

What is the Seaweed Hub?

- A science based, non-advocacy resource for the domestic seaweed aquaculture industry
- A collaborative framework to share information, identify needs, address challenges, and find opportunities in the emerging seaweed industry
- 3 year project funded in 2019 by the National Sea Grant Program's Strategic Aquaculture Initiative

Who is involved in the Seaweed Hub?



Sea Grant Extension

East Coast: Maine, New Hampshire, Massachusetts, Rhode Island, Connecticut, New York

West Coast: Alaska, Washington, Oregon, California



Steering Committee

National Sea Grant Office, State Sea Grant Programs, NOAA Fisheries, FDA Seafood Processing & Technology Policy Branch, USDA ARS National Program for Aquaculture, University of CT Extension



Diverse Stakeholders

Seaweed farmers, processors, businesses, researchers, culinary professionals, regulatory authorities, etc.

How will the Seaweed Hub work with Stakeholders?



SURVEY

- Formal needs assessment survey to inform the Seaweed Hub process
- Open January March 2020
- 259 respondents
- Preliminary results available on the Seaweed Hub website



SYMPOSIUM

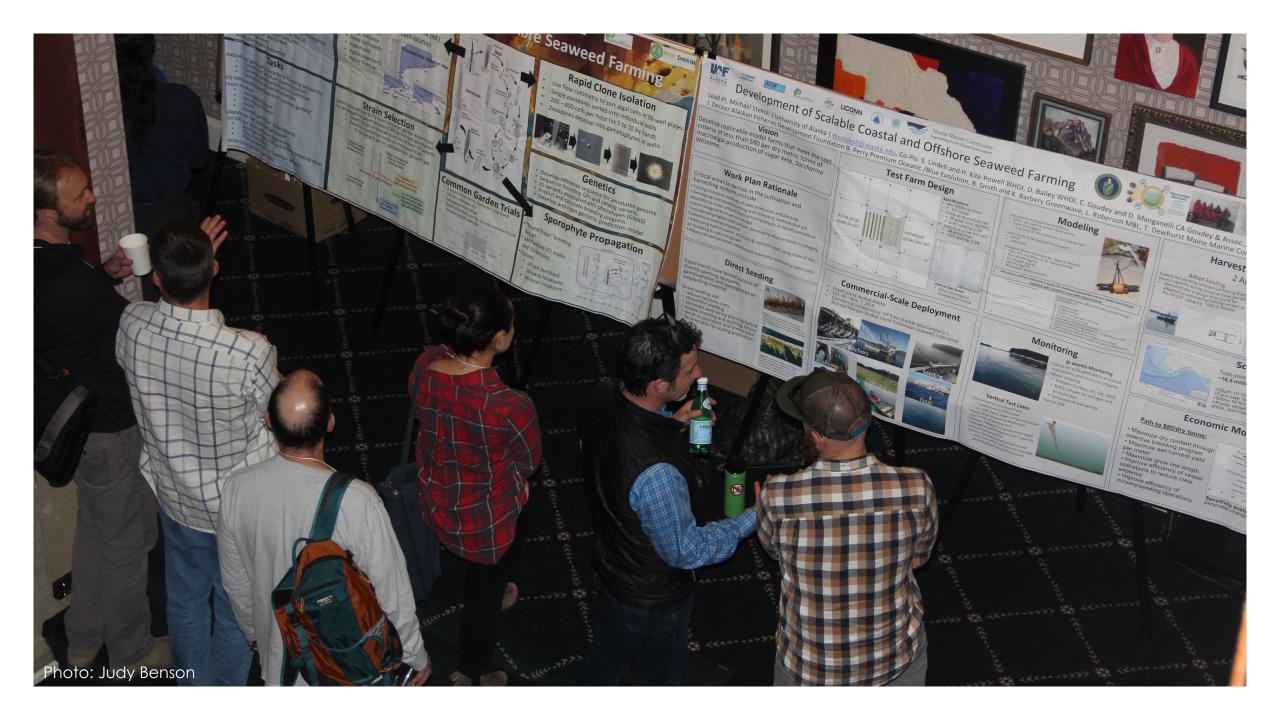
- Held in Providence, RI in early March 2020
- 120 stakeholders including farmers, processors, researchers, state/federal agencies, etc.
- Presentations about the status of seaweed aquaculture in the US and sharing opportunities for stakeholders

