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# Global Fisheries and Fisheries Management: Accomplishments and Challenges

A presentation at the online conference

## World Fish Market: International Cooperation vs. Pandemic

September 22, 2020

# World Ocean Fishery is in a Bad Shape!

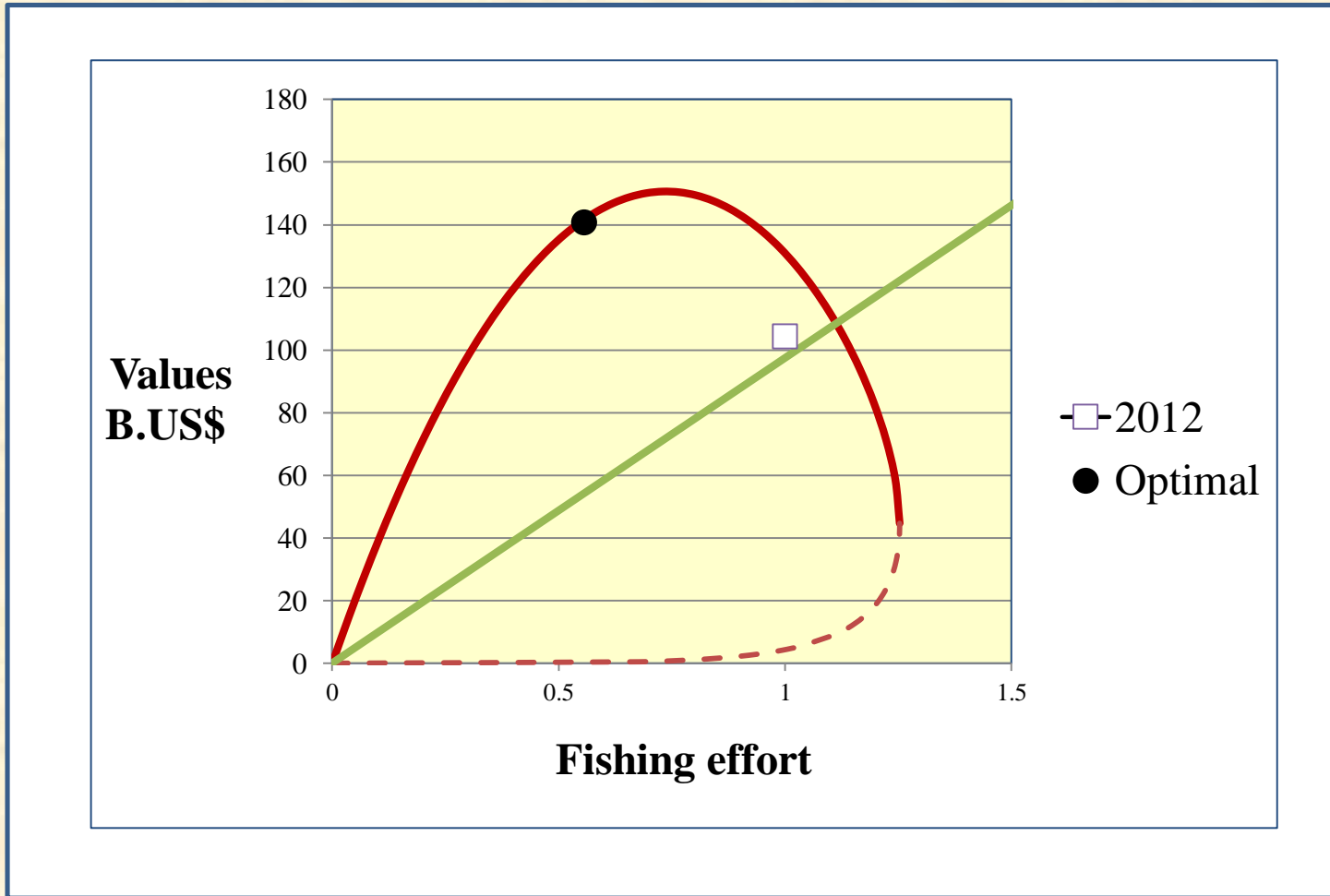
## Estimate for 2012

(World Bank, Sunken Billions 2017)

- Biomass  $\approx$  37% of optimal
- Fishing effort  $\approx$  179% of optimal
- Lost economic profits  $\approx$  83 B. US\$

