



# INTERNATIONAL SEAWEED SYMPOSIUM 2025

## P R O G R A M   B O O K L E T



MAY 4 – 9, 2025 | VICTORIA, BRITISH COLUMBIA, CANADA





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# WELCOME FROM THE INTERNATIONAL SEAWEED ASSOCIATION



Dear Members of the Worldwide Seaweed Community,

It is with genuine excitement and warmth that I invite you to the 25th International Seaweed Symposium (ISS), taking place from May 4-9, 2025, in Victoria, British Columbia, Canada. This special edition celebrates the 25th ISS anniversary, and for this remarkable milestone, we are preparing unforgettable surprises that will be revealed as the date approaches!

The 1st ISS took place in 1952 in Edinburgh, Scotland. It was the first global gathering of scientists and industry professionals focused on seaweed research, production, and applications. Since then, the ISS has grown into a major recurring event, bringing together stakeholders from around the world to advance the field of seaweed science and industry.

But the ISS is more than just a meeting of minds—it is a reunion of friends and colleagues, and an opportunity to meet new faces who share our passion for seaweed. We will explore the latest scientific advancements and business developments globally, while also creating space for long-lasting moments of connection, laughter, and shared experiences.

A special thank you to our National Organizing Committee for their tireless work in ensuring that ISS25 is an outstanding event for all. Their efforts have helped craft an extraordinary program, filled with keynote sessions, panels, interactive workshops, and vibrant social events that will ensure this symposium is both professionally enriching and personally memorable.

The International Seaweed Association (ISA) has proudly hosted the ISS for decades, uniting scientists, industry professionals, and enthusiasts to drive innovation and consistent growth in the seaweed sector. I encourage you to visit [www.isaseaweed.org](http://www.isaseaweed.org) for the latest from our global network.

I can't wait to meet each of you in Victoria, where we will come together to celebrate our community's remarkable journey over the past 73 years. Let's create new memories, share ideas, and keep driving the future of the seaweed industry forward—together!

Warm regards,

**Helena Abreu**

*President, International Seaweed Association Council (2023-2025)*







## INTERNATIONAL SEAWEED ASSOCIATION COUNCIL MEMBERS

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MAY 6-8, 2026

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**Helena Abreu** (President)

**Leila Hayashi**

(Vice-President, next President elected)

**Susan Løvstad Holdt** (Secretary-  
General)

**Ira “Ike” Levine** (Treasurer)

**Loretta Robertson** (Co-Treasurer)

**Michael Borowitska** (Editor in Chief)

**Arif Mazrui**

**Jaime Zamorano**

**Jeong Ha Kim**

**Norishige Yotsukura**



# WELCOME FROM THE NATIONAL ORGANIZING COMMITTEE



Dear guests of the 25th International Seaweed Symposium,

On behalf of the planning committee, it is our pleasure as co-chairs to welcome you to the 25th International Seaweed Symposium in the beautiful city of Victoria, British Columbia, Canada. We are honoured to gather on the traditional territories of the Ləkʷəŋən (Songhees), Xwsepsum (Esquimalt), and W̱SÁNEĆ Nations (Saanich Peninsula)—a region rich in natural beauty and home to over 400 known seaweed species.

We have worked diligently to build a dynamic and inclusive program that highlights the finest advancements in our field from around the globe. This year's agenda is rich in opportunities to learn and connect, including poster sessions, workshops, and discussions designed to engage industry professionals, managers, academics, students, and Indigenous Peoples alike.

We hope your time in Victoria will be both intellectually enriching and personally enjoyable, including meeting old friends and making new friends and colleagues. As a centrepiece of our celebration, we will mark the silver anniversary of the International Seaweed Symposium () with a festive evening featuring food, wine, music, dance, and the vibrant community that makes this symposium so special. Additionally, we are excited to share a cultural presentation that promises to leave a lasting impression.

We thank the International Seaweed Association, whose unwavering support makes this symposium possible. A special thanks to our sponsors and exhibitors, whose contributions bring this event to life, and, most importantly, to all of you—the participants. Your enthusiasm, expertise, and engagement are what will make ISS25 an extraordinary experience.

Here's to a memorable week of discovery, collaboration, and celebration. Welcome to ISS25!

Warm regards,

**Dr. Maycira Costa**

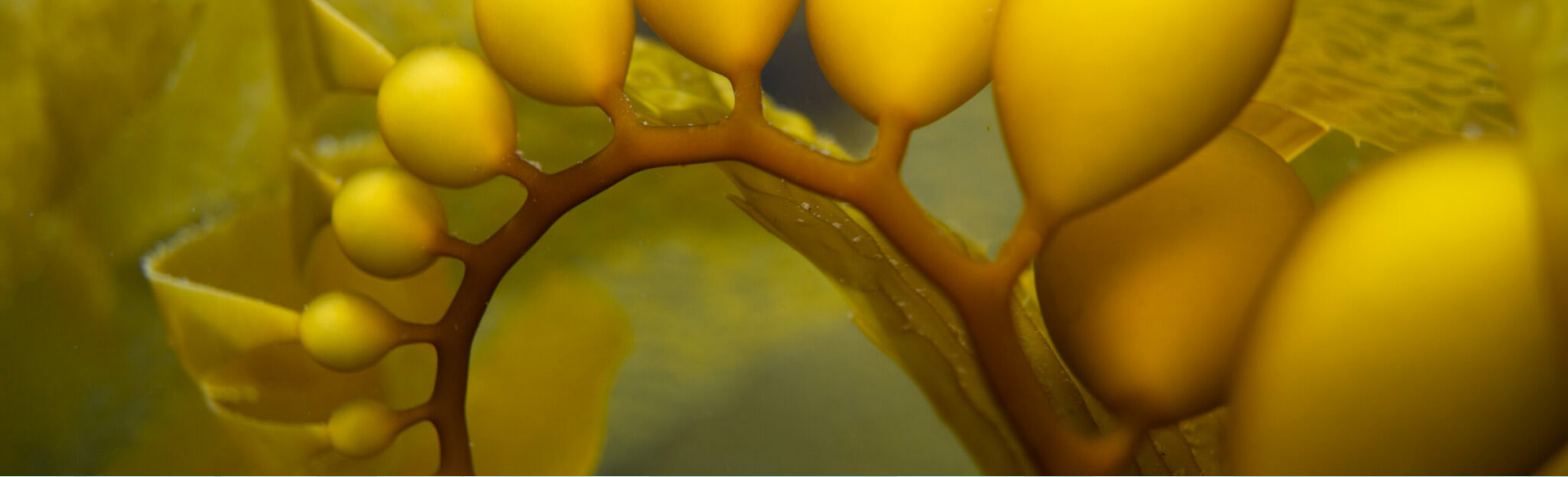
**Dr. Patrick Martone**

**Dr. Laura Wegener Parfrey**

*Co-Chairs, International Seaweed Symposium 2025*







## NATIONAL ORGANIZING COMMITTEE MEMBERS

**Dr. Maycira Costa** (Co-Chair)

**Dr. Patrick Martone** (Co-Chair)

**Dr. Laura Wagener Parfrey** (Co-Chair)

**Erin Bremner-Mitchell** (Secretary; Chair - Marketing Committee; Chair - Social Committee)

**Jennifer Clark** (Chair - Scientific Program Committee)

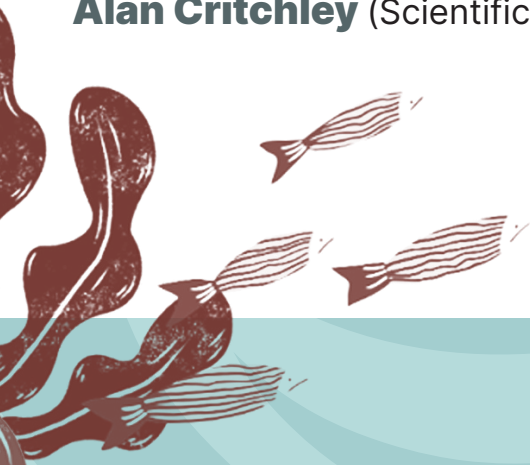
**Kylee Pawluk** (Chair - Indigenous Advisory Committee)

**Soroush Kouhi** (Ocean Networks Canada Representative)

**Catriona Hurd** (Past Chair and ISAC Representative)

**Stephen O'Leary** (Scientific Program Committee)

**Alan Critchley** (Scientific Program Committee)





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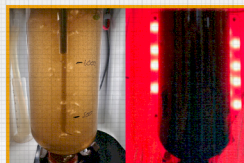
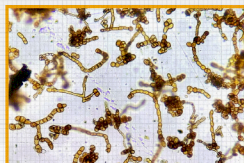
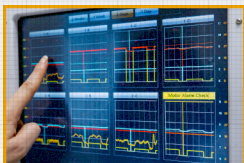
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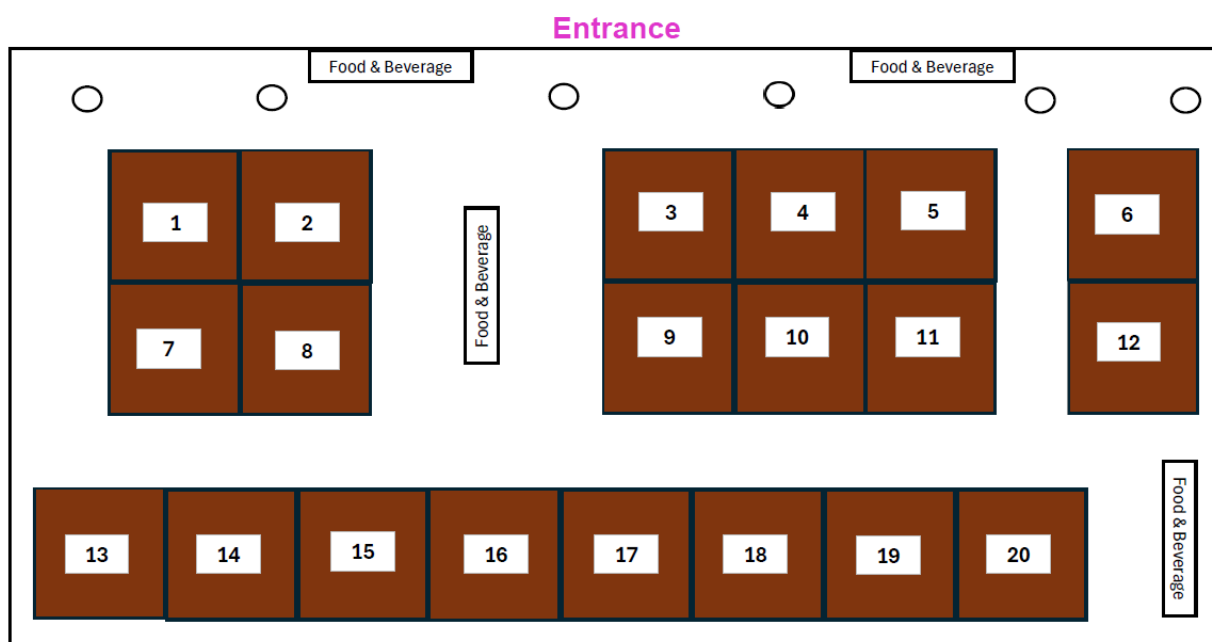
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# EXHIBIT BOOTH ALLOCATIONS