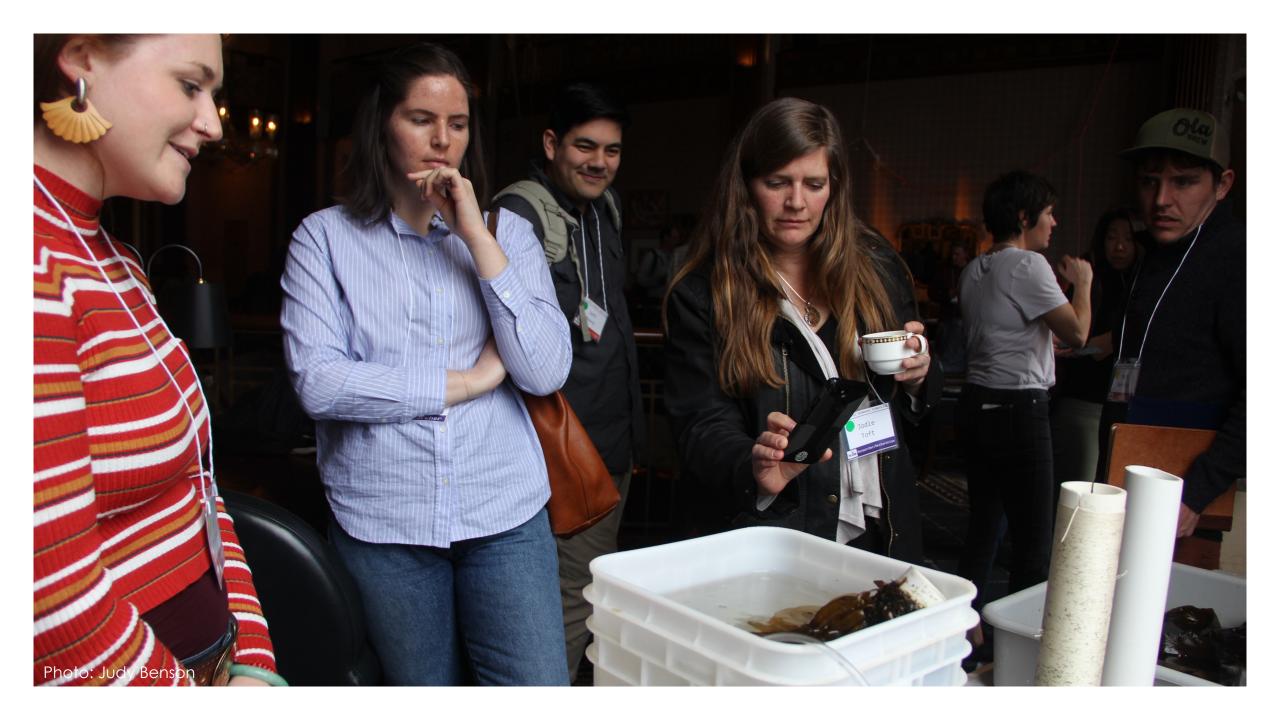


WORK GROUPS

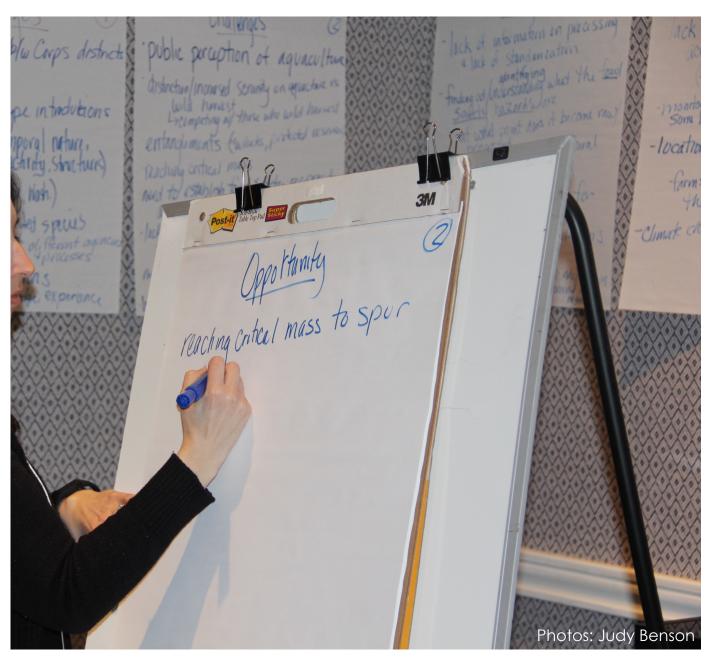
- 4 work groups: Market Opportunities, Regulations, Post-Harvest Opportunities, and Production Systems
- Work groups will host virtual meetings in Years 2-3 of the project