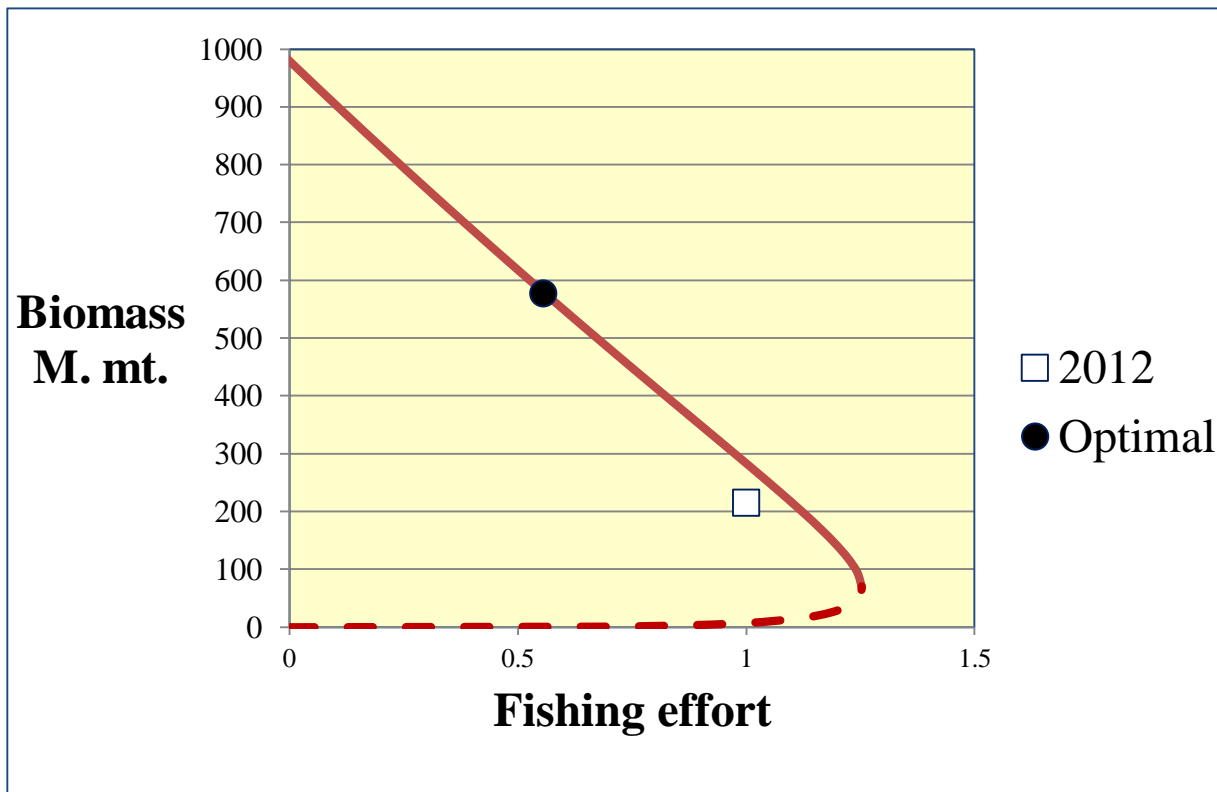
# The sustainable fishery in 2012

(World Bank: Sunken Billions 2017)



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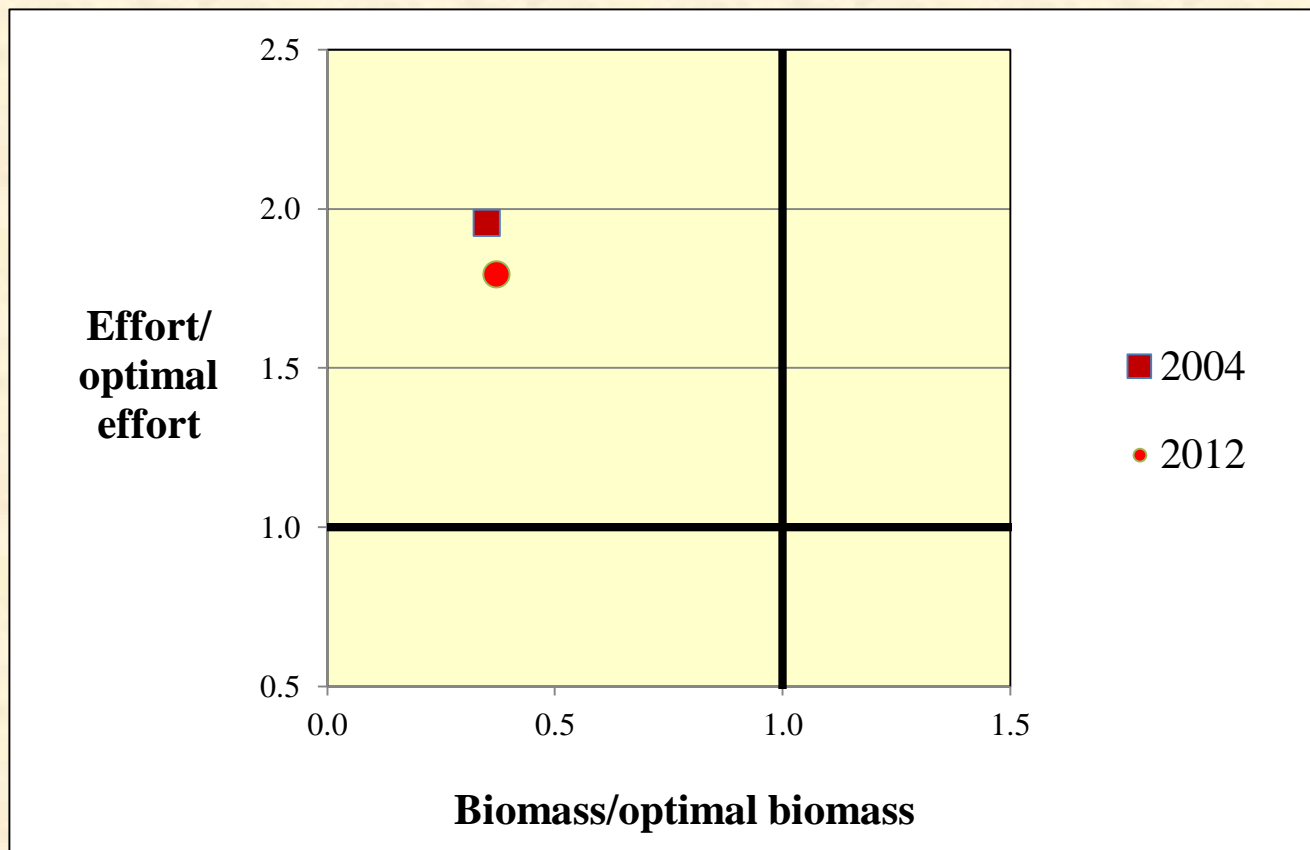
(World Bank: Sunken Billions 2017)



