

SUPPLY OF FISH FAT AND PERSPECTIVES



COSTA

- 1. PANGASIUS FISH OIL- GERNERAL INFO
- 2. THE PANGA-FO SUPPLY CHAIN.
- 3. COSTA FISH OIL YOUR TRUSTED PARTNER

1. PANGASIUS FISH OIL- GERNERAL INFO

▶ About the fish: PAGASIUS HYPOTHALYMYOS a <u>freshwater</u> fish that natively live in a <u>tropical</u> climate and prefer water with a 6.5-7.5 <u>pH</u>, a water hardness of 2.0-29.0 <u>dGH</u>, and a temperature range of 22-26 °C (72-79 °F). They prefer large bodies of water similar to the deep waters of their native Mekong river basin.

► They are mostly allocated in SOUTHEAST ASIA, especially VIETNAM - The biggest supplier of the panga-fish fillet in the word now.



- The fish are raised at farming area under mass scale.
- Total farming area in
 Vietnam: 5,000 hecta =>
 1,2 mil tons of fish in 2016.



1. PANGASIUS FISH OIL- GERNERAL

INFO

PRODUCTION :







66.68 %



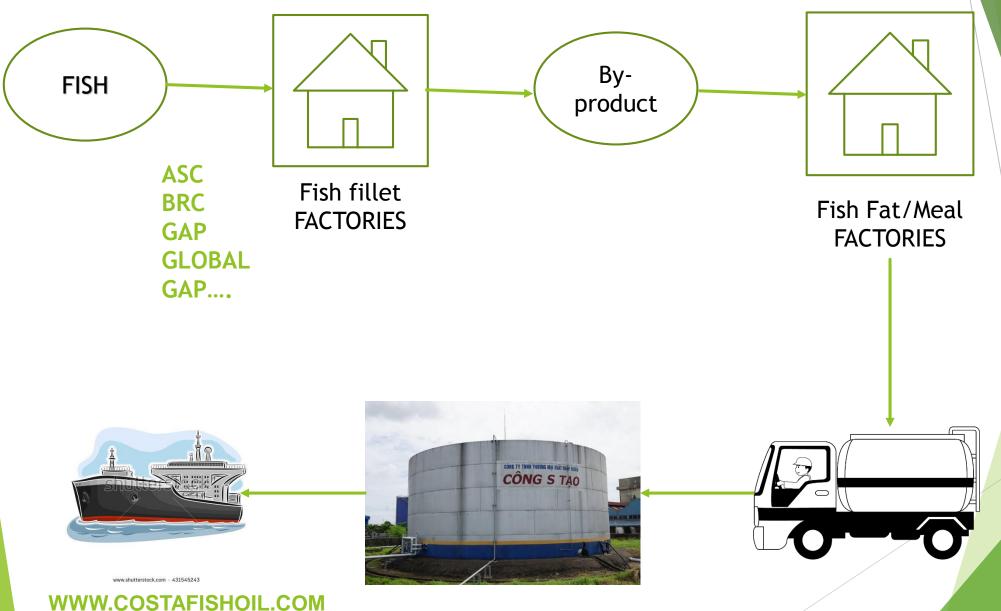
22-25 %



20-23%



2. THE PANGA-FO SUPPLY CHAIN



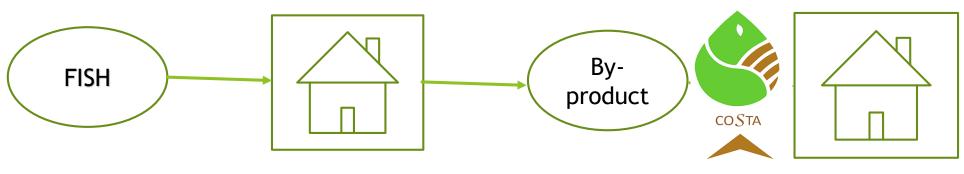


3. COSTA FISH OIL – YOUR TRUSTED PARTNER

- We are from Vietnam, a supplier of FISH FAT to one of the top renewable producer in Finland.
- Since 2011, the founder started building up the supply channel of FISH FAT.
- We are developing the UCO supply chain
- => 2kt tons monthly by end 2018.



WE ARE NOT A TRADER ONLY -SUPPLY CHAIN: SECURED-SOURCE





- Volume secured 3-4.5kt monthly.
- ISCC CERTIFICATION BY MAR2018.

Fish
Fat/Meal
FACTORIES









Storage tank: 2 X 3,000m3







The tank terminal area





Our private terminal can welcome 10.000ton vessel









Pumping system





Pumping system





pipe





Oil tank truck





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