

INTERNATIONAL PACIFIC



HALIBUT COMMISSION

Pacific halibut multiregional economic impact assessment

Agenda Item 12

IPHC-2020-IM096-14

INTERNATIONAL PACIFIC



HALIBUT COMMISSION

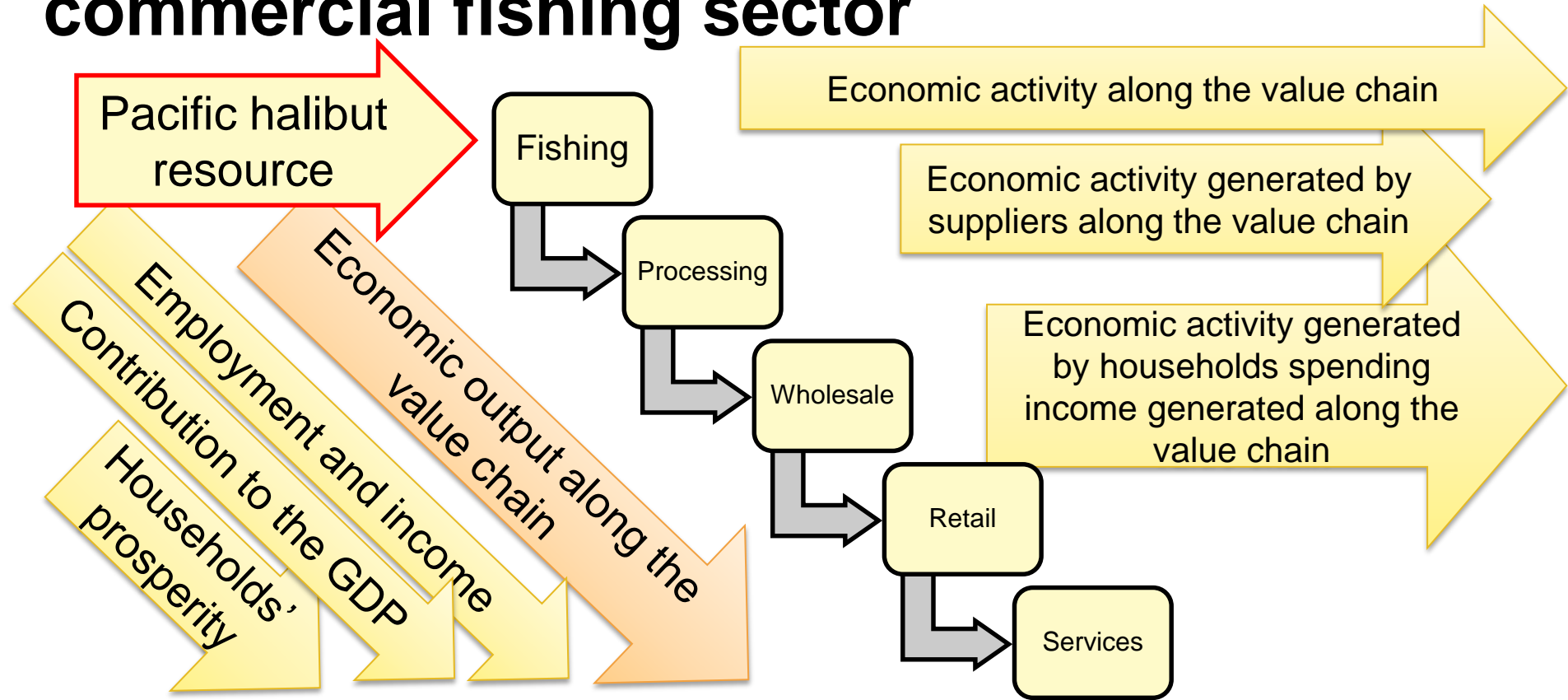
RESEARCH

Outline