Booth No.	Organization
1	Bee Sea Kelp
2	Cascadia Seaweed
3	C-WEED Mwani
4	C-WEED Mwani
5	Oceans Network Canada
6	AML Oceanographic
7	Government of BC
8	Zanque Aqua Farms
9	Industrial Plankton
10	National Research Canada

Booth No.	Organization
11	ISA
12	The Phycological Society of America
13	Pacific Seaweed Industry
14	ASL Environmental Sciences
15	Southeast Conference
16	North Island College
17	Seaflora Skincare
18	The Pew Charitable Trust
19	West Coast Kelp
20	Canadian Pacifico Seaweeds

# PLENARY SPEAKERS



## LOUIS D. DRUEHL

Louis D. Druehl, Professor Emeritus, Simon Fraser University, has taught and conducted kelp-oriented research, since the 1960s. He led the 5-university committee that identified the site for the

Bamfield Marine Station. From 1979 to 1984, he directed BC Provincial-funded research leading to the first commercial kelp farm outside of Asia. Since 1985 his SFU students and their students have pioneered DNA-molecular tools in understanding seaweed relationships. His Canadian Kelp Resources, Ltd. conducted kelp productivity studies for GE during the OPEC Crises, offers kelp farming workshop, and works with others on kelp restoration. Over the years, he has worked with Cubans, Russians, Americans, Brazilians on seaweed issues, and offered a UN-sponsored kelp biology course in Chile. Pacific Seaweeds produced with Bridgette Clarkson is a best-seller and award winner. He enjoys the naming of a diatom genus, *Druehlago*, a kelp species, *Saccharina druehlii*, and for a short time a kelp genus, *Druehlia fistulosa*. Presently, he and his wife Rae Hopkins reside in Bamfield where they continue marketing CKR kelp and servicing kelp-interested folks. Hobby-wise Louis is working on his fourth novel, enjoying Phyco-Buddies, and fighting off the ravages of old age.



## DR. CAROLINA CAMUS

Dr. Carolina Camus is an Associate Researcher at the Centro i~mar & Center for Biotechnology and Bioengineering (CeBiB) at the Universidad de Los Lagos, and the Director of the Millennium

Nucleus in Marine Agronomy of Seaweed Holobionts (MASH). Carolina is an ecologist and phycologist dedicated to sustainable seaweed production from ecological and agronomic perspectives. Her research is primarily centered around the sustainable aquaculture of macroalgae, using two species of economic and ecological importance as study models (*Gracilaria chilensis* and *Macrocystis pyrifera*). She delves into understanding the drivers of macroalgae productivity, managing their complex life cycles, and, recently, incorporating their interactions with associated microbial communities under the concept of the holobiont.

Her career spans academia, the private sector, and communities, allowing her to bridge the gap between knowledge generation and practical application for productive, social, and environmental benefits. This includes her participation in biotechnological projects demonstrating the feasibility of fermenting and producing biofuels from seaweed biomass, pilot projects transferring seaweed cultivation technology to artisanal fishermen, and current evaluations of the ecosystem services provided by cultivating giant kelp.



# PLENARY SPEAKERS



## DR. SYLVAIN FAUGERON

Sylvain Faugeron is a seaweed evolutionary ecologist, interested in deciphering the processes that drive the dynamics of marine biodiversity along the coast, in particular, the emergence and limits of

adaptations to the environmental heterogeneity. He combines population genetics with environmental modelling, experimental ecology and physiology. One particularly motivating study model is the incipient domestication observed in farmed seaweeds, not only to decipher the eco-evolutionary processes that affect seaweeds in such strongly human-impacted ecosystems, but also as an opportunity to develop applied sciences for the interest of a sustainable seaweed production. In this context, he has assembled a team of researchers, called Marine Agronomy of Seaweed Holobionts (MASH) to promote a seaweed biology that sustains the development of a seaweed marine agronomy. This research led to the establishment of a large collection of live seaweeds supporting both basic research and the seaweed aquaculture sector. He has been advocating for a sustainable management of marine genetic resources, participating in policy-making in Chile.

Sylvain is a Professor at the Catholic University of Chile and the director of the marine station, ECIM, located on the coast of central Chile. He leads a large transdisciplinary team within the university, to promote joint research on different aspects related with the sustainability of coastal socio-ecological systems, such as marine biodiversity dynamics and conservation biology, physical processes of the coastal ocean, marine agronomy and ecosystem engineering, marine biotechnology and the art-sciences interactions for education and knowledge transfer.

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Data from this AML-6 scientific instrument is available in ONCs Oceans 3.0 portal. Data tells us how ocean conditions differ across kelp-based ecosystems and change over time.

**Visit ONC at Booth #5 to learn more!**

ONC is one of Canada's Major Research Facilities and an initiative of the University of Victoria.

*Credit: Adapted from image supplied by Colin Bates, Cascadia Seaweed*

# PLENARY SPEAKERS



## CHIEF ABRAHAM PELKEY

Chief Abraham Pelkey of STÁUTW First Nation was elected on July 6th, 2023. Chief Pelkey served on Council for four terms with 8 years in total. His leadership is informed

by over two decades of experience spanning various sectors, including construction, marine industry, and Indigenous governance. Chief Pelkey managed and led multiple portfolios including land, finance, and housing, while holding positions of Chair of the W̱SÁNEĆ School Board, Economic Development, and the Lands Management Committee. His journey has been characterized by a commitment to excellence, leadership, and the strategic oversight of multifaceted projects, teams and initiatives. Chief Pelkey's praxis is rooted in the belief that knowing our language enables us to know who we are, and where we come from. Our language, culture, teachings and history ensure that we continue to move forward in a sustainable manner that respects and is conscious of future generations. With the support of his community, Chief Pelkey will continue to lead and influence positive change. He remains dedicated to leveraging his knowledge, skills, and experience for the continued growth, well-being, and prosperity of STÁUTW.

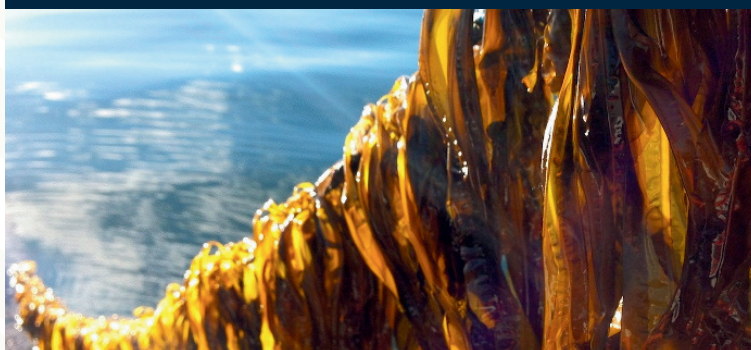


## DR. CATRIONA L. HURD

Dr. Catriona L. Hurd is a phycologist with expertise in the physiological responses of seaweeds to environmental drivers including light, temperature, water motion, dissolved inorganic carbon and nutrient supply. Her research currently focusses on the impacts of ocean acidification, ocean warming and marine heat waves on seaweed metabolism, the development of seaweed aquaculture in Australia, and on assessing the role of seaweeds in marine Carbon Dioxide Removal.

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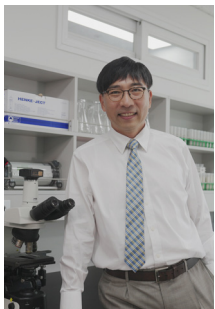


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# PLENARY SPEAKERS



## DR. JANG KIM

Dr. Jang K. Kim is a Professor of Marine Science at Incheon National University (INU), Korea. He received his undergraduate degree from INU, and his MSc and Ph.D. from the University of Connecticut (UConn), USA.

Dr. Kim has served on various international, national and provincial committees including, UNDP/GEF YSLME Steering Committee, Yellow Sea Peace Forum, Coastal Management Planning Committee of Korea, Coastal Management Council of Incheon, etc. Dr. Kim is also an associate editor/editorial board member of *Algae*, *Journal of the World Aquaculture Society*, *Phycological Research*, *Fisheries and Aquatic Sciences*, and *Toxicology and Environmental Health Sciences*.

During the past 25 years, his research has focused on interactions between marine algae and their environment. He is most interested in seaweed aquaculture and its applications. Specifically, Dr. Kim has worked on open water and land-based seaweed aquaculture, integrated multi-trophic aquaculture, and blue carbon ecosystem-based carbon dioxide removal. He has also conducted numerous collaborative research projects with international partners in the Americas, Europe, and Asia. He has hosted many knowledge exchange programs between Korea and the US or Europe for seaweed aquaculture and environmentally sustainable aquaculture.



## DR. JEAN-BAPTISTE THOMAS

Dr. Jean-Baptiste Thomas is a researcher at KTH Royal Institute of Technology (Stockholm, Sweden) specializing in life cycle assessment (LCA), carbon accounting, and sustainability

in marine production systems. He applies systems thinking to assess the environmental impacts of seafood, algae value chains, and bio-based innovations.

JB has worked with seaweed and marine bioresources since 2012, focusing on their role in sustainable food systems and climate mitigation. He is actively involved in harmonizing LCA methods for algae across EU projects to improve consistency and applicability. With a PhD awarded in 2018, he works closely with industry and policymakers to ensure sustainability assessments are both rigorous and relevant.

In the world of LCA, he has a particular interest in prospective LCA, exploring how future technologies could shape sustainability outcomes. He also advocates for stakeholder participation in LCA, ensuring assessments reflect real-world needs and support informed decision-making. By integrating scientific insights with practical applications, JB aims to contribute to more sustainable and resilient marine production systems while maintaining a balanced and holistic perspective on environmental trade-offs.

# PLENARY SPEAKERS



## **DR. KAREN FILBEE-DEXTER**

Dr. Karen Filbee-Dexter is a marine ecologist studying the drivers and patterns of long-term change in coastal ecosystems. Her research centers on climate-driven

changes to kelp forests, including shifts to alternate ecosystem states such as turf reefs and sea urchin barrens, and expansion along some Arctic coasts. She is an expert in the production and export of seaweed detritus, and the role seaweed blue carbon plays in the broader ocean carbon cycle. She has helped develop new restoration approaches for kelp forests using Green Gravel, as well as explored novel methods to fund kelp conservation and restoration. Karen holds a Future Fellowship at the University of Western Australia and works as a researcher at the Institute of Marine Research in Norway. She obtained her PhD from Dalhousie University and is an adjunct professor at Université Laval in Canada.



