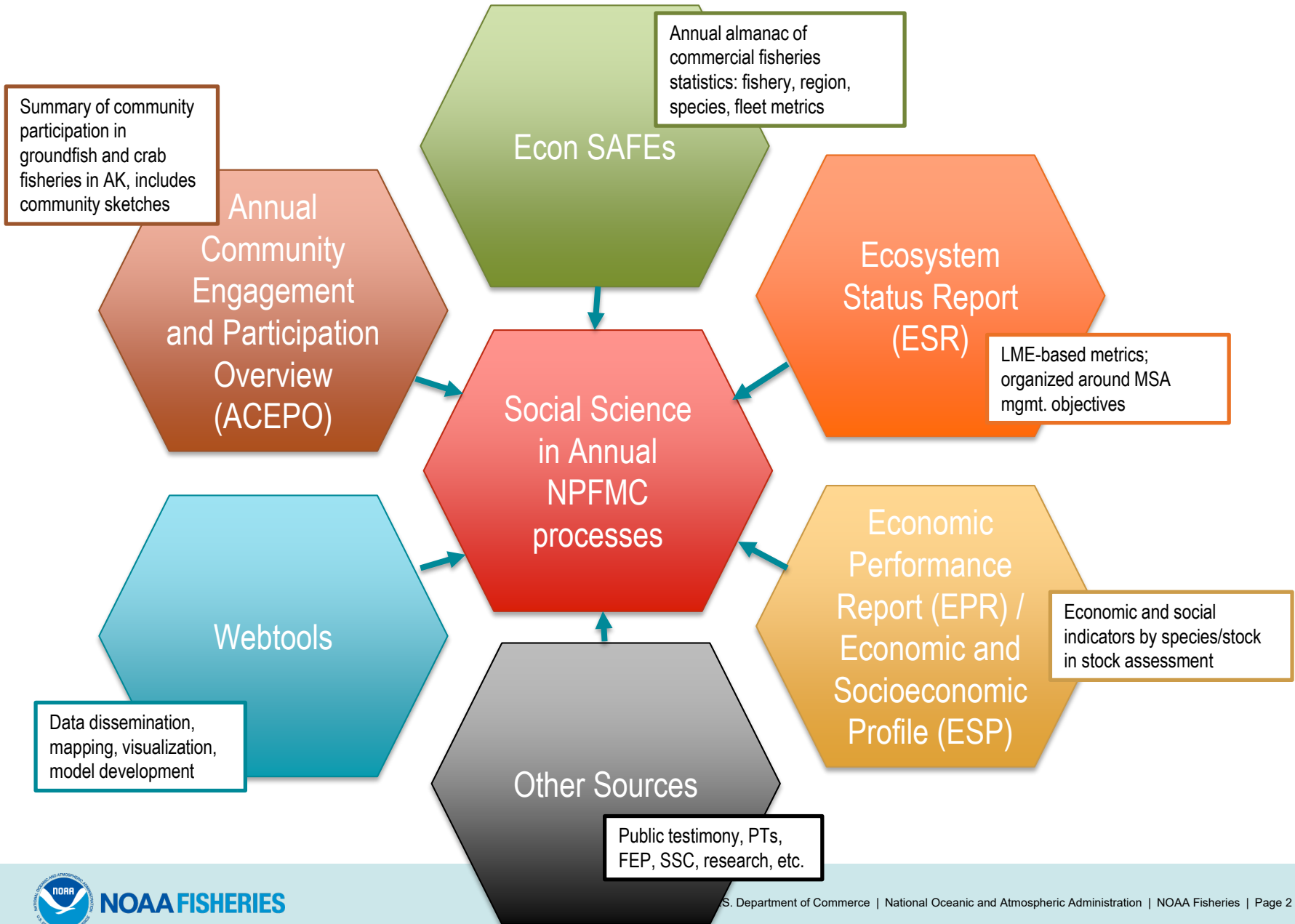


Annual Human Dimensions Indicator Treasure Hunt

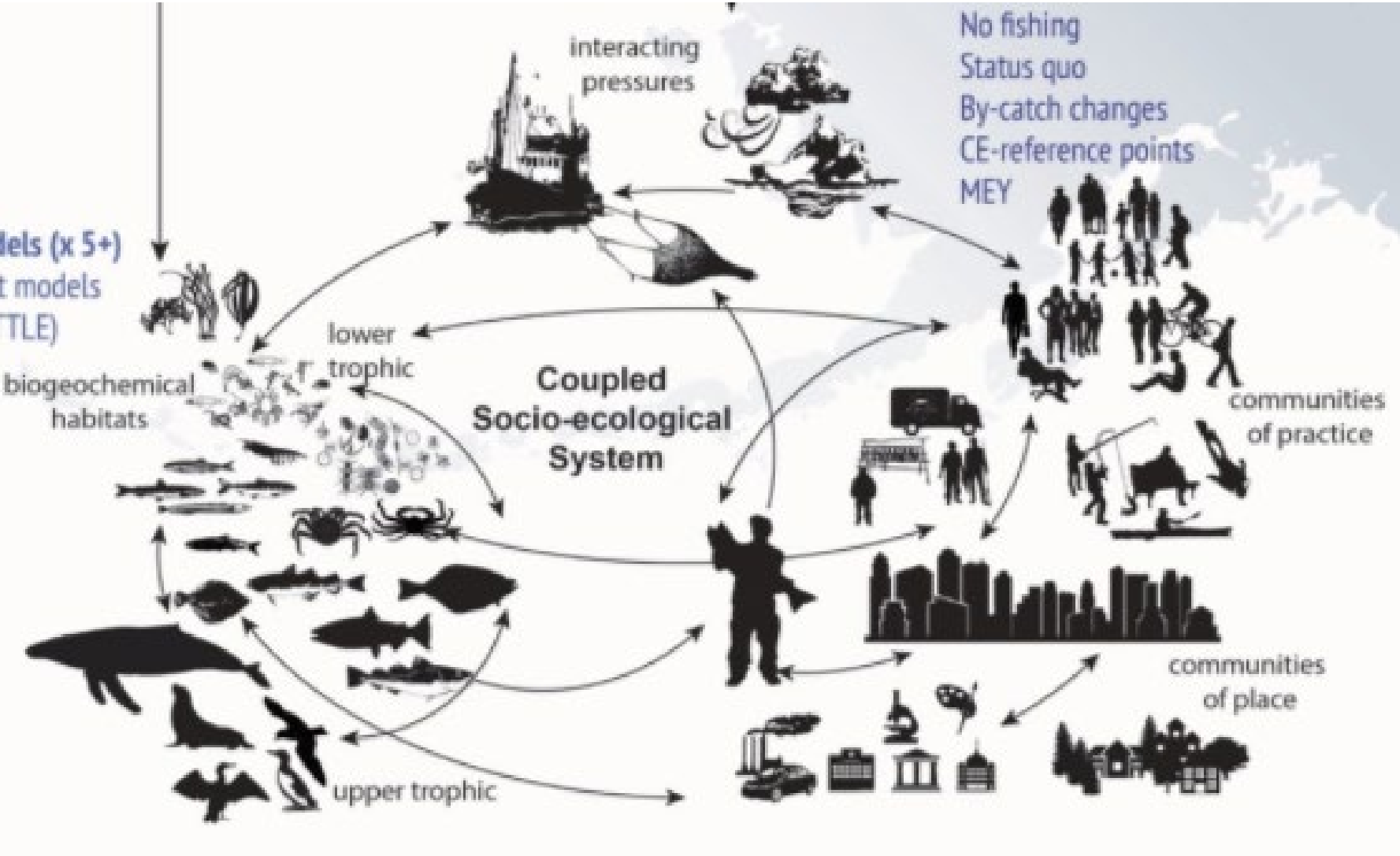
Steve Kasperski, NMFS/AFSC
Presented to the Joint Groundfish Plan
Team September 21, 2021



