SEAFOOD PROCESSING TECHNOLOGY

Prof. Dr. Hasan H. ATAR Asisst. Prof. Dr. İlknur MERİÇ TURGUT

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General Overview of Aquaculture

In 2011, the production of aquatic products in the world reached 11.5 in domestic, 78.9 in seas, 63.6 million in aquaculture and 154 million tons (worth US \$ 217.5 billion) in total.

The total production figures obtained for years are slow in the domestic waters and a rapid increase in the aquaculture production. In 1996, in the world seas, the total amount of aquaculture obtained by fishing reached its peak with 86.4 million tonnes of production, despite the increasing hunting power, this amount showed a declining trend in the following years and production reached 78.9 million tonnes in 2011. 1. week

	2007	2008	2009	2010	2011	2012
	(Million tonnes)					
PRODUCTION						
Capture						
Inland	10.1	10.3	10.5	11.3	11.1	11.6
Marine	80.7	79.9	79.6	77.8	82.6	79.7
Total capture	90.8	90.1	90.1	89.1	93.7	91.3
Aquaculture						
Inland	29.9	32.4	34.3	36.8	38.7	41.9
Marine	20.0	20.5	21.4	22.3	23.3	24.7
Total aquaculture	49.9	52.9	55.7	59.0	62.0	66.6
TOTAL WORLD FISHERIES	140.7	143.1	145.8	148.1	155.7	158.0
UTILIZATION1						
Human consumption	117.3	120.9	123.7	128.2	131.2	136.2
Non-food uses	23.4	22.2	22.1	19.9	24.5	21.7
Population (billions)	6.7	6.8	6.8	6.9	7.0	7.1
Per capita food fish supply (kg)	17.6	17.9	18.1	18.5	18.7	19.2



						Variation	
2012	Scientific	FAO English name	2003	2011	2012	2003–2012	2011–2012
Ranking	name			(Tonnes)		(Perce	ntage)
1	Engraulis ringens	Anchoveta (= Peruvian anchovy)	6 203 751	8 319 597	4 692 855	-24.4	-43.6
2	Theragra chalcogramma	Alaska pollock (= walleye pollock)	2 887 962	3 207 063	3 271 426	13.3	2.0
3	Katsuwonus pelamis	Skipjack tuna	2 184 592	2 644 767	2 795 339	28.0	5.7
4	Sardinella spp.1	Sardinellas nei	2 052 581	2 344 675	2 345 038	14.2	0.0
5	Clupea harengus	Atlantic herring	1 958 929	1 780 268	1 849 969	-5.6	3.9
6	Scomber japonicus	Chub mackerel	1 825 130	1 715 536	1 581 314	-13.4	-7.8
7	Decapterus spp.1	Scads nei	1 438 905	1 384 105	1 441 759	0.2	4.2
8	Thunnus albacares	Yellowfin tuna	1 498 652	1 239 232	1 352 204	-9.8	9.1
9	Engraulis japonicus	Japanese anchovy	1 899 570	1 325 758	1 296 383	-31.8	-2.2
10	Trichiurus Iepturus	Largehead hairtail	1 249 408	1 258 389	1 235 373	-1.1	-1.8
11	Gadus morhua	Atlantic cod	849 015	1 051 545	1 114 382	31.3	6.0
12	Sardina pilchardus	European pilchard (= sardine)	1 052 003	1 037 161	1 019 392	-3.1	-1.7
13	Mallotus villosus	Capelin	1 143 971	853 449	1 006 533	-12.0	17.9
14	Dosidicus gigas	Jumbo flying squid	402 045	906 310	950 630	136.4	4.9
15	Scomberomorus spp.1	Seerfishes nei	702 010	918 495	914 591	30.3	-0.4
16	Scomber scombrus	Atlantic mackerel	689 606	945 452	910 697	32.1	-3.7
17	Strangomera bentincki	Araucanian herring	304 048	887 272	848 466	179.1	-4.4
18	Acetes japonicus	Akiami paste shrimp	542 974	550 297	588 761	8.4	7.0
19	Brevoortia patronus	Gulf menhaden	522 195	623 369	578 693	10.8	-7.2
20	Nemipterus spp.1	Threadfin breams nei	636 644	551 239	576 487	-9.4	4.6
21	Engraulis encrasicolus	European anchovy	620 200	607 118	489 297	-21.1	-19.4