## **DR. MICHAEL Y. ROLEDA**

Dr. Michael Y. Roleda is a Professor at the Marine Science Institute of the University of the Philippines-Diliman. His passion for tropical seaweed started in the early 1990s cataloguing

biodiversity and worked on the biology and biochemistry of an agarophyte. Further graduate study and postdoctoral fellowships in Germany, Sweden, and Scotland enabled him to work on cold-temperate and polar seaweeds and microalgae with emphasis on their physiological responses to global climate change stressors (e.g., UVR, ocean warming and acidification). In 2004, he went bipolar-participated in land-based expeditions to Spitsbergen in the Arctic and King George Island in the Antarctic. His search for a niche brought him to the Southern Ocean in New Zealand and then back to the North Atlantic in Norway, where he started working on the food and feed applications of seaweeds. He came full circle in 2018—back in the Philippines working on the biodiversity of carrageenan-producing eucheumatoids (*Kappaphycus* spp., *Eucheuma denticulatum*, and *Betaphycus gelatinus*), led and improved the in vitro and hatchery gene banks with >200 unique strains undergoing genotypic and phenotypic characterizations, understanding their ecological breadth and susceptibility to pest and diseases, and innovating mitigating measures.





Salwan Georges/The Washington Post via Getty Images

## Pew and Partners: Building a Foundation for Sustainable Seaweed Farming

The Pew Charitable Trusts works in North America to support a seaweed farming sector that restores ocean health, bolsters communities, and includes the voices of Indigenous and small-scale producers.

Learn more at [pewtrusts.org/ISS25](https://pewtrusts.org/ISS25)

Pew



The Province of B.C. manages aquatic plants through:

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# SUNDAY, MAY 4

TIME:	SESSION:
09:00 AM - 01:00 PM	<b>Workshop #5</b> Exploring Needs and Opportunities for Improved Monitoring of the Benefits and Impacts of Seaweed Farming in Alaska and British Columbia - Location: Lecture Theatre, Level 1
09:00 AM - 05:00 PM	<b>Workshop #1</b> Kelp Forest Challenge: Regional strategies and action plans for protecting and restoring 4 million hectares of kelp forests by 2040 - Location: Colwood, Level 2
09:00 AM - 05:00 PM	<b>Workshop #9</b> Designing Multiple Driver Experiments - Location: View Royal, Level 2
09:30 AM - 12:30 PM	<b>Workshop #3</b> Seaweed Biorefineries and a Future Circular Bioeconomy: Are We Really Ready? - Location: Sidney, Level 2
01:00 PM - 03:30 PM	<b>Workshop #2</b> A Comprehensive Monitoring Evaluation and Learning Framework for Restorative and Regenerative Seaweed Aquaculture - Location: Sidney, Level 2
02:00 PM - 04:00 PM	<b>Workshop #4</b> Addressing fundamental gaps in seaweed taxonomic knowledge - Location: Lecture Theatre, Level 1
02:00 PM - 04:30 PM	<b>Pre-Symposium Tour #2</b> Clover Point Intertidal Tour - Location: Offsite
03:45 PM - 05:30 PM	<b>Workshop #6</b> Edible Seaweeds of the Pacific Northwest: A Wild Seaweed Tasting - Location: Sidney, Level 2
05:30 PM - 08:00 PM	<b>Welcome Reception</b> <b>Location:</b> Level 2

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# THE FUTURE LIES ***BENEATH THE WAVES***



OCEAN RAINFOREST



# MONDAY, MAY 5

08:30 AM - 09:15 AM	<b>Opening Ceremony</b>		
09:15 AM - 10:00 AM	<b>A 200-year British Columbia seaweed perspective from a 1900 U.S. invasion to the challenging 2100 future, dedicated to Klaus Luening (1941-2023) whose studies advanced kelp mariculture</b> <b>Dr. Louis D. Druehl</b>		
10:00 AM - 10:30 AM	<i>Morning Coffee Break</i>		
10:30 AM - 12:00 PM	<b>Special Session Seaweed Wizards</b> <b>Michael Borowitzka, Charles Yarish, John Bolton, Michael Guiry, Eurico Cabral de Oliveira, Masao Ohno</b>		
12:00 PM - 12:30 PM	<b>Special Session Algae Foundation</b> <b>Dr. Ike Levine</b>		
12:30 PM - 01:30 PM	<i>Lunch Break</i> <b>Location:</b> Tented Area, Royal BC Museum, 675 Belleville Street		
01:30 PM - 02:30 PM	<b>Marine Agronomy of Seaweed Holobionts</b> <b>Dr. Sylvain Faugeron</b>		
02:30 PM - 03:30 PM	<i>Concurrent Sessions</i>		
THEME:	O 1.1 Aquaculture Methods	O 1.2 - Microbiome of Seaweeds	O 1.3 - Breeding and Strain Selection
ROOM:	Lecture Theatre	Saanich	Oak Bay
02:30 PM - 02:45 PM	Natural Collection of Luche (Pyropia/ Porphyra) in Nets for Culture Along the Coasts of Southern Chile (Los Lagos Region) as a Nature-Based Solution (Nbs) for Coastal Communities <b>Marcela Avila</b>	Decoding Microbial Dynamics on Seaweed: Implications for Process Optimisation and Quality Control <b>Kizzie Amooore</b>	Growth and Reproduction of Saccharina latissima Gametophytes from Two Locations with Different Salinity <b>Emma Krüger Jensen</b>
02:45 PM - 03:00 PM	Beyond Tradition: Indigenous Kelp Harvesting in Global Supply Chains <b>Alessandro Viscomi</b>	Dimethyl Sulfoniopropionate (DMSP) Metabolism in Green Tide Causing Seaweed <b>Catherine Philip</b>	Reproductive Phenology and Thermal Constraints on Fertilization in Southern Bull Kelp Durvillaea Potatorum (Order Fucales): Implications for Cultivation <b>Vincent HS Yap</b>
03:00 PM - 03:15 PM	B.C. Provincial Government Regulation of Kelp and Seaweeds <b>Kevin Romanin</b>	The role of microbiota in kelp gametophyte development and resilience to thermal stress <b>Reina Veenhof</b>	Global Interfertility and Heterosis in Sugar Kelp Populations: A Next Step in Sugar Kelp Breeding <b>Job Cohen</b>
03:15 PM - 03:30 PM	Investigating The Use of Natural Fibres Historically Used By Māori, As a Substrate to Grow Macrocystis Pyrifera, Integrating Te Ao Māori Into The Regeneration of Kelp Forests Within Te Whanganui-A-Tara, Aotearoa <b>Māia-te-o-ho Holman-Wharehoka</b>	Red Endophytic Filamentous Algae in Hatchery-Cultivated Kappaphycus Striatus <b>Shienna Mae Gonzaga</b>	Enhancing Gametogenesis to Improve Commercial Use of Gametophyte Germplasm for Sugar Kelp (Saccharina latissima) Aquaculture <b>Daniel Gossard</b>
03:30 PM - 04:00 PM	<i>Afternoon Coffee Break</i>		



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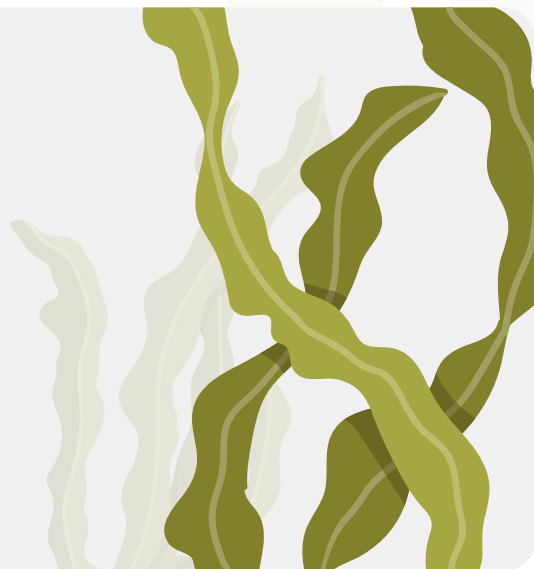


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O 1.4 - Chemical Ecology	O 1.5 - Kelp Restoration	O 1.6 - Policy Development	THEME:
Esquimalt	Salon BC (Carson Hall)	Sidney	ROOM:
Chemical Cues Influencing Cell Polarity in Dictyota dichotoma <b>Eliane Zakka</b>	Integrating Breath-Hold Diving Techniques into a Low-Cost Community-Based Methodology for Kelp Restoration in Te Whanganui A Tara, Aotearoa New Zealand <b>Hannah Ryall</b>	Applied Seaweed Research and Industrial Development - A Success Story from Sweden <b>Fredrik Gröndahl</b>	02:30 PM - 02:45 PM
Deciphering the Biosynthesis of Halogenated Compounds in Brown Algal Model Using Knock-Out Mutants, Transcriptomics and Metabolomics Analysis <b>Eurydice Peti-Jean</b>	Successful Kelp Forest Restoration Will Rely on Diverse Partnerships and Community-Based Networks Hayley Swanlund <b>Jan Freiwald</b>	Assessing Environmental DNA (Edna) as a Method for Quantifying Biodiversity Enhancement Associated with Seaweed Aquaculture <b>Hayley Swanlund</b>	02:45 PM - 03:00 PM
	Chiixuu TII iinasdII: Learning from indigenous Haida and scientific leadership in kelp restoration <b>Lynn Lee</b>	Navigating the Uncharted Waters of Seaweed Safety <b>Jens J Sloth</b>	03:00 PM - 03:15 PM
	From Little Things, Big Things Grow: Using Tree Islands to Restore Marine Forests <b>Catalina Musrri</b>		03:15 PM - 03:30 PM
Afternoon Coffee Break			03:30 PM - 04:00 PM

# MONDAY, MAY 5

THEME:	MS 1.1 - The Future of Global Seaweed Biobanking: Combining Industrial Applications and Biodiversity Conservation	O 1.8 - Distribution and Climate Stress	O 1.9 - Sustainable Seaweed Cultivation
ROOM:	Lecture Theatre	Saanich	Oak Bay
04:00 PM - 04:15 PM	Introduction to Mini Symposium <b>Laurie Hofmann &amp; Mélanie Cueff</b>	Physiological and Biochemical Response of the Kelp <i>Laminaria Hyperborea</i> to Increasing Temperatures along Its European Distribution Gradient <b>Florian Stahl</b>	Social Participatory Approach to Sustainable Seaweed Aquaculture in Sabu Raijua Island-Indonesia <b>Muhammad Ziaul Haq</b>
04:15 PM - 04:30 PM	Seaweed Biobanking: Objectives, Models, and Links to Aquaculture and Conservation <b>Sylvain Faugeron</b>	Tidal Height Normalization (THN): A New Approach to Benthic Organisms Zonation on the Intertidal Zone <b>Mathieu Helias</b>	Kelp Cultivation and Stewardship in Toxw Nach <b>Leeann Ennis</b>
04:30 PM - 04:45 PM	Global Coordination in Identifying and Monitoring Seaweed Genetic Resources <b>Daniela Lucente</b>	Evaluating The Spatial-Temporal Dynamics and Ecological Effects of Kelp-Encrusting Bryozoans Across The British Columbia Coast <b>Sarah Schroeder</b>	Tackling Misidentification and Propagation Challenges in Seaweed Farming in the Sulu Archipelago <b>Sitti Zayda Halun</b>
04:45 PM - 05:00 PM	Applications of Seaweed Biobanking for Sustainable Industry in Korea <b>Eun Kyoung Hwang</b>	Monitoring Kelp Forest Health: A Monitoring Guidebook for Restoration Practitioners and Marine Stewards <b>Scott Bohachyk</b>	Kelp Farming Led by the Tsawout First Nation: A Nature-Based Solution for Sustainable Economic Benefits in the Salish Sea <b>Jennifer Claxton</b>
05:00 PM - 05:15 PM	The Role of Seaweed Biobanking in Supporting Aquaculture Industry Needs <b>Gabriel Montecinos Arismendi</b>	Comparing In Situ Kelp Surveys with Aerial Drone Surveys to Estimate Kelp Biomass <b>Luba Reshitnyk</b>	Scaling Regenerative Seaweed Farming in Aotearoa New Zealand: A Multi-Species Approach <b>Ryan Marchington</b>



