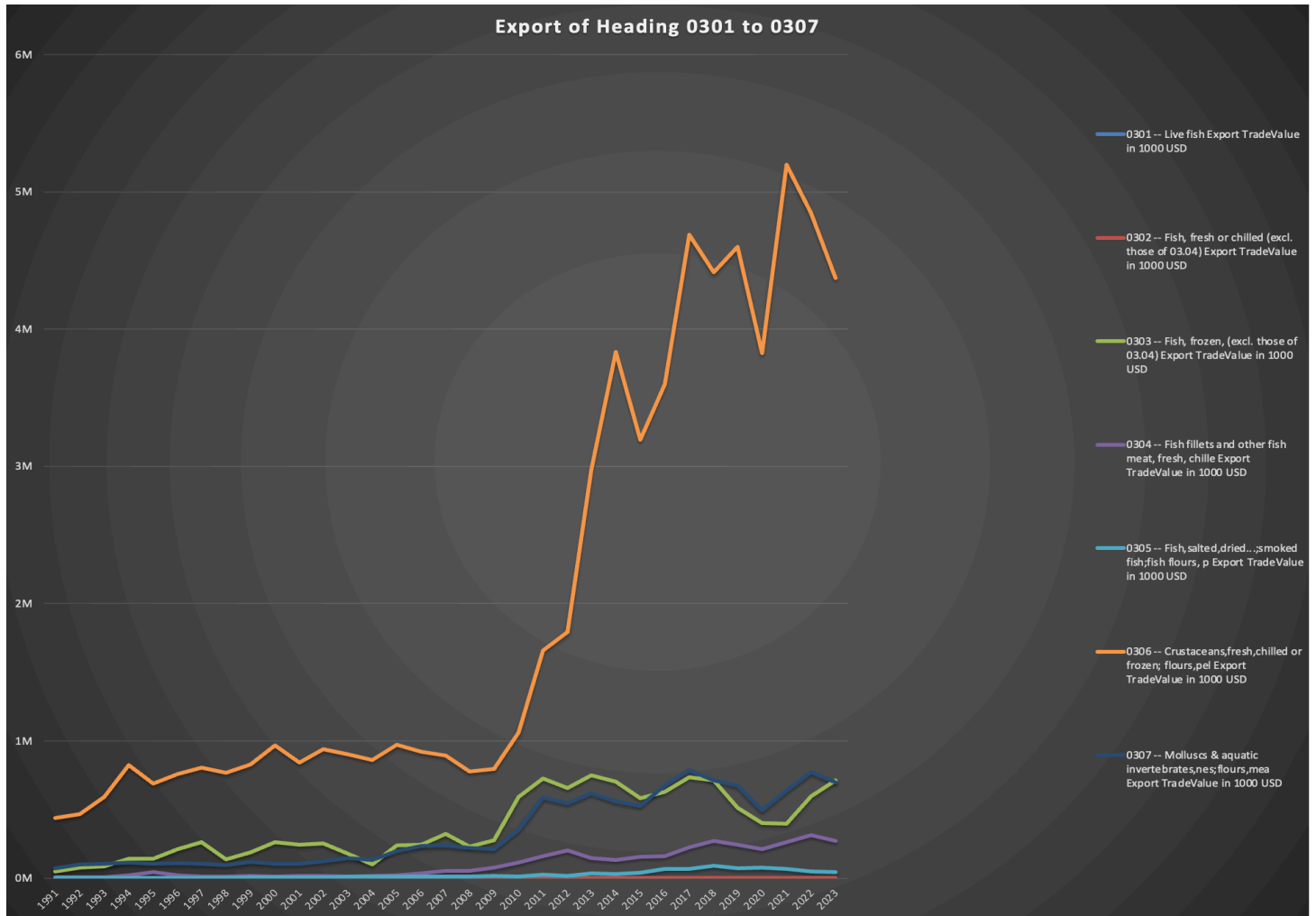


From this graph we can easily see the dominance of 0202 - Meat of bovine animals. This started to take growth in the year 2000, This Heading spikes up from the year 2009 to till the year 2014. Recently it's been growing.