AFSC providing social science info into Annual NPFMC processes

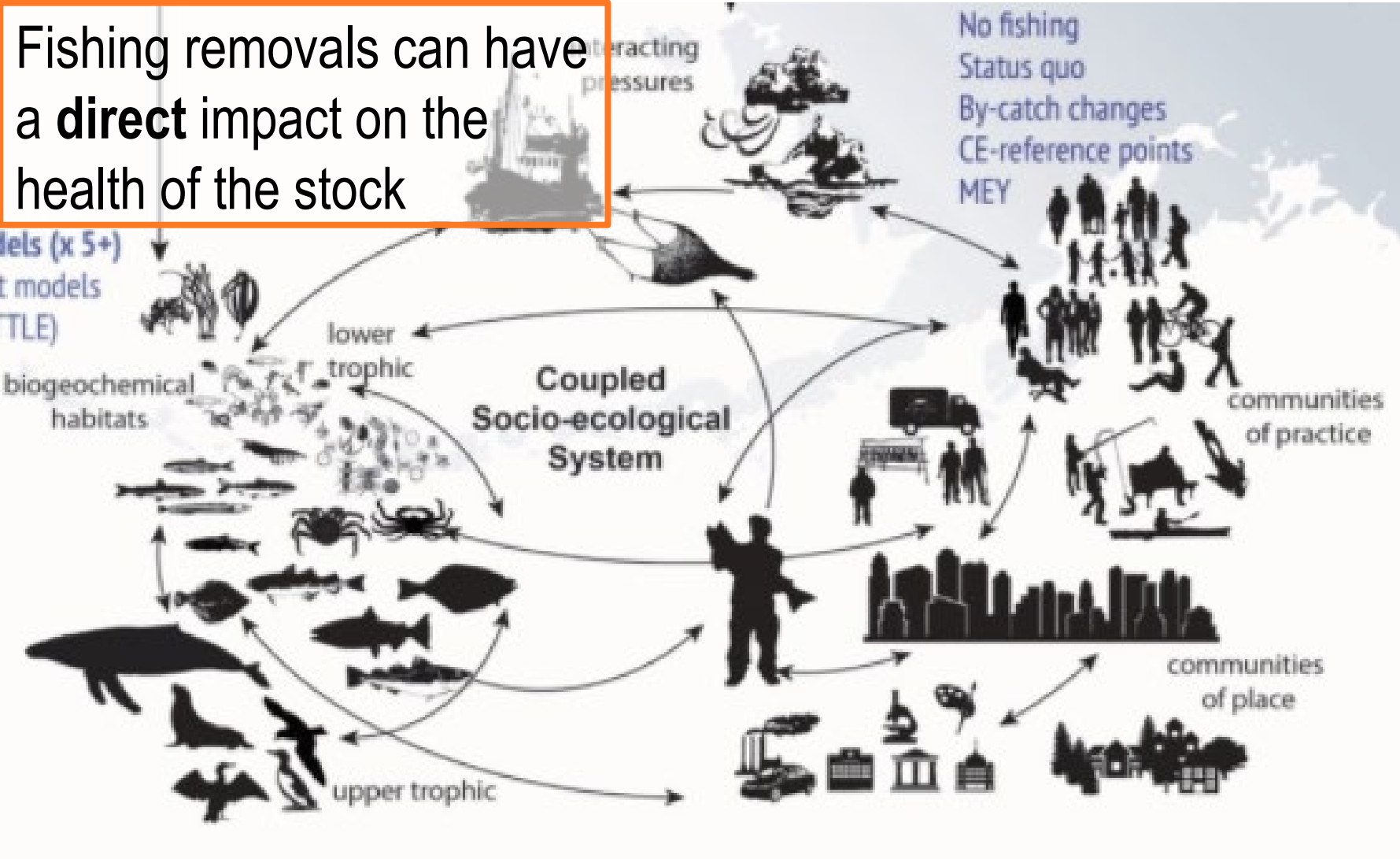


Conceptualizing the Coupled Socio-ecological System of the North Pacific



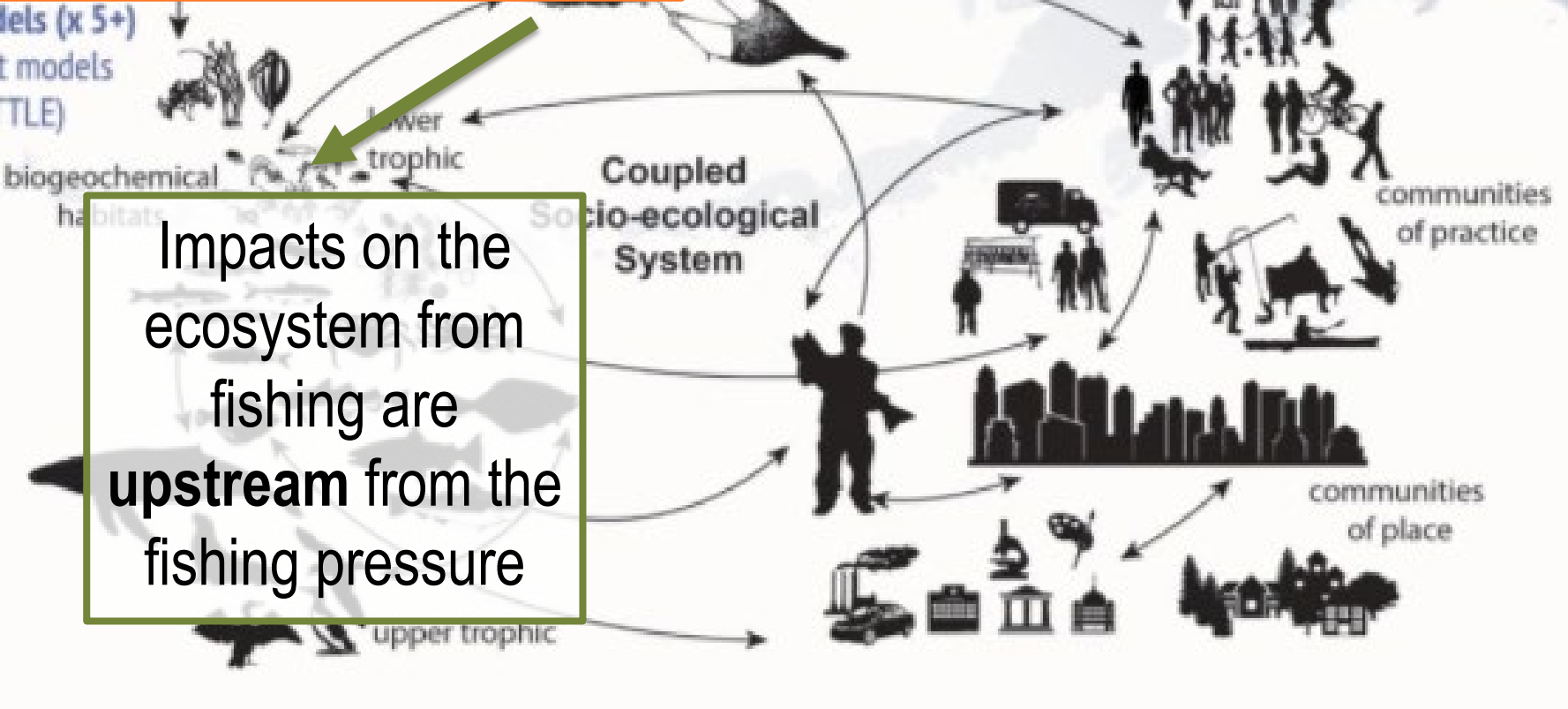
Conceptualizing the Coupled Socio-ecological System of the North Pacific