O 1.10 - Macroalgal Diversity	MS 1.2 - Progress and Challenges in Large-Scale Tropical Seaweed Cultivation	O 1.11 - Novel Seaweed Applications	O 1.12 - Applications in Human Health	THEME:
Esquimalt	Salon BC (Carson Hall)	Sidney	Colwood	ROOM:
Macrocystis ecomorphs 'intergrifolia' and 'pyriferia': differences in early stages productive traits <b>Alejandro Buschmann</b>	Seaweed at Scale: The road ahead for Tropical seaweed as a Biofeedstock <b>Nelson Vadassery</b>	Developing Biomineral Applications of Seaweeds for Sustainable, Domestic Production of Critical REE Mineral Feedstocks <b>Thomas Mumford</b>	Seaweed Bioprospecting Using Machine Learning and Omics Data <b>Cintia Iha</b>	04:00 PM - 04:15 PM
An undescribed species of Arthrocardia (Corallinales, Rhodophyta) from South America and the first record of geniculate coralline from Antarctica <b>Andres Mansilla</b>	From "too young" to "too old": reflections on sixty years of phyconomy bricolage on ocean farms <b>Iain Neish</b>	Seaweed Polysaccharide (Ulvan) Crop Protection Products for Horticulture <b>Marie Magnusson</b>	Impact of a Mycosporine-Like Amino Acid-Enriched Extract from the Red Seaweed Palmaria Palmata in the Mouse: Bioavailability and Effect on Alzheimer's Disease Neuropathology <b>Lucie Beaulieu</b>	04:15 PM - 04:30 PM
Characterizing Morphological Variability in the Feather Boa Kelp, Egregia Menziesii, Across California Over Time Using Historical and Contemporary Pressings <b>Adi Khen</b>	Exploring Wild Eucheumatoid Genetic Diversity in Indonesian Coastal Regions <b>Eka S Prasedya</b>	The Biostimulants Prepared from Kappaphycus Alvarezii Extracts Improves Plant Growth, Nutrient Use Efficiency, and Rhizosphere Microbial Community in the Presence of Inorganic Fertilizers <b>Pushp Sheel Shukla</b>	ALGAE4IBD: Innovative and Cost-Effective Solutions for Inflammatory Bowel Disease Patients from ALGAE <b>Benoit Queguineur</b>	04:30 PM - 04:45 PM
Laminaria Farlowii Genome Sequencing and Seedbanking for Conservation and Aquaculture <b>Michael Marty-Rivera</b>	Charting the Path for an International Tropical Seaweed Resilience Institute <b>Karlotta Rieve</b>	What Are the Mechanisms of Action to Plant Biostimulation Behind Key Seaweed Compounds? The Biostim Almap Project <b>Franck Hennequart</b>	Supplementation of Seaweed Extracts to the Diet Reduces Symptoms of Alzheimer's Disease in the Appswaps16e9 Mouse Model <b>Monique Mulder</b>	04:45 PM - 05:00 PM
Tearing And Healing, Rather Than Cell Death, Underlie Blade Splitting in the Bull Kelp Nereocystis Luetkeana <b>Alana Breitzkreutz</b>	A First Look at Ecological Aspects of Large-Scale Tropical Seaweed Farming <b>Mahima Jaini</b>	Synergistic Activation of Grapevine Defense Mechanisms Against Downy Mildew by Ascophyllum nodosum Extract and Pseudomonas fluorescens CHAO <b>Ramin Bahmani</b>	Harvesting and Conversion of Sargassum for Production of 'Sustainable Aviation Fuel' Intermediates (Macro2SAF) <b>John Benemann</b>	05:00 PM - 05:15 PM

# MONDAY, MAY 5

THEME:	MS 1.1 - The Future of Global Seaweed Biobanking: Combining Industrial Applications and Biodiversity Conservation	O 1.8 - Distribution and Climate Stress	O 1.9 - Sustainable Seaweed Cultivation
ROOM:	Lecture Theatre	Saanich	Oak Bay
05:15 PM - 05:30 PM	A European biobanking strategy for Safeguarding Seaweed Genetic Material and the AWI case study <b>Inka Bartsch &amp; Laurie Hofmann</b>	Investigating the Refugial River Mouth Hypothesis: Assessing the Effects of Low Salinity Conditions on the Population Dynamics of Nereocystis Luetkeana <b>Duncan Jackson</b>	Indigenous Resurgence in the Blue Economy: Relational Values to Guide Kelp Mariculture <b>Sarah Gutzmann</b>
05:30 PM - 05:45 PM	Discussion and Synthesis <b>Laurie Hofmann &amp; Mélanie Cueff</b>	Synthesizing Kelp Canopy Data for a Synoptic View of Floating Kelp Distribution in Washington State, USA <b>Danielle Claar</b>	Diversification: A Model of Climate Change Adaptation by the Mi'gmaq and Wolastoqey Communities <b>Marie-Helene Rondeau</b>
05:45 PM - 06:00 PM		Identifying suitable areas for canopy-forming kelp along an environmental gradient in the Northeast Pacific <b>Maycira Costa</b>	The Role of Private Sector for the Sustainability of Tanzanian Red Seaweed Value Chain <b>Virginie Le Masson</b>
06:30 PM - 08:00 PM	<b>Student and Early Career Researcher Social Night</b> <b>Location:</b> Herald Street Brew Works, 506 Herald Street, Victoria, BC		
06:30 PM - 09:00 PM	<b>Indigenous Social</b> <b>Location:</b> Sunset Labs Victoria, 400 Herald St, Victoria, BC V8W 3N8		



# MONDAY, MAY 5

O 1.10 - Macroalgal Diversity	MS 1.2 - Progress and Challenges in Large-Scale Tropical Seaweed Cultivation	O 1.11 - Novel Seaweed Applications	THEME:
Esquimalt	Salon BC (Carson Hall)	Sidney	ROOM:
Resolving Gelidium Pulchellum Cryptic Diversity in France Using DNA Barcoding <b>Guilhem Cozien</b>	Farm Systems for Large-Scale Tropical Seaweed Cultivation in Exposed Waters <b>Clifford Goudey</b>	From Natural Rockpools to Optimized Cultivation: Exploring the Potential of Ulva as a Source of High-Value Substances <b>Vanessa Nardini</b>	05:15 PM - 05:30PM
	Interrogating The Kalv Genome and Transcriptome to Dissect the Impact of Light Stress on Carrageenan Synthesis: Targets for Genetic Advancement? <b>Scott Fahrenkrug</b>		05:30 PM - 05:45 PM
	Growth And Nutrient Remediation Potential of Farmed Tropical Seaweeds in the Gulf of Mexico <b>Kristen Davis</b>		05:45 PM - 06:00 PM
<b>Student and Early Career Researcher Social Night</b> <b>Location:</b> Herald Street Brew Works, 506 Herald Street, Victoria, BC			06:30 PM - 08:00 PM
<b>Indigenous Social</b> <b>Location:</b> Sunset Labs Victoria, 400 Herald St, Victoria, BC V8W 3N8			06:30 PM - 09:00 PM



# TUESDAY, MAY 6

08:30 AM - 09:30 AM	<b>Harnessing Indigenous Knowledge: Kelp Farming for Food Sovereignty, Economic Sustainability, and STÁUTW (Tsawout) First Nation's Conservation Efforts in the Salish</b> <b>Chief Abraham Pelkey</b>		
<b>THEME:</b>	<b>O 2.1 Physiological Response to Climate Stress</b>	<b>O 2.2 Microbiome of Seaweeds 2</b>	<b>O 2.3 - Carbon Cycling</b>
<b>ROOM:</b>	<b>Lecture Theatre</b>	<b>Saanich</b>	<b>Oak Bay</b>
09:30 AM - 09:45 AM	Species-Specific Recalcitrant Macroalgal Dissolved Organic Carbon and Fluorescence Dynamics Typically Outweighed by in Situ Heatwave and Bleaching Stress Responses <b>Andrew Kalani Carlson</b>	Sugar Rush! Microbial Degradation of Brown Algal Fucoindans <b>Jessica Carstens-Kass</b>	Exploring Blue Carbon Limits: Insights from a Small-Scale Kelp Farm in Subarctic Region <b>Fanny Noisette</b>
09:45 AM - 10:00 AM	Depth Matters: How Mesophotic Habitats Shape the Ecology and Climate Resilience of Kelp Forests in the Galapagos <b>Salome Buglass</b>	Microbial Implications of Nutrient Sources for Marine Macroalgae <b>Craig Nelson</b>	Sweet Success: Structural Variability of Fucose-Containing Sulfated Polysaccharides as a Strategy to Challenge Bacteria? <b>Margot Bligh</b>
10:00 AM - 10:15 AM	Genomic Insights into Deep Refuges and Warm Adaptation in Western Australia's Kelp Forests <b>Antoine Minne</b>	Microbes Can Mediate Climate-Driven Effects on the Maintenance of Seaweed Habitats <b>Ziggy Marzinelli</b>	
10:15 AM - 10:30 AM		Temporal and inter-individual microbiome variation in <i>Fucus distichus</i> <b>Andrea Jackman</b>	
10:30 AM - 11:00 AM	Morning Coffee Break		



