Summary

Started tackling work group Objective #1: “compiling a list of seaweed nurseries”. Participants asked to consider scale, scope, audience and information needs. Key findings:

- **Scale**: all facilities regardless of size or setup, including commercial, research, and educational nurseries
- **Audience(s)**: farmers, researchers, regulators, training programs, restoration community
- **Include**: facility contact info; type of facility (i.e. commercial, research, etc.); species; availability (volume & season); production methods; source of sori/strains and potential use restrictions/regulations; price?

Agenda

- Review meeting #3 outcomes
- Meeting #4 objectives
- Miro orientation
- Question #1: project scope & scale
- Question #2: target audience(s) & information needs
- Member survey: objectives for June meeting
- Round-the-room updates
- Adjourn

Participants

Meg Chadsey, Washington Sea Grant (WA)
Josh Reitsma, Woods Hole Sea Grant (MA)
Gregg Shiosaki, Culinary Instructor (ret.); Puget Sound Food Hub (WA)
John Lovett, Grower (MA)
Holly Turner-Moore, Grower/Educator, Bridgeport Regional Aquaculture High School (CT)
Bruce Brenner, Prospective Grower; Shellfish Farmer (WA)
Bailey Moritz, World Wildlife Fund (WA/ME)
Aaron Milstein, TroutLodge Inc. (WA)
Kendall Barbery, Greenwave (CT)
Diane Boratyn, Grower (tank culture) (WA)
Anoushka Concepcion, Connecticut Sea Grant (CT)
Meeting Notes

Previous Meeting Outcomes:

Participants selected ‘Improve Seed Supply’ as their top priority going forward. Specific objectives to be pursued are: 1) compiling a list of nursery facilities for growers; and 2) increasing nursery capacity.

Meeting #4 Objectives

Focus on “compiling a list of nursery facilities”. What should this look like? Who will use it? What information do they need? Collectively tackle these questions; use Miro board to capture ideas.

Miro orientation:

From this point forward, we’ll be using Miro boards for collaborative work during meetings. Josh provided an overview of basic Miro skills: navigating the board, using sticky notes, turning cursors on/off, etc. (reviewed in this short video).

Question #1: Scale & Scope:

Scale: What types of facilities should be included on our list (considerations: size, commercial/private/research, etc.)?  Scope: What kinds of information should be included on our list? How should it be grouped?

Work group member responses:

- Scale: any facility with the capacity to produce more than they need. Scope: species, production schedule; volume.
- Scale: commercial and/or research. Scope: region; species of seaweed and kelp; incubation methods; potential facility hydro systems.
- Scale: both public and private nurseries; include all areas in a body of water, since seaweed varies in type and area grown. See who wants to be involved.
- Scale: include all facilities to include. Scope: seaweed strain; origin (location); distribution (location); typical results (size, color, etc); processing characteristics (e.g., great as a food source, best for dried application); packaging details; storage (shelf life); availability (time of year); pricing
- Scale: any location that produces seed. Scope: facility type (private/research/comm); price; distance they supply to (some places will take custom sorus and grow it, others only have capacity to supply their region, which may also be influenced by regulations); species of seaweed(s); date by which they need to receive orders (if they are a place that takes orders)
- Scope: list of seedstock producers; availability; market suitability; type of seaweed and appropriateness for a given region, as well as limits on transplantation (i.e. transport across state lines?)
- Scale: facilities of all sizes should be considered; include educational, commercial, retail and research facilities.

**Group Discussion/Summary:**

- Scale: all facilities regardless of size or setup should be included
- Scope:
  - Type of facility (i.e. commercial, research, etc.); contact info, species, availability, location or source, incubation/start method
  - Price? (may be sensitive info). Survey nursery managers about cost, if for-profit (ie. below cost).

**Question #2 Target audience and information needs**

Who will use this list, and what kind of information might they need?

**Work group member responses:**

- Audience: Current and potential growers. Need to know: price; timeline for ordering and receiving; contact info; regional restrictions; yield range
- Audience: Researchers so they could see places to partner or collaborate with on studies. Need to know: size; species; method/gear used to grow; contact info
- Audience: K-12 schools who want to do a project using kelp seed
- Audience: (not specified). Need to know: What types of seaweed are being provided and at what stage. Does the facility offer seed string? Product for sale? How has that product been processed?
- Audience: Farmers. Need to know: species; incubation period; volume; pricing; start method
- Audience: Novel culture researcher. Need to know: Same as for farmers.
- Audience: Restoration organizations
- Audiences: Farmers. Permitting/regulation authorities. Researchers

**Group Discussion/Summary:**

- Audiences: Farmers, researchers, regulators, schools, restoration groups
- Information needs:
  - Potential restrictions
  - Processing of product or what it is suitable for
  - Volume
  - Permitting/Regulatory authorities
- What might our Nursery List look like?
  - Interactive regional map
  - Host on Seaweed Hub website
Survey: Objectives for Meeting #5

Continue developing Nursery List or repeat process with “increasing nursery capacity”? Voted unanimously to continue working on Nursery List.

Round the Room

- Kendall: GreenWave will be hosting a free four-part workshop series in June 2021 covering the process of kelp hatchery setup, seed string production, etc. Participation capped at 30 people. Target audience includes technicians/operators at shellfish hatcheries; farmers interested in producing seed; or other candidates considering starting a kelp hatchery facility. Will include participants from east and west coast and Alaska. Email kendall@greenwave.org if interested, or know of a person or organization who might benefit. Also, Greenwave has launched their beta Farm Planner Tool; email Kendall to sign up to beta test.
- Anoushka provided update on other work group activities (see meeting summaries on Seaweed Hub Work Group page)