Year	0301 – Live fish Export	0302 – Fish, fresh or chilled	0303 – Fish, frozen	0304 – Fish fillets and other fish meat, fresh	0305 – Fish, salted, dried or smoked	0306 – Crustaceans, fresh, chilled	0307 – Molluscs & aquatic invertebrates, fresh
1991	257	257	51858	7457	2455	440681	72683
1992	181	181	79312	6521	1896	468995	101716
1993	893	893	85892	9344	1909	593748	106523
1994	329	329	144028	19807	3949	826411	112336
1995	392	392	142312	43085	4456	690040	107629
1996	265	265	212283	20277	4623	756991	110092
1997	515	515	260880	13900	4408	806740	103799
1998	638	638	137738	11844	5049	769775	95690
1999	535	535	187809	15755	6515	827070	120047
2000	669	669	264760	14700	7395	968598	103898
2001	1293	1293	244813	19034	7545	844000	105558
2002	1557	1557	255467	15879	6917	937876	122222
2003	2327	2327	180919	14107	11666	903004	146645
2004	1782	1782	100465	17033	10427	860494	134439
2005	1217	1217	239963	24156	10757	970330	197695
2006	1389	1389	244595	37393	10267	922800	236113
2007	3966	3966	322646	54501	10884	894319	241084
2008	2168	2168	231009	54624	11243	775989	222805
2009	1166	1166	277166	76580	16355	795809	212141
2010	1098	1098	590465	116726	14751	1058559	352297
2011	1350	1350	728354	161330	26176	1658664	589923
2012	1121	1121	657472	201425	15724	1791279	543898
2013	1987	1987	749244	145894	36933	2976797	618718
2014	2627	2627	704323	133815	29289	3834859	557628
2015	1165	1165	582264	155848	40171	3195660	529054
2016	1264	1264	629498	159262	70518	3595371	674992
2017	2000	2000	734955	225636	69816	4689568	786210
2018	1622	1622	714696	270012	92667	4413418	713377
2019	1795	1795	515301	245143	74104	4598657	676907
2020	1764	1764	404204	210130	75560	3826993	494553
2021	4842	4842	398857	264156	68517	5196967	636596
2022	4907	4907	595794	312256	48481	4843678	774227
2023	4998	4998	712135	270934	42779	4371883	697707

These are the Exports data of sub category of 03 chapter (Fish & Crustaceans)

And if we make a line chart to see in between them which heading is exporting more or which is dominating here.



Here, Heading 0306 - Crustaceans, fresh, chilled or frozen; flours, pel) is dominating the exports.

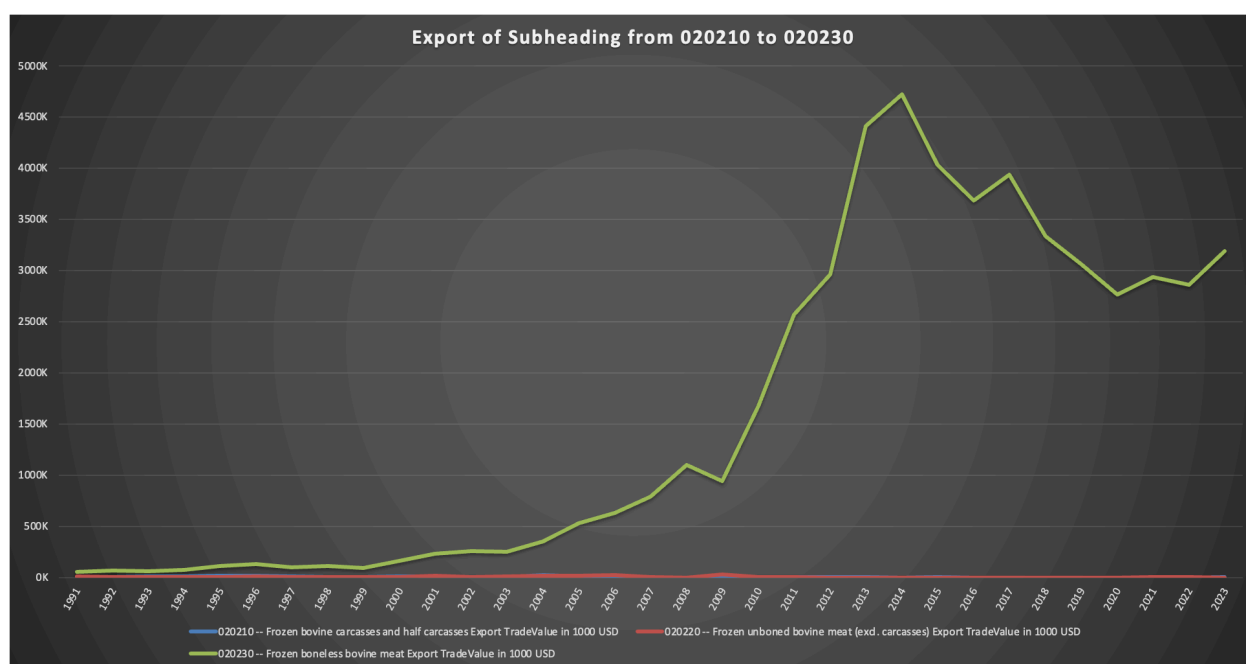
From 2009 growth spikes up.