Fishing removals can have a **direct** impact on the health of the stock

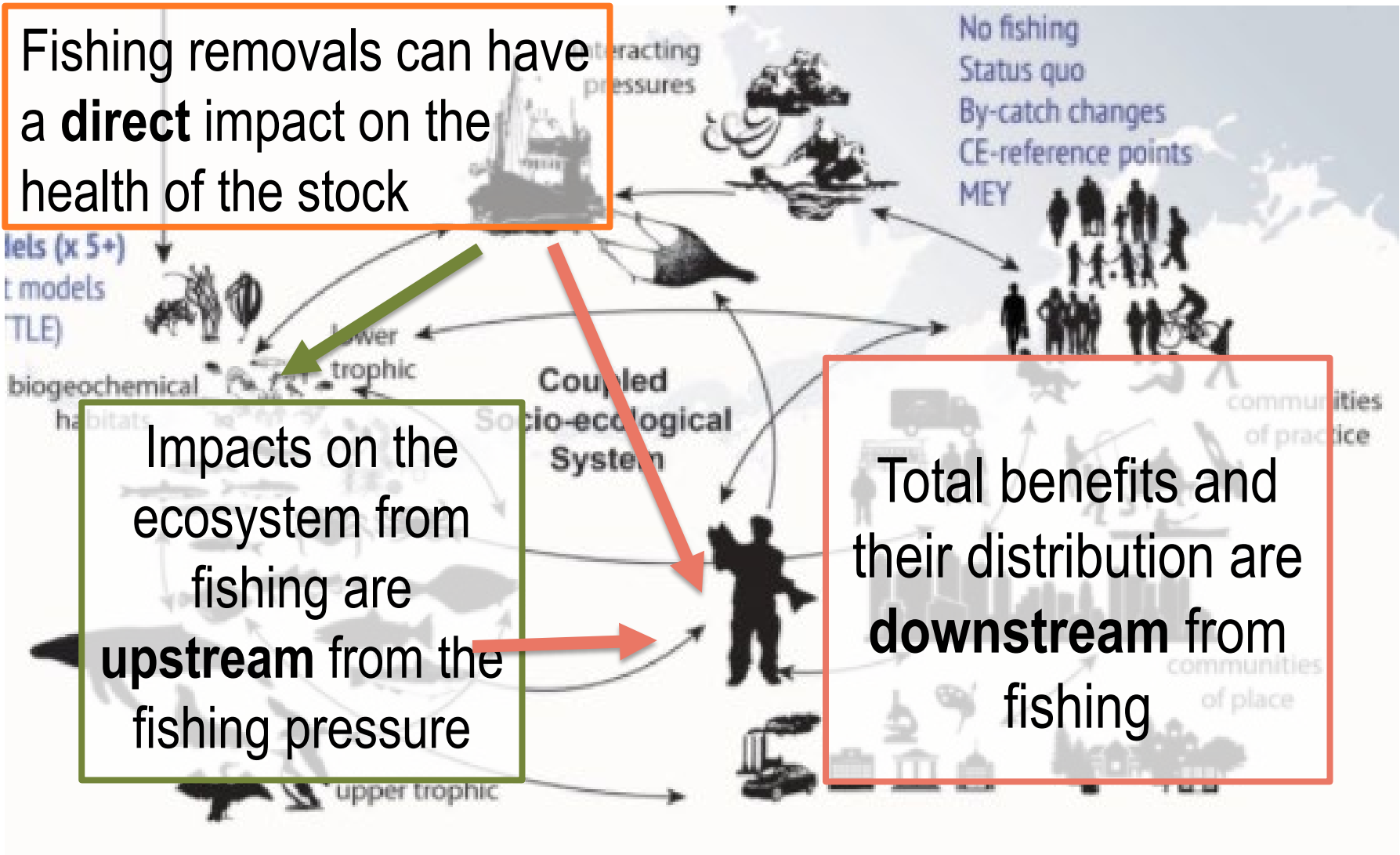


Conceptualizing the Coupled