# TUESDAY, MAY 6

<b>Harnessing Indigenous Knowledge: Kelp Farming for Food Sovereignty, Economic Sustainability, and STÁUTW (Tsawout) First Nation's Conservation Efforts in the Salish</b> <b>Chief Abraham Pelkey</b>				08:30 AM - 09:30 AM
<b>O 2.4 Applications in Agriculture</b>	<b>O 2.5 - Monitoring and Distribution</b>	<b>O 2.6 - Diversity of Corallines</b>	<b>O 2.7 - Policy Development 2</b>	<b>THEME:</b>
Esquimalt	Salon BC (Carson Hall)	Sidney	Colwood	<b>ROOM:</b>
<p>Exploring The Anti-Methanogenic Effects of Water-Based Extracts from Asparagopsis Taxiformis in an in Vitro System Simulating Rumen Fermentation  <b>Mihai-Victor Curtasu</b></p>	<p>Multiple Ways of Knowing and Adaptive Management in the Northern Shelf Bioregion: An Indigenous-led regional kelp monitoring initiative to inform conservation, resilience and marine spatial planning  <b>Jennifer Temple</b></p>	<p>The Importance of Coralline Algae for the Stability and Substrate Availability of the Unique Submerged Columns of the Ikka Fjord, SW Greenland  <b>Lina M. Rasmusson</b></p>	<p>Ghvtlh-k'vsh shu'-srnelh-'i~ (Kelp Guardians) of California's North Coast  <b>Rosa Laucci</b></p>	09:30 AM - 09:45 AM
<p>Dulse And Xylanase for Gut Health of Piglets: Can We Release Prebiotics from the Fibre Matrix? An in Vitro Study  <b>Élisabeth Chassé</b></p>	<p>A Study on the Status of Urchin Barren Investigation in South Korea Using Airborne Hyperspectral Imagery  <b>Hyun Min Lee</b></p>	<p>Seaweed Exploration in the Falkland Islands and South Georgia: New Insights into Coralline Algal Diversity of the South Atlantic and Southern Ocean  <b>Rob Mrowicki</b></p>	<p>A Novel Risk Assessment Methodology for Sustainable Management of Seaweed Resources  <b>David Milla Figueras</b></p>	09:45 AM - 10:00 AM
<p>The Red Seaweed Asparagopsis taxiformis to Mitigate Methane Emissions in Livestock: What have we learned from 5 years of research  <b>Jennifer Smith</b></p>	<p>Very High-Resolution Habitat Mapping of Intertidal Rocky Shore Using Drone Visible Imagery, Improved by Red-Edge and Infrared, along with Lidar Topography  <b>Agathe Bouet</b></p>	<p>Assessment of Rhodolith-Forming Species Diversity in British Columbia Uncovers Novel Cryptic Diversity, The Occurrence of Hybrid Rhodoliths and Geniculate Taxa Exhibiting a Rhodolith-Like Morphology  <b>Keelie Taylor</b></p>	<p>Enable Conditions for Community-Led Kelp Restoration in Northern Patagonia: Integrating Indigenous Knowledge for Ecological and Economic Resilience  <b>Scott Bohachyk</b></p>	10:00 AM - 10:15 AM
<p>Effect of Temperature on Growth, Photosynthesis, and Bromoform Production of the sub-tropical red algae, Asparagopsis taxiformis  <b>Tess Rounds</b></p>	<p>Co-Designing SEEA EA Accounts with The Traditional Owners of the Seascape  <b>Silva Larson</b></p>			10:15 AM - 10:30 AM
Morning Coffee Break				10:30 AM - 11:00 AM



# TUESDAY, MAY 6

THEME:	MS 2.1 - Restoration and Conservation of Global Seaweed Stocks	MS 2.2 - The Chemical Language of the Seaweed Holobiont	O 2.8 - Ecology of Algal Blooms
ROOM:	Lecture Theatre	Saanich	Oak Bay
11:00 AM - 11:15 AM	Understanding the State of the World's Seaweeds and what must be done to protect them <b>Sophie Corrigan</b>	Bacterial Bioconversion of Macroalgal Biomass <b>François Thomas</b>	Functional Ecology of Rafting Fauna Associated with Sargassum Blooms at the Mexican Caribbean <b>Jorge Manuel López-Calderón</b>
11:15 AM - 11:30 AM	Restoration and conservation of global seaweed stocks <b>Cicilia Kambey</b>	The Chemical Language of The Seaweed Holobiont <b>Mahasweta Saha</b>	How Ulva Blooms: Linking Genetic Variation to the Growth of Ulva Compressa <b>Emma Coulembier Vandelannoote</b>
11:30 AM - 11:45 AM	An Overview of Innovative Methods for Tropical Seaweed Restoration <b>Phaik Eem Lim</b>	Advances in Algal Growth and Morphogenesis Promoting Factors in Green Macroalgae Within Fundamental and Applied Research <b>Thomas Wichard</b>	Nutrient Contents and Stoichiometry of Pelagic Sargassum in a Changing World <b>Brian Lapointe</b>
11:45 AM - 12:00 PM	Progressive Management Pathway for Improving Seaweed Biosecurity for Restoration <b>Elizabeth Cottier-Cook</b>	Chemical Signalling During Oomycete Eurychasma Dicksonii Infection in the Model Brown Alga Ectocarpus Siliculosus <b>Puja Kumari</b>	Sargassum events in the Mexican Caribbean: An integrative review <b>Erika Fabiola Vázquez-Delfín</b>
12:00 PM - 12:15 PM	Coupling the conservation of wild seaweeds with the seaweed industry <b>Juliet Brodie</b>	Chemical Ecology of the Kelp Holobiont <b>Soizic Prado</b>	Multi-Year Renewal of Green Tides: 18 Years of Algal Mat Monitoring (2003-2020) on French Coastline (Brittany Region) <b>Justine Louis</b>
12:15 PM - 12:30 PM	Recognising Seaweeds: Addressing Gaps in International Biodiversity Frameworks for Global Seaweed Protection <b>Shaun Beattie</b>	Spatio-Temporal Dynamics of Chemical Interactions Between Taonia Atomaria and Its Epibacterial Community <b>Benoît Paix</b>	Predicting Seaweed Drift: How Hydrodynamic Factors, Morphology, and Bottom Structure Determine Movement Patterns <b>Friederike Gronwald</b>

# TUESDAY, MAY 6

O 2.9 - Ecology of Seaweeds	MS 2.3 - Advancing Food Systems through Traditional Knowledge Sharing	O 2.10 - Aquaculture: Processing and Applications	O 2.11 - Life Cycle and Reproduction	THEME:
Esquimalt	Salon BC (Carson Hall)	Sidney	Colwood	ROOM:
Does Grazing Pressure Induce Bromoform Production in the Methane Mitigating Red Seaweed <i>Asparagopsis taxiformis</i> ? <b>Kanisha Contractor</b>	Advancing Food Systems through Traditional Knowledge Sharing <b>Libby Swanepoel</b>	Next Steps in Seaweed Fermentation: Exploring Co-Fermentation to Improve Fermented Seaweed Ingredients <b>Evangelia Zioga</b>	Effects of Temperature on the Sex Ratio of <i>Nereocystis Luetkeana</i> Gametophytes <b>Taylor Hughes</b>	11:00 AM - 11:15 AM
Interactive Effects of Gametophytes and Grazers On Kelp Recruitment <b>Kaitlyn Tonra</b>	Building Knowledge Systems: A Peer-Led Exchange on Seaweed Traditions in Samoa and Kiribati <b>Ulusapeti Tiitii &amp; Taati Eria</b>	From Sea to Table: Innovative Processing for Seaweed as Sustainable Food <b>Susan Løvstad Holdt</b>	Mating Strategies in Reds: Animal-Mediated Fertilization and Sexual Selection in <i>Gracilaria gracilis</i> <b>Myriam Valero</b>	11:15 AM - 11:30 AM
Effects Of Different Algal Species On Feeding Rates Of Purple Sea Urchins <b>Fox Melo</b>	Honouring Tradition, Innovating for the Future: Advancing Edible Products in Fiji <b>Jimaima Lako</b>	Salt Pickling and Brining as a Post-Harvest Treatment to Prolong Shelf-Life of Greenlandic Sugar Kelp ( <i>Saccharina Latissima</i> ) and Winged Kelp ( <i>Alaria Esculenta</i> ) <b>Caroline Østergaard Klein</b>	Omics-Driven Insights for Advancing <i>Palmaria Palmata</i> Aquaculture as a Functional Food <b>Pierre Liboureau</b>	11:30 AM - 11:45 AM
Conservation Versus Cultivation: Addressing Sea Turtle Conflicts in the Expanding Seaweed Industry <b>Abdul Rahman Hassan</b>	The Changing Nature of Edible Seaweeds in Fiji: Understanding Supply and Access Through Market Data and Women's Insights <b>Shirleen Bala &amp; Cherie Whippy</b>	Physicochemical-, and Bioactive Properties of Acid Preserved <i>Alaria Esculenta</i> and <i>Saccharina Latissima</i> During Storage <b>Anna Thora Hrólfssdóttir</b>	As Time Goes By: The Remarkable Longevity of the Red Alga <i>Gracilaria gracilis</i> <b>Christophe Destombe</b>	11:45 AM - 12:00 PM
Exploring Links Between Macroalgal Detritus and Marine Decomposer Communities Using ITS2 Metabarcoding <b>Molly Crowe</b>	Seaweed Production in Solomon Islands: Nature-Based Approach to Navigating Climate, Ecological and Environmental Challenges <b>Kofi Otumawu-Apreku</b>	Evolution of Volatiles and Sensorial Properties of Industrially Dried <i>Ulva Fenestrata</i> During Storage <b>Mar Vall-Llosera Juanola</b>	Reproductive Strategies and Genetic Diversity in the Red Algae <i>Palmaria palmata</i> : Effect of Sexual Dimorphism and Implications for Sustainable Aquaculture in a Variable Environment <b>Aurélien Baud</b>	12:00 PM - 12:15 PM
Shifts In Macroalgae Composition Alters Carbon Flow in Coastal Baltic Sea Ecosystems: Implications for Dissolved Organic Carbon Bioavailability and Flux <b>Jack Hall</b>	Advancing Sustainable Seaweed Food Systems through Traditional Knowledge Sharing <b>Silva Larson</b>	Beyond the Hype: What's Working Across the North American Kelp Industry and Why <b>Kendall Barbery</b>	The 2024 Oregon Kelp Forest Status Report: Signs of Loss, Signs of Life <b>Sara Hamilton</b>	12:15 PM - 12:30 PM



# TUESDAY, MAY 6

THEME:	MS 2.1 - Restoration and Conservation of Global Seaweed Stocks	MS 2.2 - The Chemical Language of the Seaweed Holobiont	O 2.8 - Ecology of Algal Blooms
ROOM:	Lecture Theatre	Saanich	Oak Bay
12:30 PM - 12:45 PM	Discussion	Mapping the Metabolome of the Holobiont Under Climate Change: A Perspective from Algae and Their Associated Microbes <b>Marine Vallet</b>	A Sargassum BioRefinery to valorize uncontrolled blooms of brown macroalga <b>Jose Avalos</b>
12:45 PM - 01:00 PM		Discussion	
01:00 PM - 02:00 PM	Lunch Break <b>Location:</b> Tented Area, Royal BC Museum, 675 Belleville Street		
02:00 PM - 03:00 PM	<b>Seaweed Forests in a Warming Ocean: Consequences of Loss and Hopes for the Future</b> <b>Dr. Karen Filbee-Dexter</b>		
03:00 PM - 04:30 PM	<b>Poster Session I</b> <b>Location:</b> Pre-Function 1A, Level 1 & Salon BC & Foyer, Level 2		
	Afternoon Coffee Break		
THEME:	MS 2.4 - Diverse Pre-Treatment Processes for Macroalgae Conversion and Utilisation	O 2.12 - Ecology and Reproduction	O 2.13 - Distribution Shifts
ROOM:	Lecture Theatre	Saanich	Oak Bay
04:30 PM - 04:45 PM	Pilot-Scale Steam Explosion: A Novel Pre-Treatment Route for High Value Compound Release from Nuisance Ulva Species <b>Jessica Adams</b>	Investigating Patterns in Kelp Recruitment Across the Oregon Coast <b>Sarah Sellke</b>	An Overview of the Resilience and Persistence of Kelp Forests in the Salish Sea of British Columbia <b>Alejandra Mora-Soto</b>
04:45 PM - 05:00 PM	Ultrasonic Extraction of Fucoidan from Wracks Following Wet Milling <b>Andrew Ross</b>	Unlocking the Secret Microscopic Life of Kelp: Assessing Gametophyte Longevity in Kelp Forest and Urchin Barren Ecosystems <b>Lauran Liggan</b>	Shifts In Kelp Forest Structure and Performance Under Ocean Warming: Linking Historical and Contemporary Field Surveys with Experimental Approaches <b>Nora Salland</b>
05:00 PM - 05:15 PM	Hydrodynamic Cavitation Pre-Treatment for Intensified Macroalgal Valorisation <b>Sanjay Nagarajan</b>	Kelp Lessonia Corrugata Reproduction Varies with Season and Water Motion <b>Allyson Nardelli</b>	Ecological Stability and Shifts on Temperate Reefs in the Anthropocene <b>Dan Smale</b>