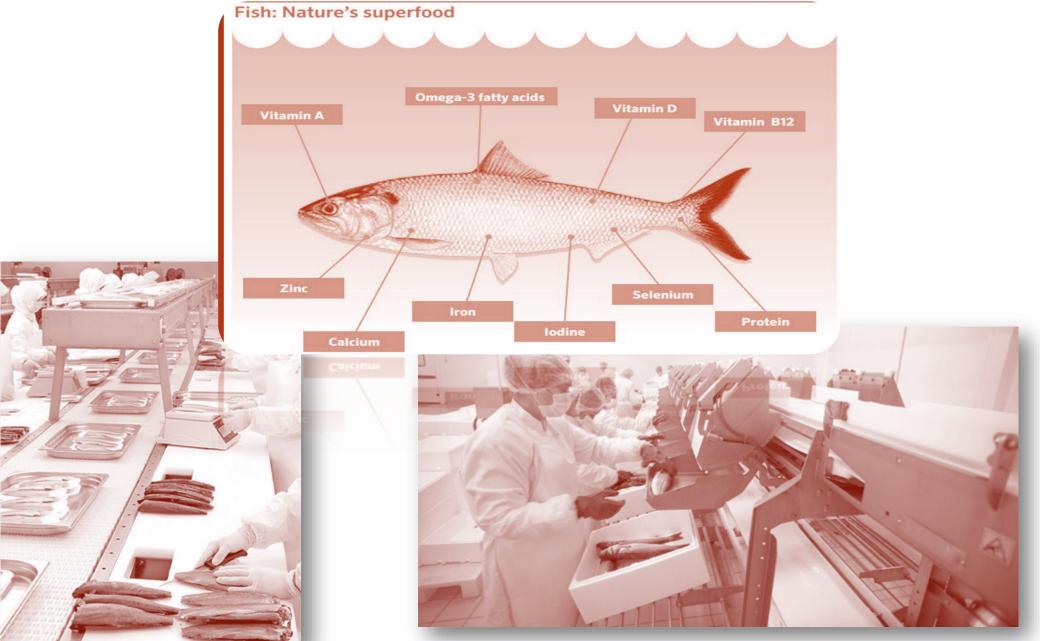
GLOBAL SEAFOOD CONSUMPTION NOW vs FUTURE

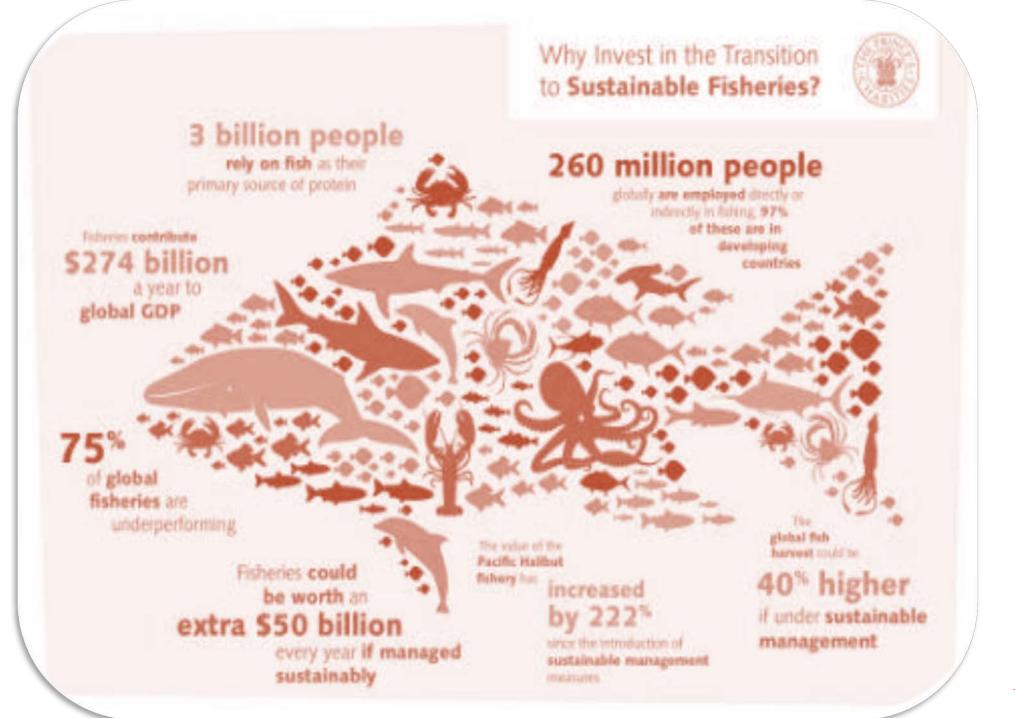


Sources: FAOSTAT (2014) // Fish to 2030 (2013)

#Fish2030









Resources	Numbers	Area (ha)
Natural Lakes	200	906.118
Dam Lakes	206	342.377
Man-made Lakes	952	27.032
Seas (total surface)	4	24.607.200
TOTAL	1.362	26.000.000



Additional, 33 rivers 177.000 km in length and coastal line 8.333 km Turkey has 2nd longest coast line in the Mediterranean

