



Food loss and waste (FLW) in aquatic food value chains in the United Republic of Tanzania

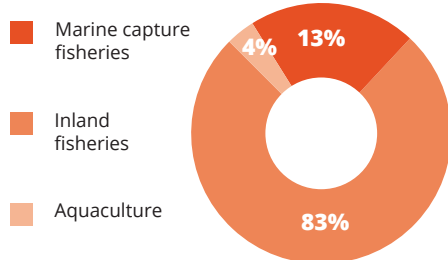
United Republic of Tanzania



Fish production

Fish production from marine capture fisheries and inland fisheries and aquaculture has contributed 13 percent, 83 percent and 4 percent respectively to the total average annual fish production of 485 770 tonnes during last 5 years.

TOTAL PRODUCTION
Average in tonnes (2016–2020)



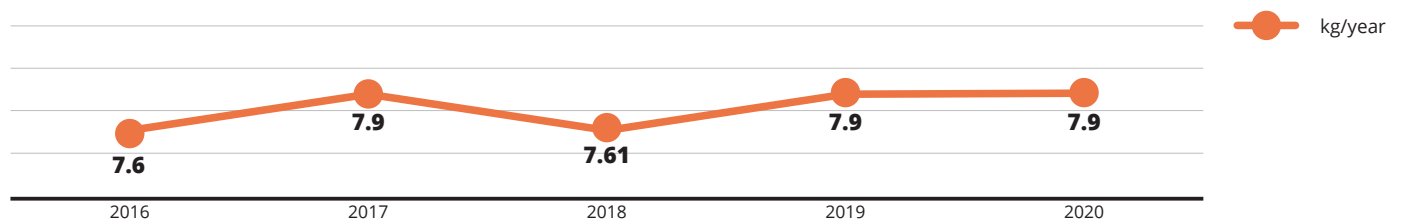
	Marine	Inland	Aquaculture	Total (tonnes)
2016	53 823 300	308 771 590	5 677 364	368 272 254
2017	55 169 520	332 373 040	11 000 000	398 542 560
2018	53 231 940	323 129 770	16 288 000	392 649 710
2019	60 976 510	409 332 720	18 081 600	488 390 830
2020	63 763 930	409 828 310	17 254 600	490 846 840



Consumption per capita

Fish contribute more than 30 percent of animal protein intake to consumer diets. Per capita fish consumption in 2020 was 7.9 kg.

PER CAPITA FISH CONSUMPTION



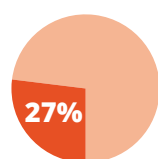
Value chain actors

Around **203 529 people** are directly involved in fishing and aquaculture and more than 4 million indirectly depends on fisheries related activities for their livelihoods. Fisheries and aquaculture sector contribute to around 1.71 percent of the country's gross domestic product (GDP).

Major fish species

Fish (English)	Scientific name	Local name	Production (MT)
Sardines (inland)	<i>Stolothrissa tanganicae</i> , <i>Limnothrissa miodon</i> , <i>Rastrineobola argentea</i> , <i>Strothrissa species</i> , <i>Eungrilicypus sadella</i>	Dagaa Dagaa/lumbu	179 517.05
Sardines (marine)	<i>Anchoviella commersonii</i> , <i>Carcharinus falciformis</i> , <i>Sardinella neglecta</i>	Dagaa papa Dagaa mchele	8 053.86
Nile perch	<i>Lates niloticus</i>	Sangara	93 036.37
Perch	<i>Lates stappersii</i>	Mgebuka/mvolo	33 059.64
Crustaceans and cephalopods (Crabs, Lobsters & Octopus)	<i>Octopus chromatus</i> , <i>Panulirus ornatu</i>	Pweza Kamba	7 286.52
Tunas	<i>Gymnosarda unicolor</i> , <i>Scomberomorus plurilineatus</i> , <i>Thunnus obesus</i>	Jodari	6 798.04
Tilapia	<i>Oreochromis niloticus</i> <i>Oreochromis tanganicae</i> Other <i>Oreochromis spp</i>	Sato/Ngege	15 962.85

Food loss and waste



Main causes of fish loss and waste (mainly quality loss 27 percent):

- weak cold chain systems (CSS);
- poor transportation from landing through the distribution chain;
- poor processing, handling techniques, distribution of fish and fishery products;
- poor handling and storage practices lead to increased microbial contamination, speeding up the spoilage rate of fish;
- discarding of bycatch at sea (fish is too small or low value);
- animal predation and insect infestation;
- inadequate packaging and storage practices leading to damage of the end product.



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