- Funding is available to the work groups

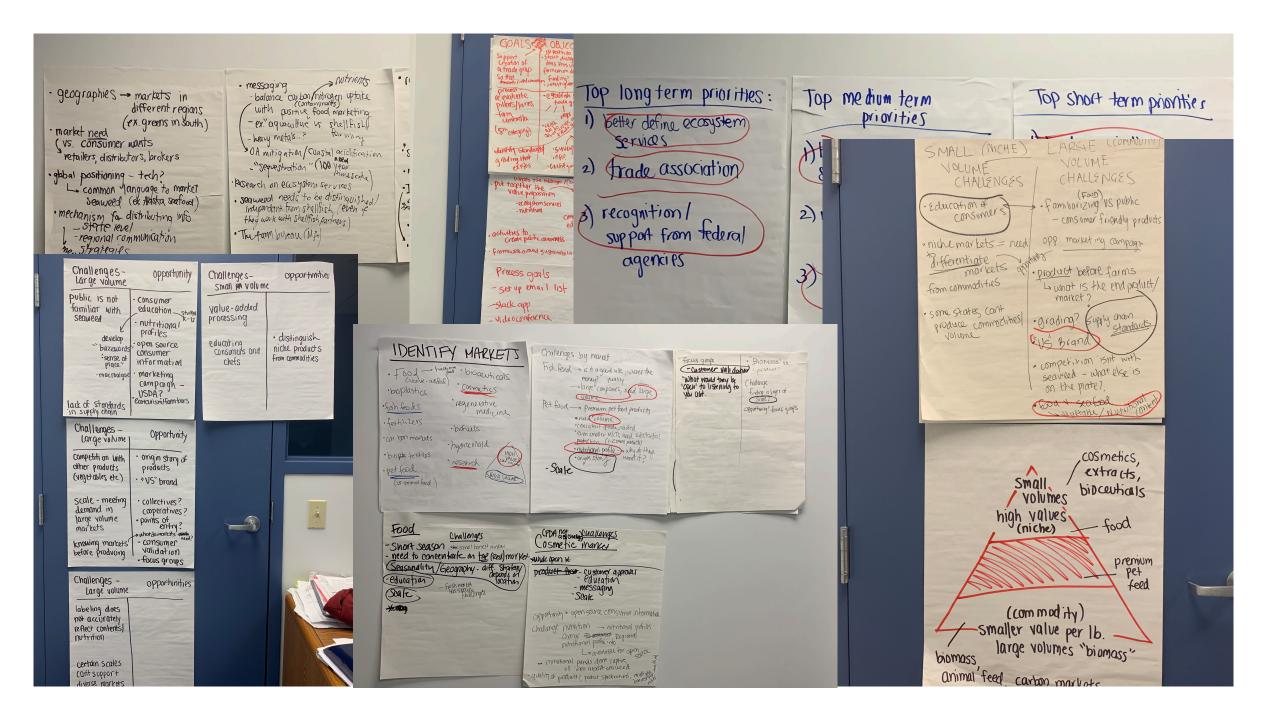












Work Groups: Next Steps

Virtual Meetings

Work groups will meet virtually for years 2-3

Connect and Collaborate

Continue to identify opportunities and be responsive to emerging challenges (ex. Covid-19)