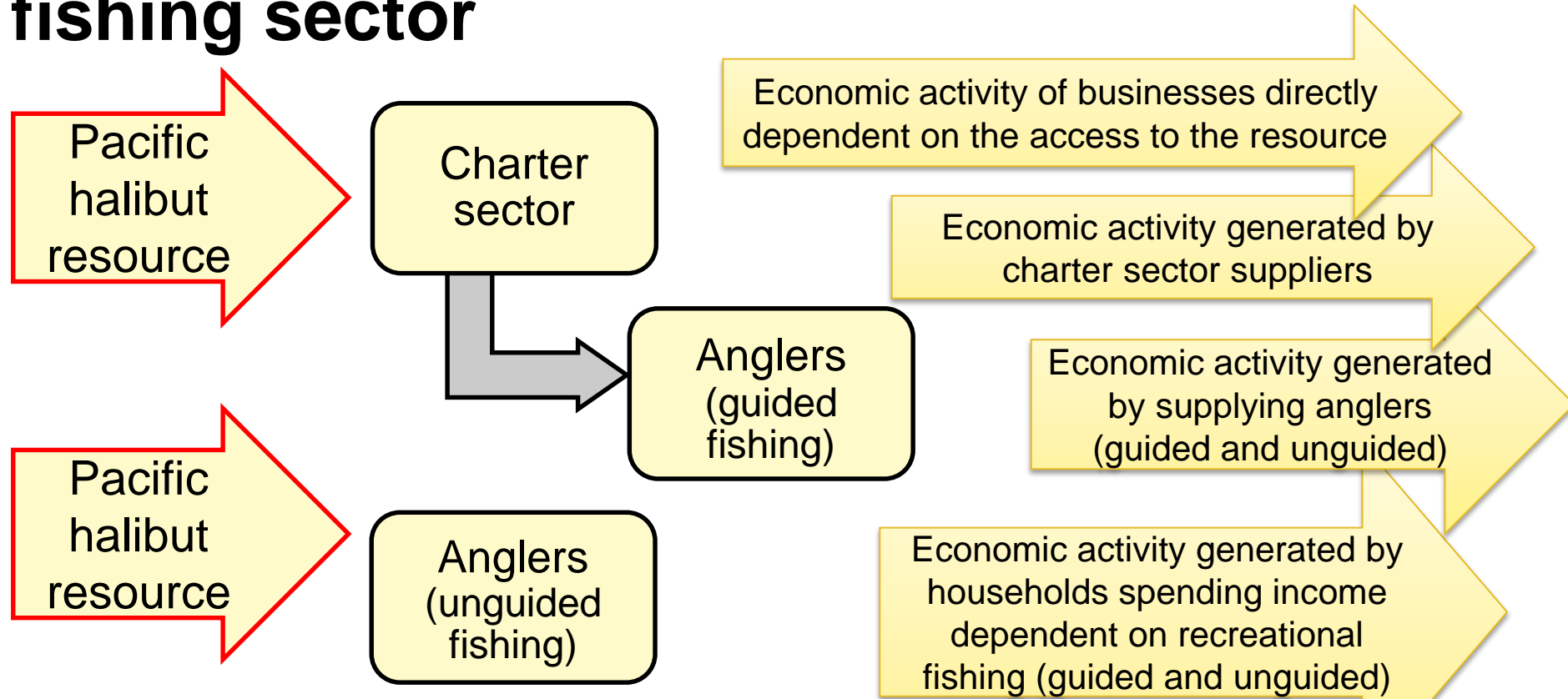
- Economic impacts
 - Commercial fishing
 - Recreational fishing
- Model setup
- IPHC data collection
- Preliminary results
- Conclusions



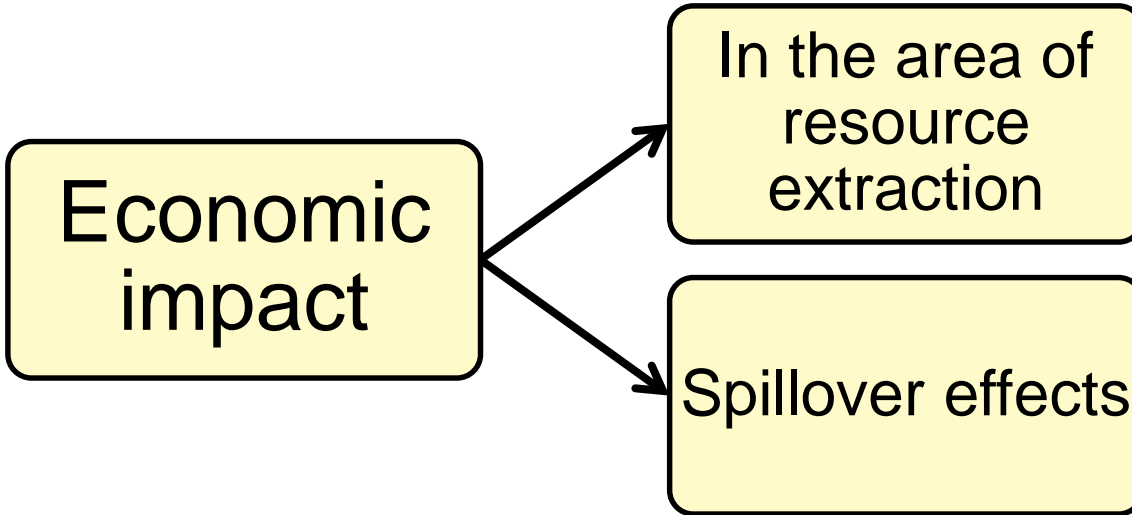
Economic impact of Pacific halibut commercial fishing sector