Recent years it is a declining category.

If we dive more deeper in these two Heading categories to Subheading to know the exact product.

We will find that heading 02 has just 3 more subheadings.

Year	020210 – Frozen bovine	020220 – Frozen unboned	020230 – Frozen boneless
1991	1076	8927	52850
1992	861	3947	63635
1993	10250	4243	58981
1994	10434	2680	70723
1995	17262	5325	112030
1996	17119	10243	128286
1997	8208	1845	98578
1998	874	1083	111786
1999	5748	3192	93789
2000	9896	4390	163028
2001	6997	13223	228443
2002	941	1776	253442
2003	2494	11869	253397
2004	24005	15549	352112
2005	8657	14943	529563
2006	3819	19975	629274
2007	652	5030	791192
2008	47	4	1097824
2009	0	29993	942654
2010	97	798	1675583
2011	1047	137	2565621
2012	1428	1	2961134
2013	188	67	4410700
2014	0	49	4719043
2015	198	80	4030281
2016	58	0	3680618
2017	25	1	3935811
2018	22	0	3332434
2019	0	16	3062579
2020	0	0	2762444
2021	0	139	2936398
2022	0	198	2859514
2023	339	89	3187637

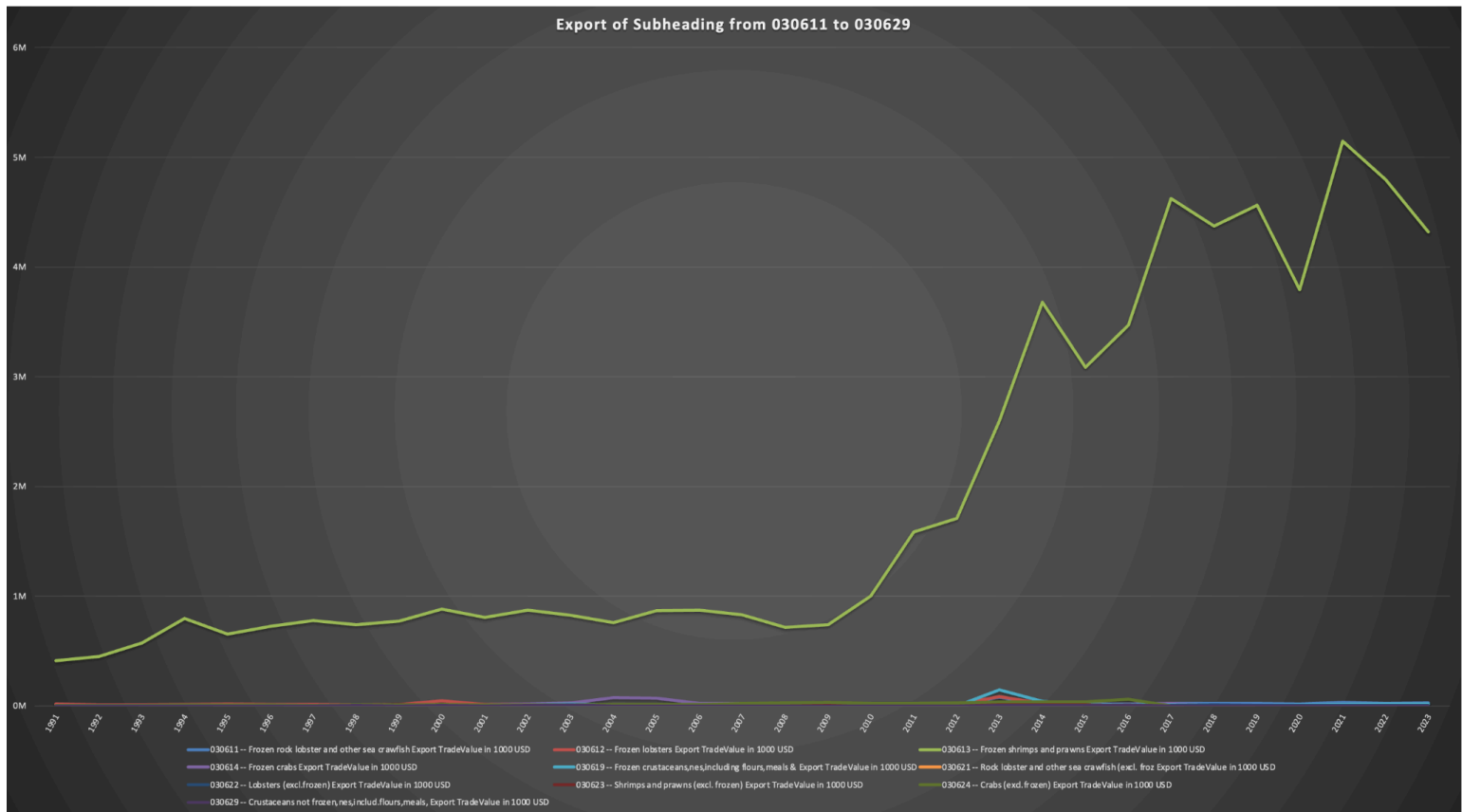


From this line graph we can understand that Subheading 020230 is dominating the exports of Chapter 02 (Meat and edible meat offal).

Year	030611 – Frozen rock lobster and other	030612 – Frozen lobsters	030613 – Frozen shrimps and prawn	030614 – Frozen crabs	030619 – Frozen crustaceans, nes
1991	3806	16085	413748	1006	1464
1992	2408	10450	449201	1280	544
1993	1878	6762	574674	2602	491
1994	2019	12028	798083	1785	1194
1995	1295	15801	655753	1973	1385
1996	1653	12290	725340	722	2461
1997	2482	11543	779436	1001	656
1998	2854	9186	737945	4660	136
1999	2543	15230	771219	9620	4185
2000	4822	43782	882740	7129	4175