# TUESDAY, MAY 6

O 2.9 - Ecology of Seaweeds	MS 2.3 - Advancing Food Systems through Traditional Knowledge Sharing	O 2.10 - Aquaculture: Processing and Applications	O 2.11 - Life Cycle and Reproduction	THEME:
Esquimalt	Salon BC (Carson Hall)	Sidney	Colwood	ROOM:
The Green Macroalga <i>Caulerpa Prolifera</i> Replaces Seagrass in a Nitrogen Enriched, Phosphorus Limited, Urbanized Estuary <b>Rachel Brewton</b>	Advancing Sustainable Seaweed Food Systems through Traditional Knowledge Sharing <b>Silva Larson</b>	Beyond the Hype: What's Working Across the North American Kelp Industry and Why <b>Kendall Barbery</b>	Towards a genetic framework for photodevelopment in the brown alga <i>Ectocarpus</i> <b>Frej Tulin</b>	12:30 PM - 12:45 PM
Variability In <i>Ascophyllum Nodosum</i> Growth Rates as Determined by Multiyear Sampling across a Wide Geographic Range <b>Bryan Morse</b>	Discussion	Promotion of the Developed Seaweed Drying Technology to Small-Scale Seaweed Farmers <b>Ronel Pangan</b>	Long-Term Trends in Kelp Forests of San Diego: Local Implications for <i>Macrocystis</i> Population Structure and Future Restoration <b>Mohammad Sedarat</b>	12:45 PM - 01:00 PM
Lunch Break <b>Location:</b> Tented Area, Royal BC Museum, 675 Belleville Street				01:00 PM - 02:00 PM
Seaweed Forests in a Warming Ocean: Consequences of Loss and Hopes for the Future <b>Dr. Karen Filbee-Dexter</b>				02:00 PM - 03:00 PM
Poster Session I <b>Location:</b> Pre-Function 1A, Level 1 & Salon BC & Foyer, Level 2				03:00 PM - 04:30 PM
Afternoon Coffee Break				
O 2.14 - Microbiome of Seaweeds 3	MS 2.5 - Global Climate Change, Algal Biodiversity Distribution and Ecology	O 2.15 - Applications of Seaweeds	O 2.16 - Applications: Biopolymers	THEME:
Esquimalt	Salon BC (Carson Hall)	Sidney	Colwood	ROOM:
Significant improvement in <i>Asparagopsis armata</i> seaweed growth using seaweed-derived bacterial probiotics <b>Lucien Alperstein</b>	Marine Algal Biodiversity Change in Hong Kong, China <b>Put Jr Ang</b>	Optimizing the Economic Value of <i>Gracilaria</i> sp. through Multi-stream Zero Effluent Processing Technology <b>Boedi Julianto</b>	Production of Thermoformable Sheets from <i>Ulva</i> Extracts <b>Eitan Salomon</b>	04:30 PM - 04:45 PM
Quantifying Bacterial Assemblages Associated with Both Farmed and Wild Populations of <i>Saccharina Latissima</i> Across the Aquaculture Growing Season in SW England <b>Jasmine Ramshaw</b>	New and Interesting Seaweed Records from the Hakai Area of the Central Coast of British Columbia, Canada: An Update <b>Sandra Lindstrom</b>	SeaMark: Seaweed-based Market Applications can drive the scale-up of seaweed cultivation and processing in Europe <b>Urd Grandorf Bak</b>	Effects of plasticisers on the mechanical and physical properties of sodium alginate films <b>Luke Barnett</b>	04:45 PM - 05:00 PM
Predatory Microorganisms: Missing Component of the Seaweed Holobiont <b>Frederik De Boever</b>	Global Climate Change and Algal Biodiversity Distribution and Ecology <b>Jeong Ha Kim</b>	Screening of Farmed Atlantic Nori Strains: Unlocking Their Full Potential for High-Value Applications <b>Madalena Caria Mendes</b>	From Seaweed To Success: The Remarkable Rise and Fall of the Danish Agar Empire <b>Susan Løvstad Holdt</b>	05:00 PM - 05:15 PM



# TUESDAY, MAY 6

THEME:	MS 2.4 - Diverse Pre-Treatment Processes for Macroalgae Conversion and Utilisation	O 2.12 - Ecology and Reproduction	O 2.13 - Distribution Shifts
ROOM:	Lecture Theatre	Saanich	Oak Bay
05:15 PM - 05:30 PM	Process Optimization and Intensification of Sodium Alginate Production from Sargassum using Chemical Leaching <b>Keeran Ward</b>	Examining Drivers of Spatial and Temporal Trends in the Reproduction of Four Prevalent Intertidal Macrophytes Along the Oregon Coast <b>Megan Davis</b>	Regional Climate Trends Shift Kelp Forest Distribution and Community Structure in Coastal British Columbia <b>Brian Timmer</b>
05:30 PM - 05:45 PM	One Method Does Not Fit All: Investigating Variable Pretreatment and Enzyme Hydrolysis Parameters for Bioethanol Production from Different Seaweeds <b>Emily Kostas</b>	From Fundamental Biology to Successful Life Cycle Control in European Bladed Bangiales (Porphyra/Pyropia) to Advance North Atlantic Nori Cultivation <b>Jessica Knoop</b>	Drivers and Patterns of Macroalgal Community Shifts in the Atlantic Waters of France <b>Anaëlle Bizien</b>
05:45 PM - 06:00 PM	Enzymatic Treatments for the Valorisation of Seaweed Biomass <b>Jessica Adams</b>	Kelp Species Identity and Local Environmental Conditions Drive Patterns in Bryozoan Cover Among Western Canada's Undersea Forests <b>Alyssa Allchurch</b>	Substantial Short-Term Increases in Brown Macroalgal Cover and Total Macroalgal Biomass with Decreased Sea Ice on the Western Antarctic Peninsula <b>Chuck Amsler</b>
06:30 PM - 10:00 PM	<b>25th Anniversary Dinner Gala</b> <b>Location:</b> Crystal Garden		



# TUESDAY, MAY 6

O2.14 - Microbiome of Seaweeds 3	MS 2.5 - Global Climate Change, Algal Biodiversity Distribution and Ecology	O 2.15 - Applications of Seaweeds	THEME:
Esquimalt	Salon BC (Carson Hall)	Sidney	ROOM:
Temporal Changes in Growth and Natural Products Following Bacterial Disruption in the Red Seaweed <i>Asparagopsis Taxiformis</i> <b>Silvia Blanco Gonzalez</b>	Green Alga <i>Halimeda</i> : From Diversity to Applications <b>Jaruwan Mayakun</b>	Optimizing Greener Alginate Extraction from Kelp for Bioplastic Applications <b>Hayley Smith</b>	05:15 PM - 05:30 PM
Towards a Global Understanding of Kelp Holobionts <b>Nathan King</b>	Climate-Induced Range Shifts Shaped the Present and Threaten the Future Genetic Variability of a Marine Brown Alga in the Northwest Pacific <b>Zi-Min Hu</b>	Effects of Supplementing Canadian Derived Sugar Kelp ( <i>Saccharina</i> <i>latissima</i> ) and Red Seaweed ( <i>Mazzaella japonica</i> ) on the Enteric Methane Production of Beef Cattle <b>John Church</b>	05:30 PM - 05:45 PM
	Discussion		05:45 PM - 06:00 PM
<b>25th Anniversary Dinner Gala</b> <b>Location:</b> Crystal Garden			06:30 PM - 10:00 PM





# Tanzania's Seaweed Pioneers

## CULTIVATE



We cultivate more than seaweed—we nurture relationships with thousands of farmers and create economic opportunities in coastal communities.

## SUSTAIN



Our farming methods protect marine ecosystems while our community investments in education, clean water, and healthcare push for lasting opportunities for coastal villages.

## INNOVATE

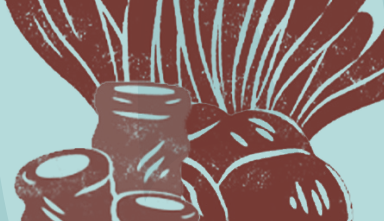


Innovation drives our success through thoughtful solutions that enhance both farmer wellbeing and product quality, while continuously expanding seaweed's applications across industries from food to sustainable materials.

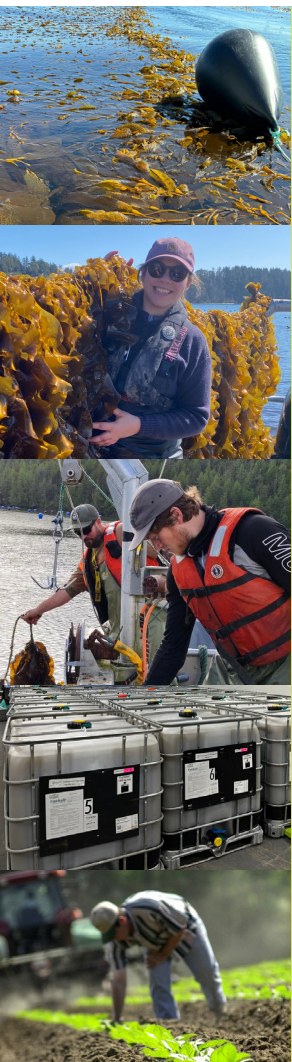
Partner with us: [www.cweedmwani.com](http://www.cweedmwani.com)



# WEDNESDAY, MAY 7



TIME:	SESSION:
09:00 AM - 01:30 PM	<b>Mid-Symposium Tour #4</b> Whale Watching with Eagle Wing Tours Location: Offsite
10:00 AM - 12:00 PM	<b>Dakini Tidal Wilds Drop-In Event</b> Location: Saanich, Level 1
11:00 AM - 01:00 PM	<b>Workshop #7</b> Seaweed Cyanotyping Photography - Location: TBD
01:00 PM - 04:00 PM	<b>Mid-Symposium Tour #9</b> Tour and Social Hour at Industrial Plankton - Location: Offsite
01:00 PM - 05:00 PM	<b>Seaweed on the Silver Screen</b> Location: Lecture Theatre, Level 2
03:00 PM - 04:30 PM	<b>Workshop #8</b> Thalassotherapy: Ocean Medicine for Opulent Health - Location: Sidney, Level 2
04:30 PM - 07:00 PM	<b>Mid-Symposium Tour #10</b> Clover Point Intertidal Tour - Location: Offsite
05:30 PM - 08:00 PM	<b>blueTIDES After Dark</b> Location: CRAFT Beer Market, 450 Swift St, Victoria, BC