Economic impact of Pacific halibut sport fishing sector



Multiregional effects



➤ Monetary flows related to inputs to production

➤ Monetary flows related to final consumption

➤ Wages earned by residents vs. non-residents

➤ Profit from quota owned by residents vs. non-residents



Economic impact (EI) metrics

- **Direct EIs**
- **Indirect EIs**
- **Induced EIs**



Regions

- Alaska (AK)
- West Coast (WC –WA, OR and CA)
- British Columbia (BC)
- Rest of the US (RUS)
- Rest of Canada (ROC)
- Rest of the world (ROW)



Primary data collection

Secondary data use vs. collecting primary data

The surveys :

- [Commercial Vessel Expenditures Survey](#) (revised)
- [Processing Plant Expenditures Survey](#) (revised, simplified)
(for land-based processing plants)
- [Charter Sector Expenditures Survey](#) (new!)



Covid-19 impact on primary data collection

Benefits of filling for:

2019 – pre-COVID-19, baseline year, suitable to draw conclusions under normal circumstances

2020 – abnormal year, assessment of incurred losses and sectors' resilience

2021 – post-crisis, path to recovery



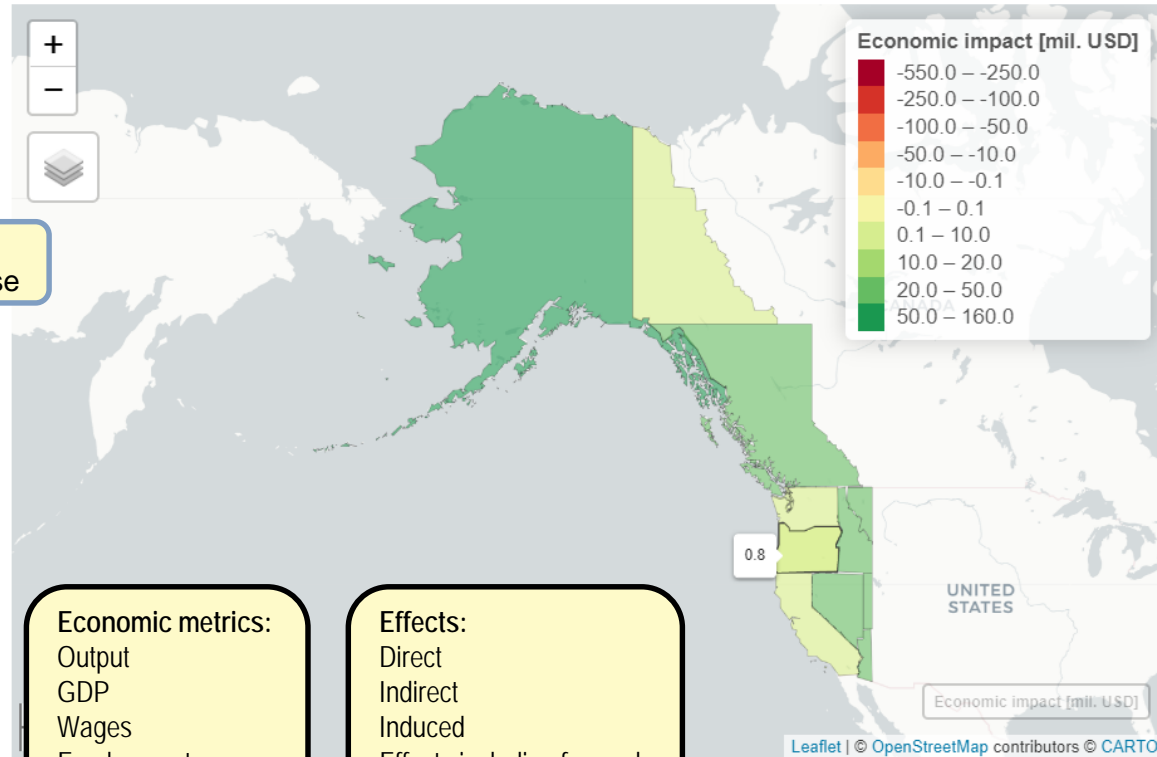
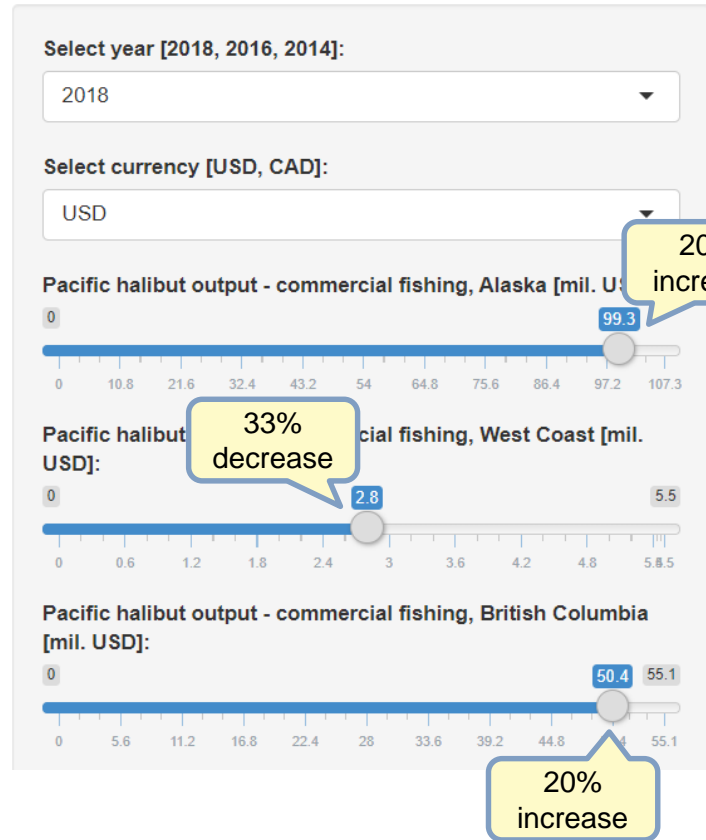
Preliminary results for commercial sector

