

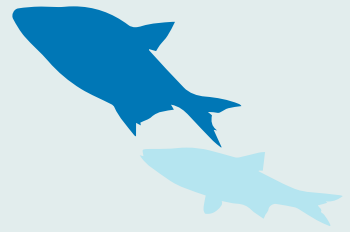
# AVOIDING OVERFISHING

Presented by: Kei Lei Mui



# What is 'Overfishing'?

Overfishing is the act of catching too many fish at one time, leading to the breeding population to be too consumed to bounce back.



# Who does overfishing affect?

Mediterranean is the world's most overfished sea, but the act of overfishing affects billions of people worldwide that rely on fish and other seafood for survival. Some countries include China, Indonesia, India, Vietnam, and the Philippines.





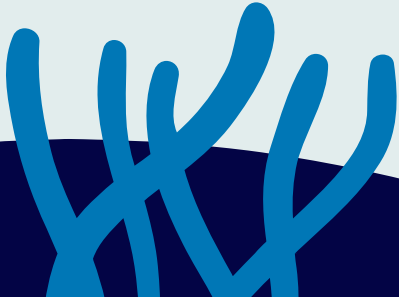
# Ecosystems affected

Overfishing can impact the entire ecosystem of the ocean and further up the chain. From changing the size of the remaining fish to how they will reproduce and even their rate of their growth.

When overfishing occurs, it creates a dent to the food web and causes the organism higher up to suffer as well. Especially vulnerable species like sea turtles and corals.

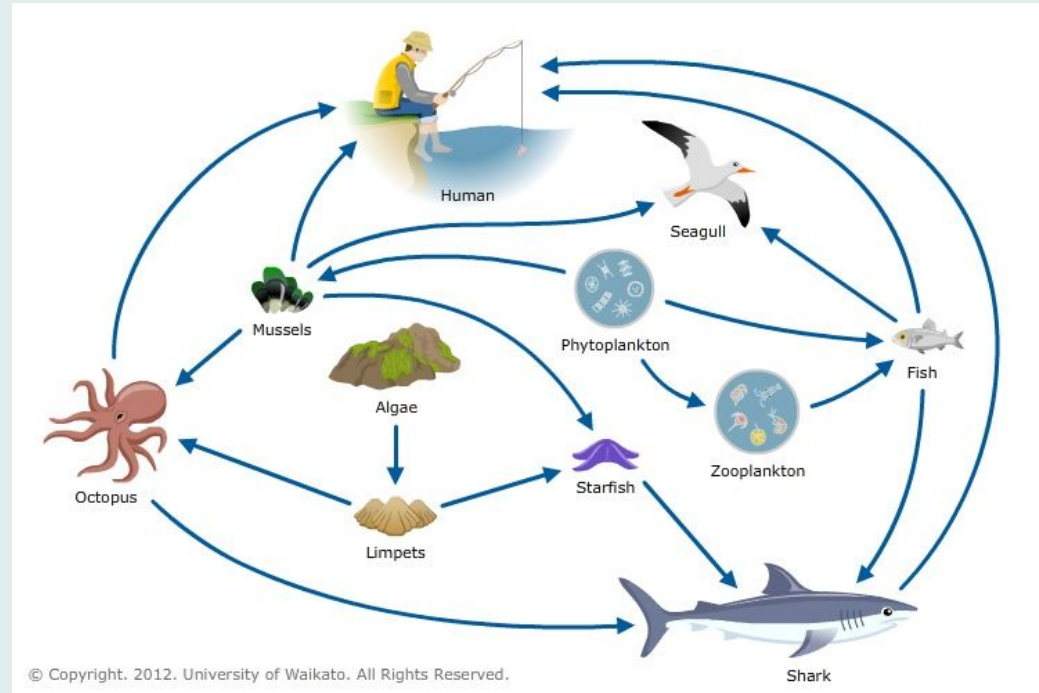


Food web diagram in next slide.



# Marine Life Food Web

This diagram shows the food web of the ocean, if fishes were removed, it would affect planktons, sharks, seagulls, and humans directly. It will also lead to a domino effect since they all rely on each other for a stable system.



# Effects of Overfishing on stakeholders

Overfishing will affect stakeholders, the fishermen and their representative organisations, by causing them to waste more money. Overfishing relates 'bycatching.' This is the capturing of huge amounts of unwanted fish which are then thrown out.

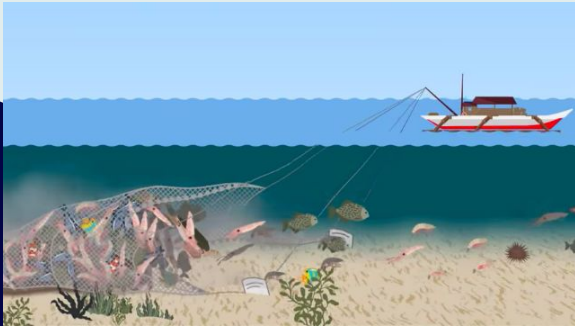




# How to mitigate the hazards

## Cooperations

Stop trawling! The use of the big nets to fish pick up any animal that is in reach. This hurts many marine life since they get tossed out if not wanted.



## Consumers

Spread the word or think about avoiding seafood/ animal products if possible. The less we consume, the less corporations will overfish.