Socio-ecological System of the North Pacific

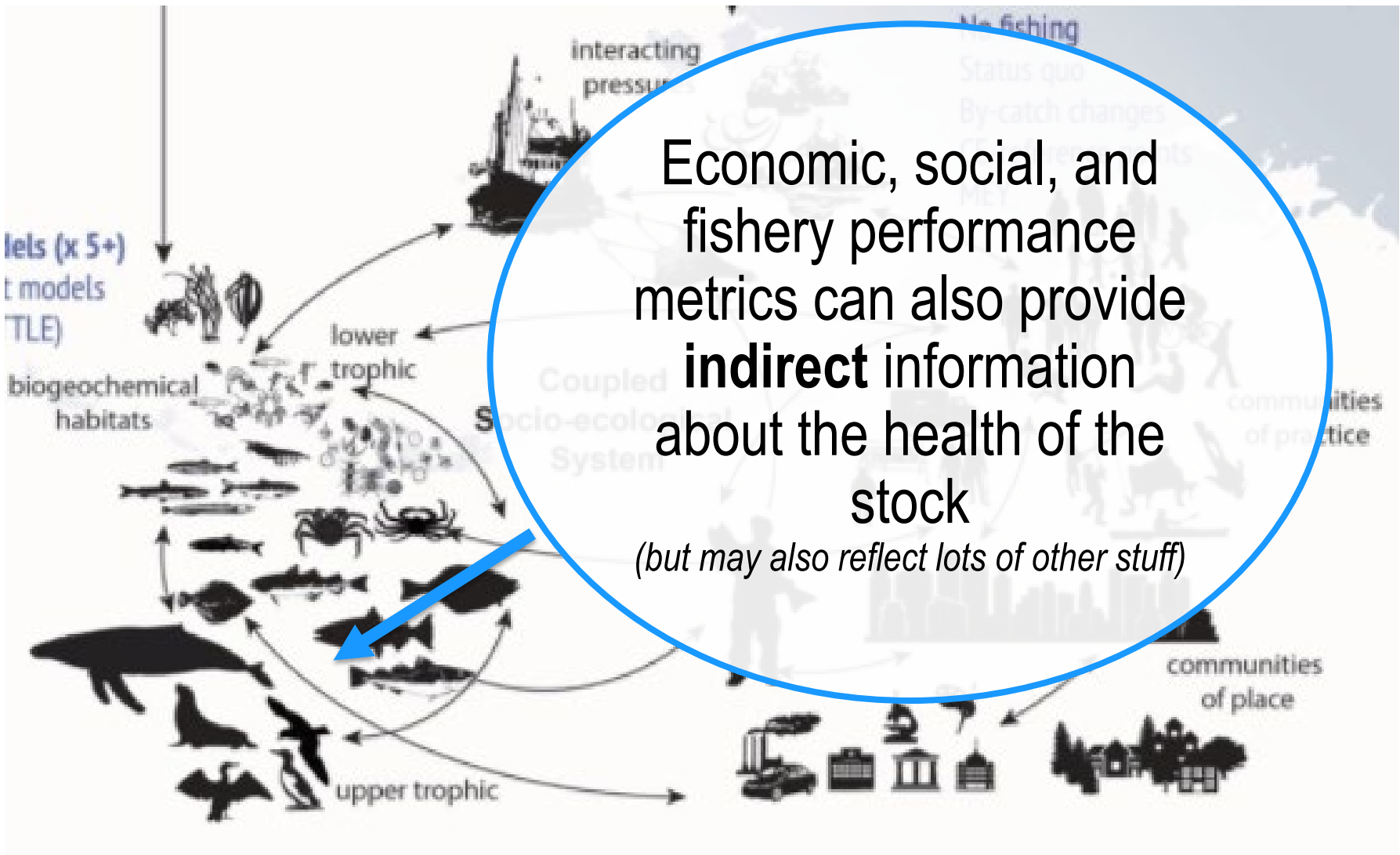
Fishing removals can have a **direct** impact on the health of the stock

