

Annual Meeting Minutes

W4004: Marketing, Trade, and Management of Aquaculture and Fishery Resources

Date: February 28, 2022
Location: San Diego, CA & online

Meeting objective: To facilitate developing future collaborations through exchanging current projects, project ideas, and general networking among the members and participants (meeting agenda in the appendix).

Participants:

San Diego	Online
Anderson, James (University of Florida)	Diamond, Emily (University of RI)
Asche, Frank (University of Florida)	Humphries, Austin (University of RI)
Fitzsimmons, Kevin (University of Arizona)	Leong, Kirsten (NOAA-Hawaii)
Kumar, Ganesh (Mississippi State U)	Miller, Jessica (Oregon State University)
	Ropicki, Andrew (University of Florida)
	Scheld, Andrew (VIMS)
	Treviño-Peña, Melva (University of RI)
	Uchida, Hirotsugu (University of RI)
	Weir, Michael (Wood Hole OI)
Roheim, Cathy (University of Idaho/Advisor)	Green, Christopher (USDA)
	Sullivan, Timothy (USDA)

- The meeting was held in conjunction with Aquaculture 2022 meeting in San Diego, CA.

Summary

- This was the first meeting since W4004 was launched in Oct 2021, after two years of reworking on the project proposal as WDC4004 after the previous W3004 project expired. While some members are those continuing from W3004, many other members are those who joined the group from W4004. As such, this year's annual meeting was set to focus on member introductions, sharing ongoing and/or interested projects, and facilitate networking.
- The meeting was originally planned as in-person only at San Diego. However, due to the persistent high-risk of COVID, the number of requests to attend the meeting remotely from the members increased and it was decided to hold the meeting in a hybrid mode.
- The meeting proceeded according to the schedule described in the agenda (see appendix):
 - Opening remark
 - Updates from NIFA
 - Introductions and short presentations on research projects (details below)
 - Free discussions/networking¹

¹ Networking did not progress as planned due to unstable network connection in San Diego.

Ongoing/interested projects presented

Markets

- Facilitating the development of a marine baitfish aquaculture industry (Ropicki)
- Evaluating the production risks of US aquaculture for selected species (Asche, Anderson, Kumar)
- Empirical market analyses of various seafood-related sectors (Kumar)
 - Macro analysis using (freely available?) IMPLAN data.
 - Recreational and bait fisheries' response to COVID.
 - Market for ornamental fish.
- Financial feasibility for surf clam fishery under increasing development of wind farms (Asche, Anderson, Kumar).
 - Feasibility of ocean ranching.
- Analysis of COVID impacts on seafood/fishery/aquaculture sectors (especially now that data are more readily available) (Asche)
 - Nationwide comparative study on COVID adaptation such as production diversification (Leong)
- Internet seafood trading (Anderson)
 - E.g., Chinese community in Gainesville, FL.
- Market for invasive species (Scheld)
 - 'Electrofishing' for certain catfish species.
- Cultivating demand for unfamiliar/underutilized species (Uchida)
 - Market potential for species predicted to become more abundant in southern New England using the field experiment method with local restaurants.
 - Measuring the effect of marketing campaign for promoting local but unfamiliar seafood in Rhode Island.

Aquaculture

- Aquaponics and RAS (Fitzsimmons)
 - Commercial/large-scale application in Arizona.
 - Testing the use of insect-based fish meal.
 - Small-scale application in rural areas in Israel.

Tools/Technology

- Developing user-friendly tool for fishing quota valuation (Ropicki)

- For Gulf of Mexico red snapper IFQ program.
- Some products are scheduled to be released soon.
- Related: fishery finance program that can use the quota as collateral.
- Further development of Aquaculture Performance Indicators (Anderson)
- Community-based small-scale fisheries management in the Pacific Islands (Humphries)
 - Developing decision support tools and length-based fisheries assessment methods.

Social issues

- Coastal sense of place among recreational fishers and its influences on environmental attitudes and behaviors (Diamond, Treviño-Peña)
 - Preliminary data collected in summer 2021 (from 200 fishers).
 - Recreational fishers and their conservational behaviors.
 - A sense of coastal place-attachment among recreational fishers.
- Operation and management of indigenous fishponds in Hawaii (Leong)
- Social justice and informal seafood markets in Rhode Island (Treviño-Peña)

Other

- Effects of marine heatwaves and measuring impacts of multiple stressors on commercially important fisheries species (Miller)
 - E.g., Pacific salmon with focus on Columbia River.
 - Tracking fish migrations using otolith.
- Broader perspectives/analysis of tradeoffs associated with salmon declines, dams, hatcheries, etc. (Miller)
- Impacts of distant water fishing fleets on local food security (Humphries)
 - Focal countries: Peru, Madagascar, Philippines, and Pacific Islands Regional.
- Partnership with Living Marine Resource Cooperative Science Center (Miller)
 - Funded by NOAA Educational Partnership Program with Minority-Serving Institutions (EPP/MSI).
 - Led by University of Maryland Eastern Shore with seven partner institutions (OSU is one of them).
 - 10+ graduate students supported in the past 5+ years.

Appendix

Meeting Agenda

Date: February 28, 2022
Location: California Room 3
Town and Country Resort
500 Hotel Circle N, San Diego, CA
https://app.gather.town/invite?token=ZmJWQiSc32cC9l8GinTfTzfv_v2LkWzt

Meeting objective

To facilitate developing future collaborations through exchanging current projects, project ideas, and general networking among the members and participants.

Meeting schedule

San Diego	East Coast	Hawaii	
9:00 AM	12 noon	7:00 AM	Member introduction (name, affiliation, research interest areas)
9:10 AM	12:10 PM	7:10 AM	Program updates from NIFA (Tim / Chris) (c.f., reference document)
9:30 AM	12:30 PM	7:30 AM	Presentations (c.f., shared Google Sheet) <ul style="list-style-type: none">- Sharing ongoing projects- Collaboration ideas- Sharing funding opportunities for possible collaboration
10:30 AM	1:30 PM	8:30 AM	Break (15 min)
10:45 AM	1:45 PM	8:45 AM	Presentations (continued) Free discussions and networking Breakout in groups
12 Noon	3:00 PM	10:00 AM	Lunch break (for SD folks)
12:45 PM	3:45 PM	10:45 AM	Free discussions and networking (continued)
1:30 PM	4:30 PM	11:30 AM	Wrap up / Next steps
2:00 PM	5:00 PM	12 noon	Adjourn