Fish are friends ...



**NOT FOOD!**

## Citizens

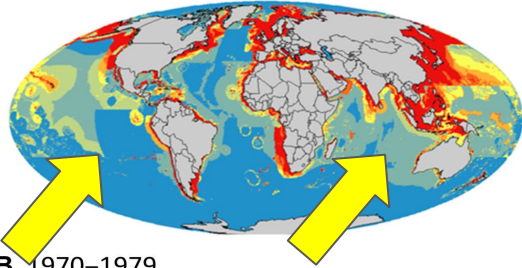
We can volunteer and help marine protected areas by promoting more no-catch zones and allow fish populations to regulate and replenish.



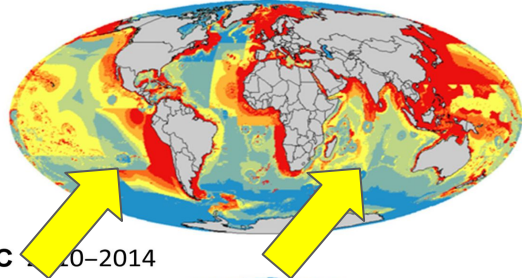


# Increase of fishing

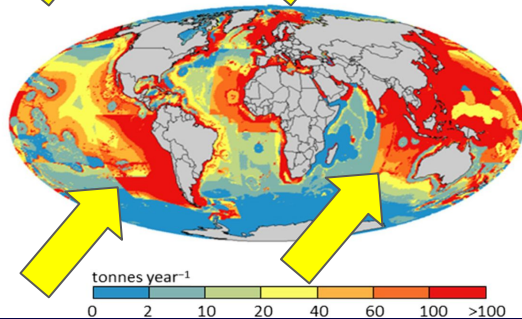
A 1950–1959



B 1970–1979



C 2010–2014

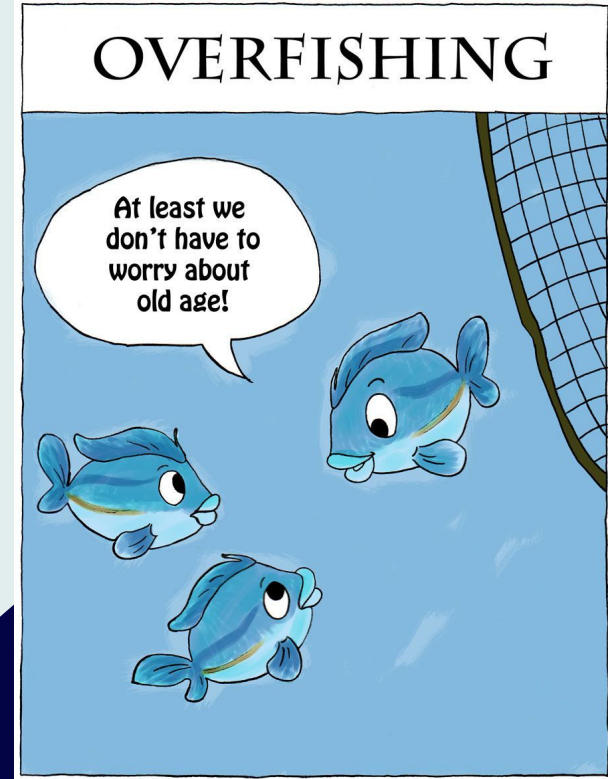


From this map, it is shown the global patterns in total fisheries catches from more than 50 years. It is seen more red appears throughout the years, representing more than 100 tonnes of fish are caught per year. I have put arrows indicating the dramatic change.

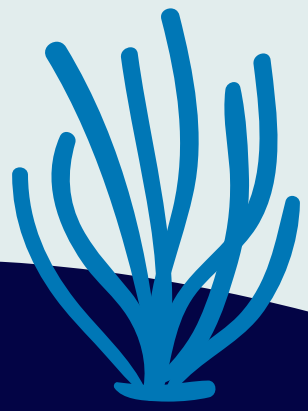
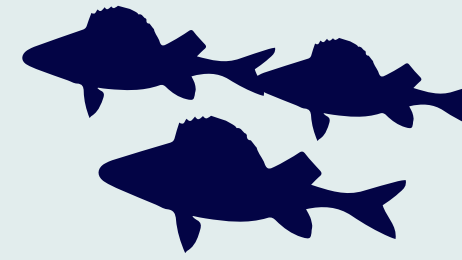
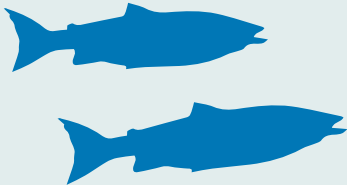
# Personal reflection

This topic matters to me greatly since I am an Environmental Studies major, however it should matter to a lot of people because our marine ecosystem is being pushed to the edge. You do not need to be majoring in a related to topic to realize this is a serious and saddening matter. This issue is hard to completely solve since the ocean is a huge area. The government and higher officials can lay laws down but it will be difficult to monitor everyone and everything. I just hope that corporations realize that they cannot overwork the oceans. It will hurt them in the end when the fish populations are near zero and they can not farm anymore product. It is saddening to realize what is happening to our planet and seeing people take advantage of it.

Kei Mui



**Thank  
you for  
listening!**



# Sources

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