2001	2682	12078	805287	6199	4586
2002	6409	17753	871669	19821	7795
2003	2817	8408	823691	29018	18405
2004	2549	5668	756645	75115	6178
2005	3344	10058	869141	70155	1112
2006	1962	5750	871659	20572	3551
2007	5707	6153	831709	22340	1436
2008	1539	2140	715458	20187	1651
2009	1159	3038	740082	11364	1265
2010	5879	8984	1000569	8407	3129
2011	7904	10036	1586062	15044	3730
2012	6526	12135	1707709	17226	139
2013	79493	85220	2594929	18327	143781
2014	10229	20838	3678627	23447	42383
2015	6862	12978	3086572	19542	14065
2016	12160	8548	3469379	15310	11947
2017	22279	5003	4625107	23377	9475
2018	24343	2143	4370892	3351	5908
2019	23130	1747	4562737	3401	2139
2020	18536	1031	3793568	4147	6679
2021	29688	576	5148811	1390	13689
2022	23856	592	4797540	1196	17412
2023	29410	819	4319786	1910	16462

030621 – Rock lobster and other	030622 – Lobsters (excl. frozen)	030623 – Shrimps and prawn	030624 – Crabs (excl. frozen)	030629 – Crustaceans not frozen,
12	2323	761	1463	13
165	1422	1265	2243	17
678	2505	660	3483	14
607	3133	1700	5771	93
1334	2040	2606	7574	278
283	3189	3338	7390	326
847	1579	3182	5577	437
583	1794	3970	7631	1016
466	2168	11616	9084	940
932	1725	10286	11588	1419
95	1367	3021	8286	399
406	1007	1687	10025	1303
193	2278	2004	10009	6179
32	1663	1885	10512	248
84	2785	1933	11108	611
11	3243	2011	13646	395
29	3121	2731	20794	299
59	6282	2137	26493	43
73	5061	2023	31644	98
197	6988	3253	20827	325
85	6750	4974	23795	283
65	7786	10550	29134	7
322	6852	7064	37765	3045
464	6999	14584	35091	2198
161	6746	7865	35337	5532
9	3878	4902	61769	7469
12	4315	0	0	0
163	6618	0	0	0
1	5500	0	0	0
3	3028	0	0	0
3	2810	0	0	0
25	3058	0	0	0
4	3491	0	0	0

