Global Seafood

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- Sustainable Seafood Campaigns





Wild Fisheries

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"Fisheries are the last major world industry exploiting wild natural resources for food, yet we do not think of the industry in such terms. fish are perceived and managed as something other than wildlife"

Bycatch

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Dynamic market, changes over time: Halibut in New England (1830), Atlantic Bluefin Tuna (1930), Rock and Jonah Crabs.

the change in ocean



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Aquaculture

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spreading the word: sustainable seafood

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Seafood Awareness Campaigns





Seafood Guides





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environmental organizations on the industry

Restoring Institutional Trust: A Systemic Approach



Global Seafood

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Seafood makes up 1/5 of animal protein in the human

diet worldwide

- Bycatch and IUU Fishing
- Aquaculture
- Sustainable Seafood Campaigns



Wild Fisheries

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"Fisheries are the last major world industry exploiting wild natural resources for food, yet we do not think of the industry in such terms. Consider the US National 'Fish' and 'Wildlife' Service, a name that implies fish are perceived and managed as something other than wildlife"

Dynamic market, changes over time: Halibut in New England (1830), Atlantic Bluefin Tuna (1930), Rock and Jonah Crabs.

Changing market reflecting the change in ocean ecosystems?



Bycatch

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"Bycatch: non-selective fishing practices that threaten non-targeted sea life, causing ecological degradation, and biological and economic waste"

Historically was not acknowledge by scientists,

conservationists, fisheries managers

Purse-Seine Tuna fisheries in eastern Pacific in late 60s-early

70s: Dolphin Safe Tuna and the Marine Mammal Protection

Act (1972)





27 million tons in 1994, decreased since then but difficult to estimate

Technical approach, regulatory approach, social approach to management

Illegal, Unreported, and Unregulated Fishing



Definitions

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- Illegal: conducted by a vessel operating under fisheries management but violates regulations, operates in a country's waters without permission, on the high seas without flags or identification
- Unreported: catches that are underreported, misreported, or entirely unreported to relevant authorities by fishing vessels or the flag state
- Unregulated: activity of vessels that do not participate in fisheries management or fly the flag of a state that does not participate in fisheries organizations

Economic incentives to participate in IUU fishing vs. enforcement efforts Implications for management and economic impacts

Aquaculture Thecasesolutions.com

Fastest growing food industry: 9.2% per year since 1970

1/4 of all fish directly consumed by humans comes from aquaculture Problems with biological efficiency: salmon, 25-50 kcals inputs = 1 kcal salmon protein





Fishing down and farming up the food web Environmental impacts: habitat destruction, introducing non-indigenous species, pollution Will it relieve pressure on wild fish stocks?

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Seafood Awareness Campaigns







Seafood Guides

200+ sustainabe seafood guides - MBAq "Seafood Watch" one of the most popular/widespread



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Impact of seafood guides on consumers

Impact of seafood guides on the seafod industry: distributors and fisheries