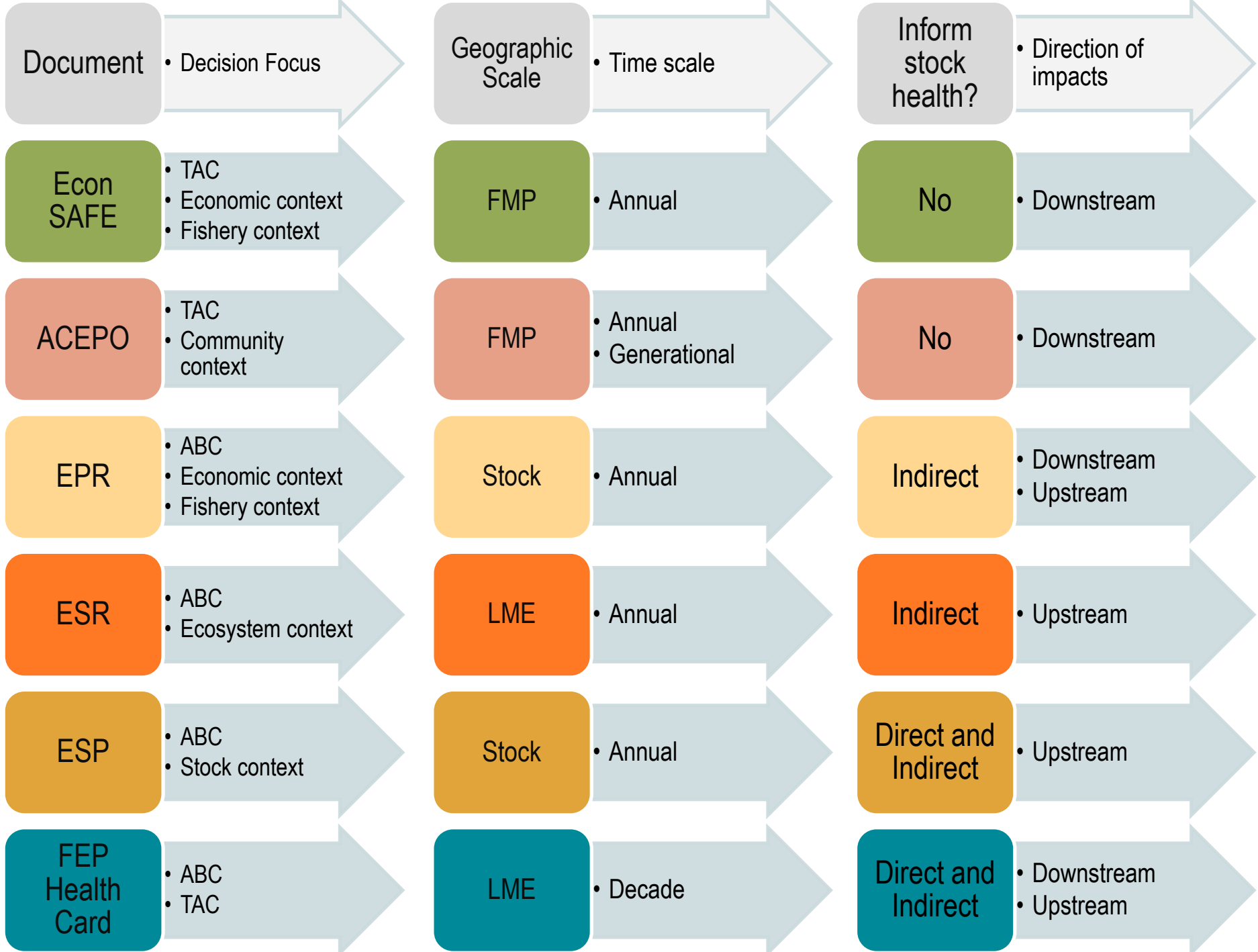


Conceptualizing the Coupled Socio-ecological System of the North Pacific



Conceptualizing the Coupled Socio-ecological System of the North Pacific







**NOAA
FISHERIES**

**Alaska
Fisheries
Science
Center**

Economic Status of the Groundfish Fisheries off Alaska, 2020

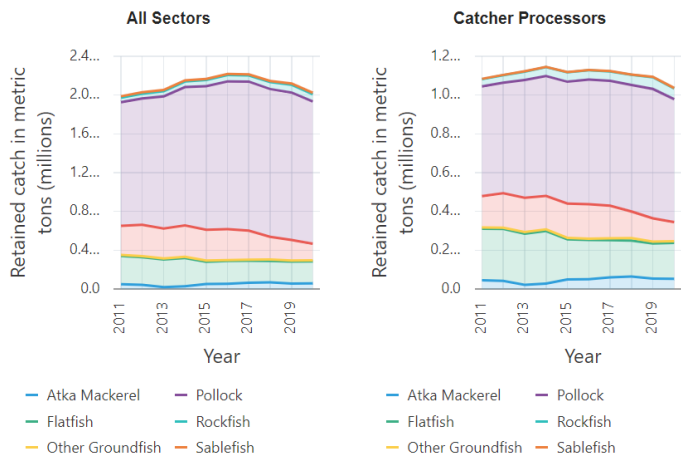
Presented by:

**Ben Fissel
AFSC Economics and Social
Sciences Research Program (ESSRP)**

Sept. 21, 2021

Where to find the data I need?

<https://reports.psmfc.org/akfin/f?p=501:2001>



- + Catch and discards
- + Ex-vessel value
- + Wholesale production and value
- + Effort
- + Fleets