Value of landings	USD 129 mil. / CAD 167 mil.
Economic impact - output	USD 610 mil. / CAD 790 mil
Economic impact – contribution to the GDP	USD 243 mil. / CAD 316 mil.
Economic impact – wages	USD 124 mil. / CAD 160 mil.
Economic impact - employment	4,169 jobs
Household income	USD 130 mil / CAD 168 mil.



Map of the economic impact of Pacific halibut resources

Preliminary results, more details in IPHC-2020-IM096-14



Economic metrics:
Output
GDP
Wages
Employment
Household income

Effects:
Direct
Indirect
Induced
Effects including forward-linked processing



Conclusions

- Comprehensive understanding of the impact of the Pacific halibut resource
- Accounts for transboundary flows of benefits

- The results suggest that the revenue generated by Pacific halibut at the harvest stage accounts for only a fraction of economic activity that would be forgone if the resource was not available to fishers

Way forward:

- Inclusion of the recreational sector
- Incorporation of IPHC-collected data (waiting for sufficient number of responses to the surveys)
- Increasing spatial resolution of the assessment (data-dependent)
- Impact of COVID-19 on the assessed values



Other activities

- Benefits of in-house economic expertise available
 - economist perspective on regulatory proposals
 - input to requested analysis (e.g. size limits analysis - IPHC-2020-IM096-09)
 - input to MSE work



Contact information

Questions or comments?

Barbara Hutniczak

Fisheries Economist

Fisheries Policy & Economics Branch

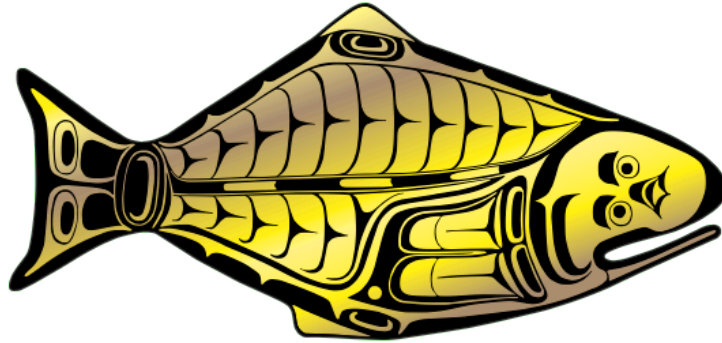
International Pacific Halibut Commission

Barbara.Hutniczak@iphc.int

206-634-1838 ext. 7693



INTERNATIONAL PACIFIC



HALIBUT COMMISSION