Develop a Work Plan

Identify priorities and actionable steps – develop a work plan that outlines this process

Applied Project Funds

Access to Applied Project Funds to fund projects that meet the goals of the Seaweed Hub

What are Applied Project Funds?

- Applied project funds are non-competitive funds meant to assist Work Groups in implementing their work plan
- \$10,000 available to each work group
- Applied projects must meet the goals and priorities of the Seaweed Hub
- Small-scale/pilot projects that can be completed in a short timeframe (2 years)

Applied Project Funds Process

Work groups collaboratively develop a project idea (or ideas) and a plan of work 2

Work groups submit the plan of work to the Seaweed Hub Steering Committee for approval 3

Applied project funds are made available to the work group through the UConn (Seaweed Hub PI) 4

Applied project funds used to fund work group project in years 2-3

Market Opportunities Work Group: Symposium Recap

- Day 1 Objective: Generate Ideas Identify "Big Picture"
 Challenges and Opportunities
- Discussion:
 - What markets currently exist?
 - Relation of scale and volume to market opportunities
 - "Niche markets" and "commodity markets"

	Challenges	Opportunities
Small Volume "Niche Markets"	Tapping into new markets	 Consumer education Distinguish "niche" Diversify into multiple product lines
	Access to infrastructure/processing	 Partner with other local products for distribution Co-op/collective opportunities for processing
	Consumer interest may be short-term	Develop value-added products that are already familiar to consumers

	Challenges	Opportunities
	Need to know/understand markets before producing at scale	Consumer validation, focus groups – life cycle analysis
	Mismatch between "large scale" seaweed operations and "small commodity" markets	 Identify points of entry so multiple growers can access Co-ops to meet demand Scale operations to meet supply needs
	No supply chain standards/grading exist – large buyers need consistency/quality	Develop protocols for handling, establish quality grade(s) in the marketplace

Large Volume "Commodity Markets"

	Challenges	Opportunities
	Public is not familiar with seaweed	 Consumer education Develop consumer friendly products Marketing campaign like other food products
Shared Challenges	Competition with other products (ex. specialty vegetables, imported seaweed, etc.)	 Unified messaging to distinguish US seaweed in the market Use nutritional profiles to form the basis of product stories
	Seaweed contents/nutrition are not accurately reflected in labeling – nutritional profiles are costly	 Open source consumer information/database – nutritional profiles that are regional, seasonal, etc.

	Challenges	Opportunities
Shared	Seasonal production	 Value added processing or storage Diversify species to extend season Multiple harvests Markets that extend season (ex. carbon markets)
Challenges	Different markets for different species	 Identify end user preferences and target production of desired species

Market Opportunities Work Group: Symposium Recap

- Day 2 Objective: Narrow Ideas identify priorities and timeframes
- Discussion:
 - Messaging and market needs
 - Restoration and ecosystem services
 - Trade group
 - Consumer education

Identified Work Group Priorities

Short Term (0-1 Years)

Medium Term (1-3 Years)

Long Term (3+ Years)

- Trade Association
- Standards and Grading
- Regional Outreach Strategies

- Marketing Ecosystem Services
- Regional Outreach Strategies
- Trade Association

- Marketing Ecosystem
 Services
- Trade Association
- Recognition/support from federal agencies

Next Steps:

Today

- Introductions and re-introductions
- How do you define market opportunities/development?
- How does this group want to work together?

Next Meeting

- Do these priorities still make sense? Do we need to change or modify?
- Identify actionable items and begin to develop a work plan

"Market Opportunities" "Market Development"