Alaska's Groundfish Fisheries in 2021

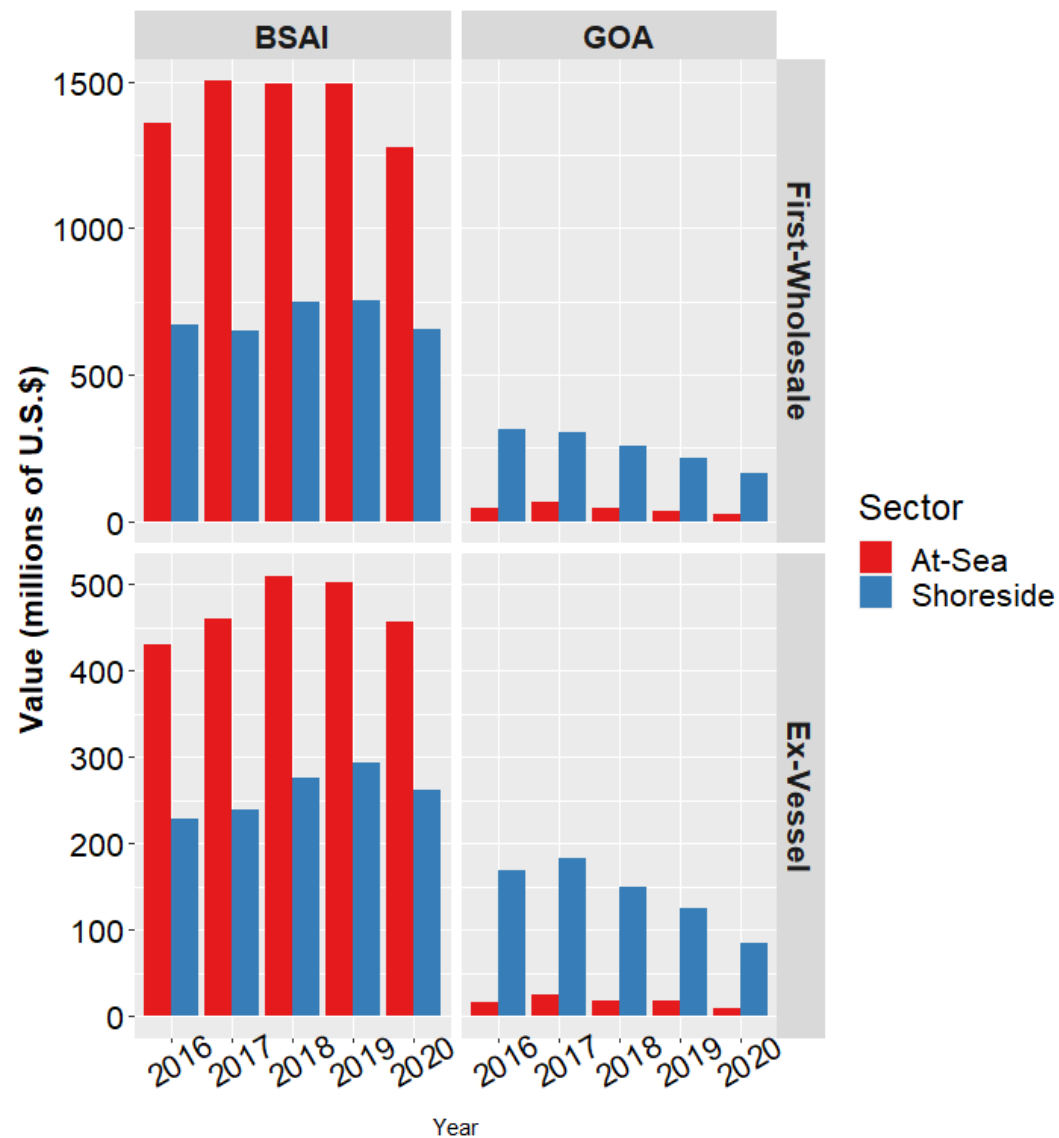
Total catch: 2.01 million t
(decreased 4%)

Aggregate ex-vessel value decreased in the BSAI and GOA.

Wholesale value:
\$2.12 billion (down 16%)

Ex-vessel value:
\$835.4 million (down 16%)

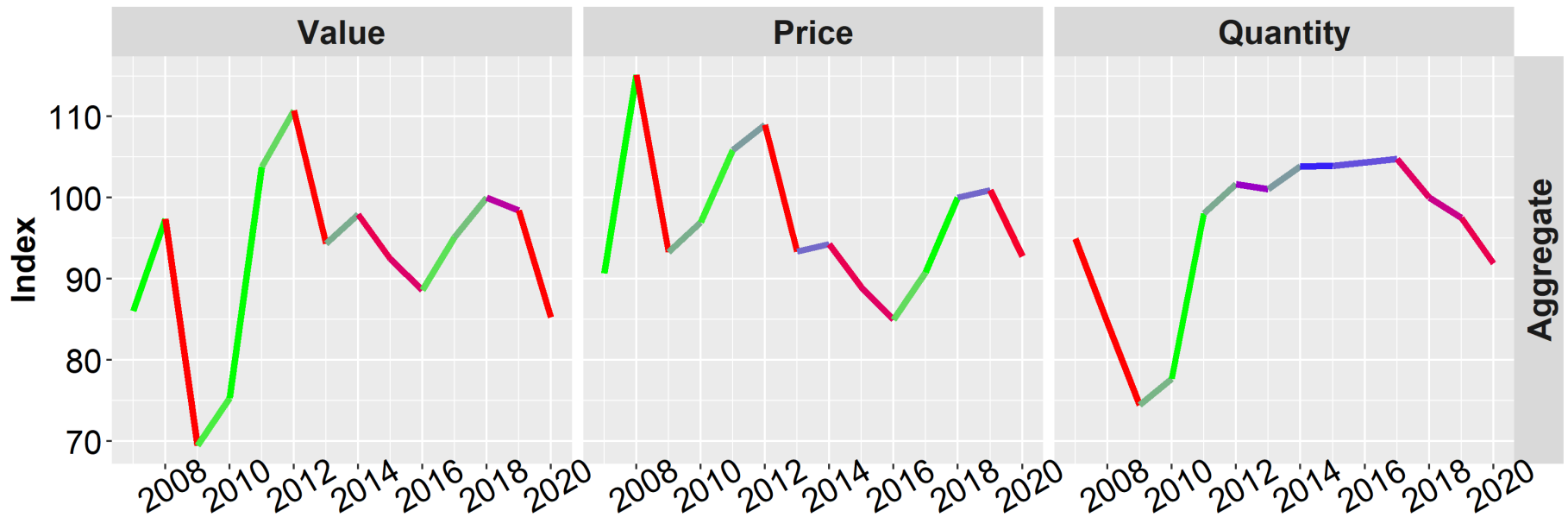
Percent change adjusted for inflation.