# Cascadia SEAWEED

*for a healthy planet*

**Responsibly cultivated kelp  
transformed into biostimulants and  
agrifeeds for large-scale farmers.**

*We also offer nature-based solutions, delivering products and services for kelp restoration, biodiversity monitoring, and the creation of equitable, profitable seaweed value chains.*

**Interested?** Find us in the exhibition hall.

[www.cascadiaseaweed.com](http://www.cascadiaseaweed.com)

***Welcome to  
Victoria,  
British Columbia!***

*The team at  
Cascadia Seaweed  
is pleased  
to support the  
25<sup>th</sup> Anniversary  
of the  
International  
Seaweed  
Symposium!*

***Have a  
wonderful week!***

# THURSDAY, MAY 8

08:30 AM - 09:30 AM	<b>Endeavours to Sustain the Tropical Eucheumatoid Seaweed Farming Industry: Biodiversity Assessment, Biobanking, Phenotyping, Novel Strain Selection, and Revitalizing Farming Practices</b> <b>Dr. Michael Y. Roleda</b> <b>Location:</b> Salon BC, Level 2		
09:30 AM - 10:30 AM	<b>Special Panel - Seaweeds and People</b> <b>Mrs. Melania Lynn Cornish &amp; Dr. Bridgette Clarkston &amp;</b> <b>Location:</b> Salon BC, Level 2		
10:30 AM - 11:00 AM	Morning Coffee Break		
<b>THEME:</b>	<b>MS 3.1 - Challenges in Red Seaweed Cultivation by Vegetative Propagation: Genetic Issues and Solutions from Tropical to Temperate Waters</b>	<b>O 3.1 - Farmed Seaweeds</b>	<b>O 3.2 - Restoration</b>
<b>ROOM:</b>	<b>Lecture Theatre</b>	<b>Saanich</b>	<b>Oak Bay</b>
11:00 AM - 11:15 AM	Eucheumatoid Production in Southeast Asia: Existing Threats and Research Progress in Genetic Selection <b>Phaik Eem Lim</b>	Improving Kelp Production Methods on the West Coast of Scotland – Findings from the ASTRAL Project <b>Kati Michalek</b>	Kelp Forest Restoration Successes & Roadblocks: Insights from the Kelp Rescue Initiative's First 3 Years <b>Jasmin Schuster</b>
11:15 AM - 11:30 AM	Industrial-scale On-land Cultivation of Chondrus crispus and Palmaria palmata in Canada, History and Advancements <b>Jeff Hafting</b>	Optimising the out-planting of Macrocystis pyrifera for cultivation in Southern Australia <b>Wouter Visch</b>	Marine Forest Project: Restoring Oceans, A solution to Climate Change <b>Chae Song Kim</b>
11:30 AM - 11:45 AM	Open-sea cultivation of gracilarioids: The current state of Gracilaria chilensis cultivation in Chile <b>Alejandro Buschmann</b>	Spatial and temporal variation in the biomass composition of the novel New Zealand aquaculture targets Lessonia variegata and Lessonia septentrionalis <b>Rebecca Lawton</b>	Attempt To Estimate the Biomass of the Sargassum Forest by Side Scan Sonar <b>Hajime Okawa</b>
11:45 AM - 12:00 PM	Challenges of Eucheumoid Production in East Indian Ocean Region <b>Sébastien Jan</b>	Impact of long-term seawater temperature rise on wakame aquaculture and development of technology to increase production <b>Yoichi Sato</b>	Could Seaweed Aquaculture Restore Biodiversity? A Study Quantifying Biodiversity in and Around Seaweed Aquaculture in the Faroe Islands <b>Sophie Koch</b>
12:00 PM - 12:15 PM	Land-Based Cultivation of Red Macroalgae in Hawai'i <b>Simona Augyte</b>	Challenges Ahead of the Giant Kelp Farming Industry of China and Solutions to Cope With <b>Shao Jun Pang</b>	Accelerating Kelp Forest Restoration by Understanding and Leveraging Natural Recovery Mechanisms <b>Joshua Smith</b>

# THURSDAY, MAY 8

<b>Endeavours to Sustain the Tropical Eucheumatoid Seaweed Farming Industry: Biodiversity Assessment, Biobanking, Phenotyping, Novel Strain Selection, and Revitalizing Farming Practices</b> <b>Dr. Michael Y. Roleda</b> <b>Location:</b> Salon BC, Level 2	08:30 AM - 09:30 AM
<b>Special Panel - Seaweeds and People</b> <b>Dr. Bridgette Clarkston &amp; Mrs. Melania Lynn Cornish</b> <b>Location:</b> Salon BC, Level 2	09:30 AM - 10:30 AM

*Morning Coffee Break*

10:30 AM - 11:00 AM

O 3.4 - Adaptation to Changing Climate	MS 3.2 - The Indigenous Seaweed Revolution: Building a Collective and Navigating Toward Abundance	O 3.5 - Aquaculture and Harvest Sites	O 3.6 - Regulatory Frameworks	THEME:
Esquimalt	Salon BC (Carson Hall)	Sidney	Colwood	ROOM:
Enhancing Growth and Climate Adaptation in Tropical Red Seaweed Through Depth Cycling <b>Loretta Roberson</b>	Cultivating Seaweed for Carbon Removal While Refusing Offset Models: on the Critical Need for Indigenous, Environmental, and Climate Justice Approaches <b>Andrew Kalani Carlson</b>	Optimising Marine Space: A GIS-Based Assessment of Seaweed Aquaculture Potential and Colocation with Offshore Wind in the UK EEZ <b>Ethan Clark</b>	Building Washington State's Plan for Kelp and Eelgrass Recovery: Lessons Learned for Global Practitioners <b>Cynthia Harbison</b>	11:00 AM - 11:15 AM
How Bacteria Colonize the Kelp <i>Saccharina Latissima</i> throughout the Farming Cycle <b>Siobhan Schenk</b>	An Example of Inherited Stewardship ( Kaitiakitika ) in Te Wai Pounamu, New Zealand <b>Suzi Flack</b>	Expanding the Capacity for Culinary Seaweed Cultivation and Use in Southern California <b>Kalani Ortiz</b>	From Potential to Profit: Strategic Challenges and Opportunities in European Seaweed Cultivation <b>Sander Van Den Burg</b>	11:15 AM - 11:30 AM
How To Support the Adaptation of the Red Seaweed Supply Chain in Tanzania to Environmental Shocks and Stresses? <b>Virginie Le Masson</b>	Building Pilina: A Foundation for Community-Driven Restoration of Limu Kohu ( <i>Asparagopsis taxiformis</i> ) <b>Samantha Emmsley</b>	Open Water Cultivation Potential of <i>Saccorhiza Polyschides</i> – A Scottish Case Study <b>Michele Stanley</b>	A Landscape View of <i>Ascophyllum Nodosum</i> (L.) Le Jolis Management and Harvesting Impacts in Southwestern Nova Scotia Canada <b>Glyn Sharp</b>	11:30 AM - 11:45 AM
Genetic Outcomes of Kelp Forest Restoration <b>Georgina Wood</b>	Incorporating Indigenous Insights: Practical Approaches to Cultural Consciousness in the Workplace <b>Kaleiolani Haanio Pasciuta</b>	Mapping Submerged Wild Kelp Biomass on the East Coast of Canada using Topo-bathymetric Lidar <b>Tim Webster</b>	Interactive Mapping of Submerged Aquatic Vegetation at Scale Using Satellite Technology <b>Joshua Jon van Berkel</b>	11:45 AM - 12:00 PM
Climate Change Impacts on Kelp Early Life-Stages: The Influence of Temperature and Salinity <b>Veronica Farrugia Drakard</b>		Sustainability of Wild Seaweed Harvesting along the South African Coastline <b>Deidre Du Toit</b>	Policy Insights and Lessons Learned in Scaling Tropical Seaweed Cultivation in Malaysia: The Seaweed Intervention Programme (SIP) Analysis <b>Adibi Rahiman Nor</b>	12:00 PM - 12:15 PM



# THURSDAY, MAY 8

THEME:	MS 3.1 - Challenges in Red Seaweed Cultivation by Vegetative Propagation: Genetic Issues and Solutions from Tropical to Temperate Waters	O 3.1 - Farmed Seaweeds	O 3.2 - Restoration
ROOM:	Lecture Theatre	Saanich	Oak Bay
12:15 PM - 12:30 PM	Generating New Eucheumatoid Cultivars by Mutagenesis in a Background of Vegetative Propagation <b>Shashibhushan N B</b>	The Efficacy of Seeding from Gametophytes in Nova Scotian Sugar Kelp Aquaculture <b>Kit Tymoshuk</b>	Learning through Action: Experimental Bull Kelp Restoration Provides Insights on Decline and Pathways to Recovery <b>Hilary Hayford</b>
12:30 PM - 12:45 PM	Discussion	The Seaweed Potential of India; Status and Road Ahead <b>Stefan Kraan</b>	Automated Techniques in Estimating Seaweed Biomass on Reefs <b>Sasi Nayar</b>
12:45 PM - 01:00 PM		Land-Based Systems Facilitate Selective Breeding Advancements for Open Ocean Seaweed Aquaculture <b>Daniel Gossard</b>	A Worldwide Review of Harvesting Regulations for <i>Ascophyllum nodosum</i> in Relation To Ecosystem-Based Management <b>Jean-Sebastien Lauzon-Guay</b>
01:00 PM - 02:00 PM	Lunch Break		
02:00 PM - 03:00 PM	<b>Innovation Challenges in Seaweed Aquaculture</b> <b>Dr. Jang K. Kim</b> <b>Location:</b> Salon BC, Level 2		
03:00 PM - 04:30 PM	<b>Poster Session II</b> <b>Location:</b> Pre-Function 1A, Level 1 & Salon BC & Foyer, Level 2		
	Afternoon Coffee Break		