Apparently,  
some progress in  
the global fishery since 2004 !

# Evolution 2004 to 2012

(Kobe-diagram in biomass-fishing effort space)

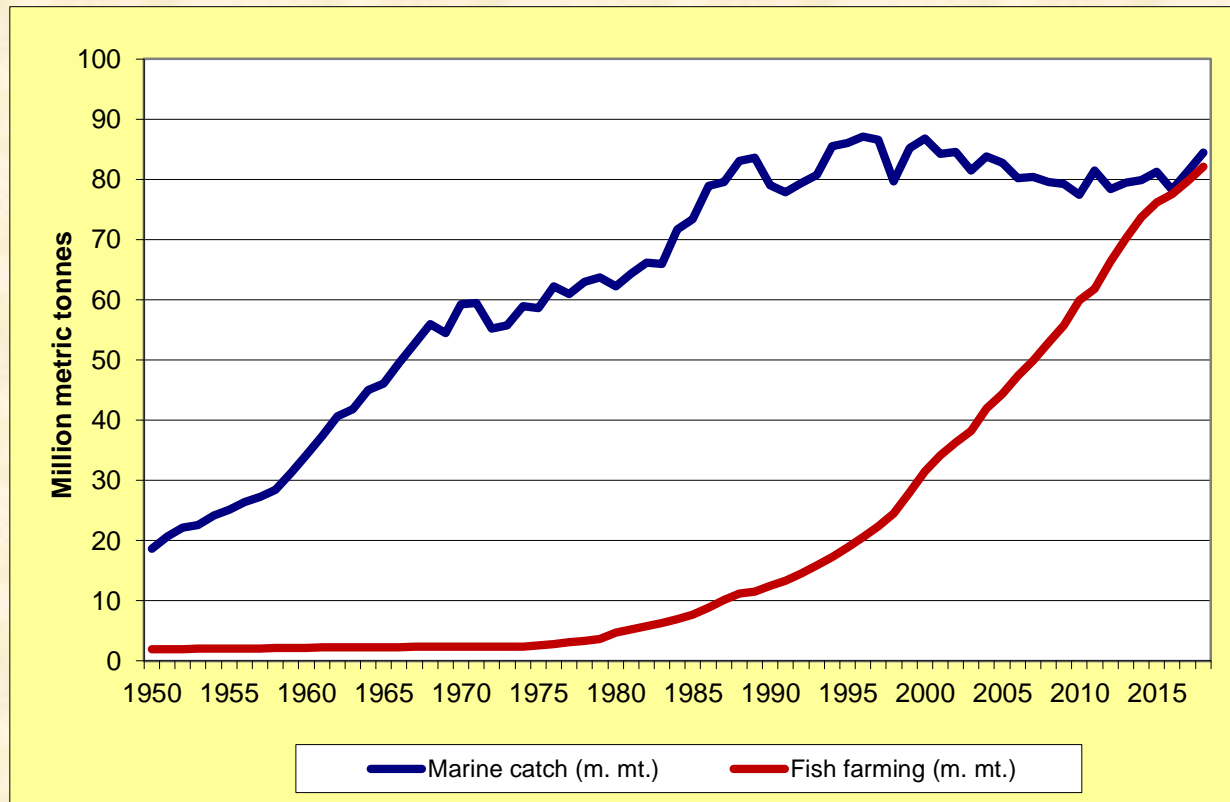


# Main reason for progress: Improved global fisheries management

- **25-30%** of global fisheries have become subject to efficient management
  - Mostly IQs/ITQs, primarily in western countries
- Additional **10-20%** subject to effective TAC management

But note **50%** are not well suited to IQ/ITQs  
(Mainly artisanal fisheries in Africa, SE Asia and Latin America)

# Main challenge to capture fisheries markets: Fish farming





# Challenge for capture fisheries?

1. Most fish prices will converge to aquaculture price of production
  - Scarcity premia on fish price will gradually disappear (except maybe on some special types of fish)
2. Profitability of fishing will suffer
  - Particularly bad for common property fisheries and developing country fisheries
3. But good for fish consumers and the marine environment

**END**