Values in figure nominal (not adjusted for inflation)

Alaska's Groundfish Fisheries in 2019

Alaska Ex-vessel Economic Indices



In the aggregate:

The decrease in value was driven by significant decreases in volume and price

Revenue impacts from COVID

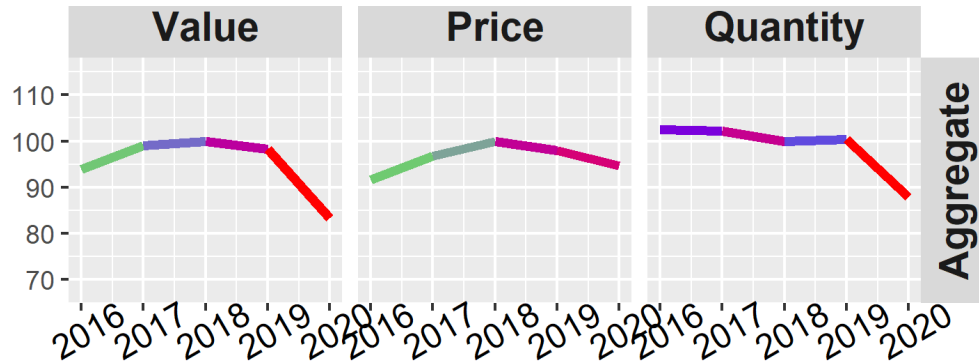
Revenue impacts from COVID-19 largely price related

- Notable decrease in prices for many of the products with significant exports to Asia.
- Ex-vessel prices down with pressure from low product prices and cost pressure from COVID mitigation.

Some impacts in 2020 were not COVID related.

- Reductions in catch generally the result of reductions in TAC
 - Catch/TAC within a typical range. Except for BSAI pollock where unharvested pollock result of dispersed stock, difficult fishing conditions, and small fish size.

BSAI First Wholesale Economic Indices Species Subindices



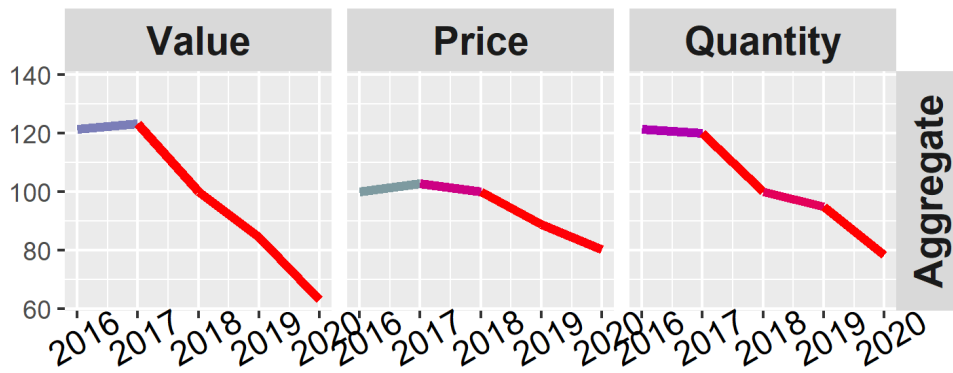
Species

- Value decreased:
 - Pollock
 - Pacific cod
 - Atka
 - Rockfish
 - Flatfish
- Value stable
 - Sablefish

Indices are nominal (not adjusted for inflation)

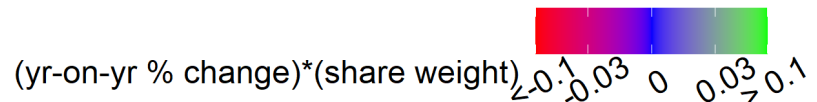
GOA First Wholesale Economic Indices

Species Subindices



Species

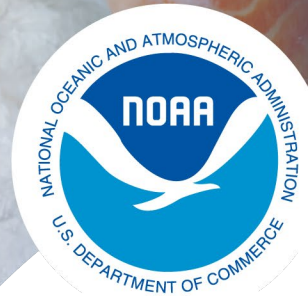
- Value decreases:
 - Pollock
 - Sablefish
 - Pacific cod
 - Rockfish
 - Flatfish



Indices are nominal (not adjusted for inflation)

Economic Status Report, 2020: Content of the Sept. Draft

- Executive Summary:
 - High level summary of economic data in 2020.
- Economic Data Tables
 - Breakdowns of AK, BSAI, and GOA ex-vessel and wholesale volume, value, and price by species, gear, and product.
- Economic Indices – figures and tables only
 - Summary indices of value, catch/production, and price by region, at-sea/shoreside, species, gear, product type.



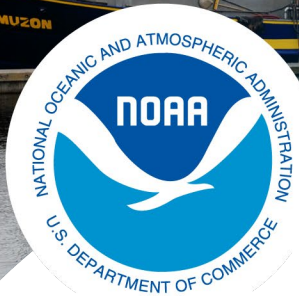
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Economic Status Report, 2019: Additional Final Draft Content (Nov.)

- Report Card Metrics
- Plan Team Reports
- Wholesale and ex-vessel price projections
- Market Profiles
- Amendment 80 Economic Data Report
- Gulf Trawl Economic Data Report
- Amendment 91 Economic Data Report
- Year-to-date catches and value estimates.



Economic Status Report, 2020



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The Economic Status Report serves many purposes.
Among them is to provide information to the Plan Team.

Economic data for 2020 are still being finalized and validated (typically price and value).

- We invite feedback -- Ben.Fissel@noaa.gov