By making the chart from the given data,

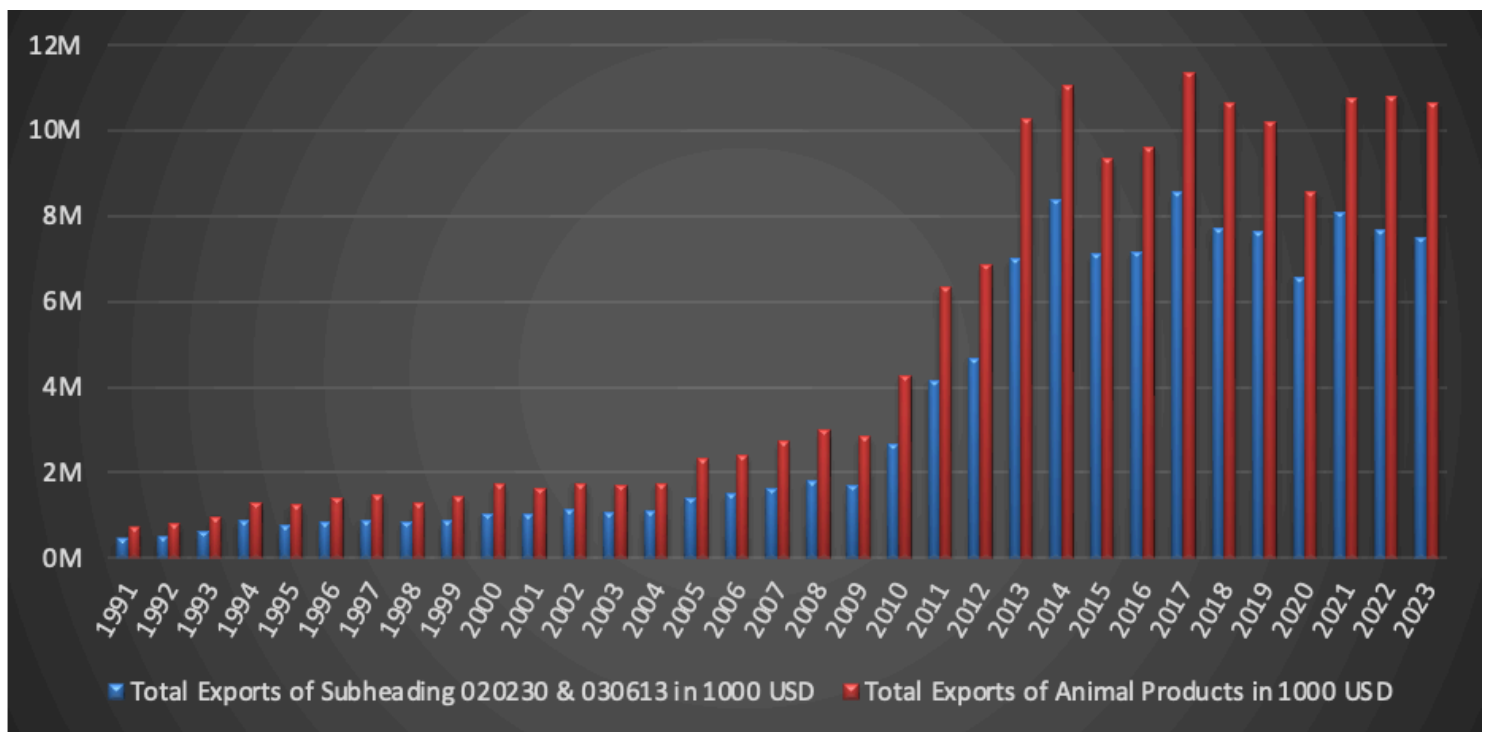


By analyzing the line chart of the given data we can easily take out some insights,

- 030613 - Frozen shrimps and prawns is the clear winner as a dominant category.
- From the year 2009 this category is exponentially grown till year 2014 and then after it shows fluctuations.
- In the current year it is declining from the past 3 years.

Year	Total Exports of Subheading 020230 & 030613 in 1000 USD	Total Exports of Animal Products in 1000 USD
1991	466598	718197
1992	512836	815836
1993	633654	961307
1994	868806	1295280
1995	767783	1241340
1996	853626	1398079
1997	878014	1494345
1998	849731	1273943
1999	865008	1424225
2000	1045767	1718899
2001	1033730	1625424
2002	1125112	1750288
2003	1077089	1709756
2004	1108757	1737652
2005	1398704	2332580
2006	1500933	2414022
2007	1622901	2723979
2008	1813282	2987400
2009	1682737	2839939
2010	2676153	4262279
2011	4151684	6327642
2012	4668843	6869452
2013	7005628	10264957
2014	8397670	11045724
2015	7116853	9358368
2016	7149996	9589894
2017	8560918	11341400
2018	7703326	10636630
2019	7625316	10194446
2020	6556012	8584399
2021	8085209	10772984
2022	7657053	10808522
2023	7507423	10653497

Average	66
Min	59
Max	76



Conclusion:

- In the Cluster of Animal Products which covers 05 chapters in it from 01 to 05. Which are:
 - 01. Live Animals
 - 02. Meat and edible meat offal
 - 03. Fish & crustacean, mollusc & other aquatic inv
 - 04. Dairy prod; birds' eggs; natural honey; edible
 - 05. Products of animal origin, nes or included.
- Overall Animal Products is an Export dominant cluster.
- To understand which chapters are contributing more to the cluster, I analyze every chapters separately and find out that,
 - Chapter 02 & 03 contributes more than others. These two chapters contribute more than 94% share of the Animal products cluster.
 - 02 - Meat and edible meat offal
 - 03 - ish & crustacean, mollusc & other aquatic inv
- 02 - Meat and edible meat offal
It contains 10 Headings in it.
 - 0201 -- Meat of bovine animals, fresh or chilled
 - 0202 -- Meat of bovine animals, frozen
 - 0203 -- Meat of swine, fresh, chilled or frozen
 - 0204 -- Meat of sheep or goats, fresh, chilled or froze
 - 0205 -- Meat of horses, asses, mules or hinnies, fresh
 - 0206 -- Edible offal of bovine animals..., fresh, chill
 - 0207 -- Meat and edible offal of poultry, fresh, chille
 - 0208 -- Other meat and edible meat offal, fresh, chille
 - 0209 -- Pig and poultry fat, fresh, chilled, frozen, saclear
 - 0210 -- Meat and offal, salted... or smoked; flours...
- 03 - Fish & crustacean, mollusc & other aquatic inv
It contains 07 Heading in it.
 - 0301 -- Live fish
 - 0302 -- Fish, fresh or chilled (excl. those of 03.04)
 - 0303 -- Fish, frozen, (excl. those of 03.04)
 - 0304 -- Fish fillets and other fish meat, fresh, chille
 - 0305 -- Fish, salted, dried...; smoked fish; fish flours,
 - 0306 -- Crustaceans, fresh, chilled or frozen; flours, pel
 - 0307 -- Molluscs & aquatic invertebrates, nes; flours, mea

- From the Heading 02 - Meat and edible meat offal,
After investigating more deeper in it, I can conclude,
 - 0202 -- Meat of bovine animals, frozen clear is dominating in this chapter.
- From the Heading 03 - Fish & crustacean, mollusc & other aquatic inv
After investigating more deeper in it, I can conclude,
 - 0306 -- Crustaceans, fresh, chilled or frozen; flours, pel
- For the better understanding I delve more deeper in this category and found,
 - 0202 -- Meat of bovine animals, frozen clear include 03 further classification.
 - 020210 -- Frozen bovine carcasses and half carcasses
 - 020220 -- Frozen unboned bovine meat (excl. carcasses)
 - 020230 -- Frozen boneless bovine meat

0306 -- Crustaceans, fresh, chilled or frozen; flours, pel clear include 10 further classification.

- 030611 -- Frozen rock lobster and other sea crawfish
- 030612 -- Frozen lobsters
- 030613 -- Frozen shrimps and prawns
- 030614 -- Frozen crabs
- 030619 -- Frozen crustaceans, nes, including flours, meals &
- 030621 -- Rock lobster and other sea crawfish (excl. froz
- 030622 -- Lobsters (excl. frozen)
- 030623 -- Shrimps and prawns (excl. frozen)
- 030624 -- Crabs (excl. frozen)
- 030629 -- Crustaceans not frozen, nes, include flours, meals

- More analysis takes me to the actual reason or category for the high dominance of Exports in the cluster of Animal Products.

For the dominance of exports it the Heading 0202 & 0306,

- 020230 -- Frozen boneless bovine meat is dominating
- 030613 -- Frozen shrimps and prawns is dominating

- ❖ Final conclusions take me to understand that,

Just SubHeading

020230 -- Frozen boneless bovine meat

&

030613 -- Frozen shrimps and prawns

Contributes 66% as an average from the year 1991 to 2023 in Exports and carries the dominance.

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