# THURSDAY, MAY 8

O 3.4 - Adaptation to Changing Climate	MS 3.2 - The Indigenous Seaweed Revolution: Building a Collective and Navigating Toward Abundance	O 3.5 - Aquaculture and Harvest Sites	O 3.6 - Regulatory Frameworks	THEME:
Esquimalt	Salon BC (Carson Hall)	Sidney	Colwood	ROOM:
Effects of pH, temperature and light on the carbon metabolism of early life stages of <i>Macrocystis pyrifera</i> (Ochrophyta, Laminariales) <b>Barbara Labbe</b>	Nuu chah nulth Seaweeds: A West Coast Whaling Perspective on First Nation Use and Governance of Intertidal Resources. <b>Kristine Gatzke</b>	A Risk Assessment of <i>Gracilaria Vermicophylla</i> in Danish Fjords Waters and Its Potential to Become a Candidate for Land IMTA Systems <b>Susan Løvstad Holdt</b>	Analysis of Socio-political Elements of the Emerging British Columbia Kelp Aquaculture Industry <b>Taylor Reidlinger</b>	12:15 PM - 12:30 PM
Kelp Extent and Cover Across the Canadian Arctic: Improved Dataset and Bayesian Modeling <b>Camille Lavoie</b>	Seaweed: Bridging Aboriginal Knowledge and Modern Innovation <b>Sarah Gorst</b>	Asparagopsis in the Great Barrier Reef: Ecological Insights for Sustainable Utilisation <b>Najeen Arabelle Rula</b>	Unlocking the Potential of Africa's Seaweed Sector for Sustainable Blue Economy Development <b>Bernice McLean</b>	12:30 PM - 12:45 PM
Spotlight on the canopy, shadows on the understory: gaps in kelp thermal tolerance research <b>Rosie Harris</b>	Extending the yarn: in conversation with Indigenous elders on cultural connections to Sea Country and the importance of Traditional Knowledge in protecting coastal ecosystems <b>Ken Jones</b>	Unintended consequences of using inorganic fertilizer in commercial tropical eucheumatoid seaweed farming <b>Michael Y. Roleda</b>	Products from Farmed Seaweed: Recommendations for Precautionary Marine Allergen Labelling <b>Céline Rebours</b>	12:45 PM - 01:00 PM
Lunch Break				01:00 PM - 02:00 PM
Innovation Challenges in Seaweed Aquaculture Dr. Jang K. Kim Location: Salon BC, Level 2				02:00 PM - 03:00 PM
Poster Session II Location: Pre-Function 1A, Level 1 & Salon BC & Foyer, Level 2				03:00 PM - 04:30 PM
Afternoon Coffee Break				

# THURSDAY, MAY 8

Theme	MS 3.3 - Coralline Algal Evolution and Their Responses to Climate Change	O 3.7 - Restoration Methods	O 3.8 - Aquaculture Methods
Room	Lecture Theatre	Saanich	Oak Bay
04:30 PM - 04:45 PM	Effects of Ocean Acidification on Coralline Algae in the Context of Multiple Drivers of Climate Change <b>Christopher Cornwall</b>	Advancing Bull Kelp Restoration Using Arrays to Recover Kelp Ecosystem Vegetation (Arkev) and Vegetative Drift Kelp Supplements <b>Tristin Anoush McHugh</b>	A Review of the Ecological Impact of the Harvest of <i>Ascophyllum Nodosum</i> in the North Atlantic <b>Raul Ugarte</b>
04:45 PM - 05:00 PM	Predicting CO2 Budgets Across Diverse Coralline Lineages <b>Luka Wright</b>	Enabling Scalable Restoration for Marine Ecosystem Resilience <b>Majid Hajibeigy</b>	Kelp Hatchery Innovation; Natural Fibers and Novel Fertilizer <b>Tamsen Peeples</b>
05:00 PM - 05:15 PM	Transgenerational Coralline Algal Growth and Recruitment in Response to Future Drivers of Global Change <b>Denisa Berbece</b>	Exploring the Potential for Multiple Kelp Recovery Techniques to Produce Self-Sustaining Bull Kelp Forests <b>Benjamin Grime</b>	Precision' V 'Traditional' kelp farming; How do they differ and which path allows for large scale kelp farming and rewilding on an industrial scale <b>Alexander Ebbing</b>





# THURSDAY, MAY 8

O 3.9 - Gastronomy	MS 3.4 - Genomics and Selectively Breeding Economically Important Kelp of the Eastern Pacific and North Atlantic	O 3.10 - IMTA	O 3.11 - Carbon Cycling 2	Theme
Esquimalt	Salon BC (Carson Hall)	Sidney	Colwood	Room
Seaweed and the Portuguese Gastronomy <b>Helena Abreu</b>	Genomic Approaches to Investigate Brown Algal Biology and Support Brown Algal Breeding <b>J. Mark Cock</b>	Cultivation of Ulva Mutabilis in Association to a Land-Based Sole Aquaculture <b>Aires M. Duarte</b>	Quantifying the Carbon Sequestration Potential of Kelp Farming <b>Maxine Canvin</b>	04:30 PM - 04:45 PM
Residual Macroalgal Biomass for Single Cell Protein (SCP) Production through Fermentation Using Sequential Bioreactors <b>Maria Teresa Cesário</b>	A Reference Genome for North American Saccharina Latissima: Advancing Kelp Breeding through Development of Genomic Tools <b>Kelly DeWeese</b>	Composition and Morphometric Variations of Kelp Co-Cultivated with Atlantic Salmon in an Integrated Multi-Trophic Aquaculture System in Ireland <b>Hussein Ahmad Hussein Qulatein</b>	Algae To Alkanes: New Insights into the Potential of Alkanes as Detrital Biomarkers from Kelp Degradation Experiments <b>Stina Kolodzey</b>	04:45 PM - 05:00 PM
Optimizing Seaweed Fermentation: The synergistic role of lactic acid bacteria and yeast for a safe preservation <b>Cecilie Heide</b>	Enhancing Sugar Kelp Breeding (Saccharina Latissima) Efficiency Using Genomic Selection <b>Yaoguang Li</b>	Diversification of Aquaculture Production and Development for High Added Value Markets (Dival) <b>Rémy Michel</b>	Incremental Stable Isotope Analysis of Polar Macroalgae: An Insight into Seasonal and Multi-Annual Growth and Nutrient Cycles <b>Freya Alldred</b>	05:00 PM - 05:15 PM

# THURSDAY, MAY 8

Theme	MS 3.3 - Coralline Algal Evolution and Their Responses to Climate Change	O 3.7 - Restoration Methods	O 3.8 - Aquaculture Methods
Room	Lecture Theatre	Saanich	Oak Bay
05:15 PM - 05:30 PM	Comparing Physiological and Molecular Responses of Coralline Algae to Climate Stress <b>Emmaeve Jourdain</b>	Assessing An Understory Alga's (Desmarestia Sp.) Ability to Inhibit Urchin Grazing and Promote Bull Kelp Survivability <b>Brayden Wiley</b>	Advances in Hatchery Research for Kelps in Southern Australia <b>Jakop Schwoerbel</b>
05:30 PM - 05:45 PM	Is Colour a Reliable Metric of Stress in Coralline Algae? <b>Elliot Porcher</b>	Biochar: A Supplemental Material to Increase Survivability and Scalability of Kelp Cultivation and Habitat Restoration <b>Bruce Bradley</b>	Creating Opportunities for Bull Kelp (rimurapa) Aquaculture <b>Jessica Roach</b>
05:45 PM - 06:00 PM	Calcification in Coralline algae <b>Michael Borowitzka</b>	Seaweed, People and Place <b>Kelsey Miller</b>	Exploring Temperature Priming to Enhance Growth and Stress Tolerance in Saccharina Latissima for Kelp Aquaculture <b>Niko Steiner</b>
06:30 PM - 08:00 PM	<b>Early Career Researchers Panel Discussion</b> <b>Location:</b> Lecture Theatre		
	<b>Industry Night</b> <b>Location:</b> Parkside Hotel, 810 Humboldt Street, Victoria, BC		

# THURSDAY, MAY 8

O 3.9 - Gastronomy	MS 3.4 - Genomics and Selectively Breeding Economically Important Kelp of the Eastern Pacific and North Atlantic	O 3.10 - IMTA	O 3.11 - Carbon Cycling 2	Theme
Esquimalt	Salon BC (Carson Hall)	Sidney	Colwood	Room
Using Multispectral Imaging (MSI) to Evaluate Physicochemical-, Antioxidant-, and Sensorial Properties of Cultivated Brown Seaweed <b>Anna Thora Hrólfsdóttir</b>	A Scaffolded and Annotated Reference Genome of Giant Kelp ( <i>Macrocystis pyrifera</i> ) <b>Gary Molano</b>	Why Ulva in Land-Based IMTA with Invertebrates Works Commercially in South Africa: Cost Saving and Circularity, Feed Provision, Microbiome Enhancement and System Health <b>John Bolton</b>	Comparing Carbon Standing Stock Estimates Between Kelp Beds in the Southern Salish Sea <b>Miranda Roethler</b>	05:15 PM - 05:30 PM
	Genomic and Genetic Tools for Kelp Improvements <b>Michael Marty-Rivera</b>	Seaweed Solutions – Innovative-high Moisture Ensiling for a Circular Bioeconomy <b>Priya Pollard</b>	Kelp Forests as an Emerging Blue Carbon Pathway: Dissolved Organic Carbon (DOC) from <i>Macrocystis pyrifera</i> In Response to Temperature and Seasonality <b>Lais Lima</b>	05:30 PM - 05:45 PM
	Discussion			05:45 PM - 06:00 PM
<b>Early Career Researchers Panel Discussion</b> <b>Location:</b> Lecture Theatre				06:30 PM - 08:00 PM
<b>Industry Night</b> <b>Location:</b> Parkside Hotel, 810 Humboldt Street, Victoria, BC				





# FRIDAY, MAY 9

08:30 AM - 09:30 AM	<b>Breaking the Myth of Seaweed Climate Benefits: Pros and cons of Carbon Reduction and Removal Strategies</b> <b>Dr. Catriona L. Hurd &amp; Dr. Jean-Baptiste Thomas</b> <b>Location:</b> Salon BC, Level 2		
09:30 AM - 10:00 AM	Coffee Break		
<b>THEME:</b>	<b>MS 4.1 - Advancing the Blue Economy through Ulva Cultivation: Insights from the COST Action - SeaWheat</b>	<b>O 4.1 - Kelp Genomics and Strain Development</b>	<b>O 4.2 - Aquaculture Methods 2</b>
<b>ROOM:</b>	<b>Lecture Theatre</b>	<b>Saanich</b>	<b>Oak Bay</b>
10:00 AM - 10:15 AM	SeaWheat COST Action – Ulva: Tomorrow's Wheat of the Sea: A Model for Innovative Mariculture <b>Muki Shpigel</b>	Future Ocean Warming Negatively Impacts Coastal Facilitation: The Decline of a Key Foundation Species <b>Lucinda Kraufvelin</b>	Growing Nereocystis luetkeana (Bull Kelp) for Commercial Mariculture in Alaska <b>Michael Stekoll</b>
10:15 AM - 10:30 AM	Ulva in Food, Feed, Biomaterials and Beyond <b>Laurie C. Hofmann</b>	Population Genomics of Saccharina latissima and Laminaria digitata Along the Coast of Maine <b>Rene Francolini</b>	Aeration and Power Requirements for CO <sub>2</sub> -Replete Cultivation of the Red Seaweed Devaleraea Mollis (Pacific Dulse) in Land-Based Systems <b>Gregory Rorrer</b>
10:30 AM - 10:45 AM	Ecosystem Services of Ulva: A Systematic Review of Their Role in Natural and Cultivated Environments and Contribution to the Sustainable Development Goals <b>Annette Bruhn</b>	Landscape genomics of wild sugar kelp populations in Quebec and Nova Scotia: a tool for supporting the long-term sustainability of the seaweed aquaculture industry of the Canadian Atlantic coast <b>Flora Salvo</b>	On-land Dulse Cultivation: Ensuring Consistent and Sustainable Production <b>Leila Hayashi</b>
10:45 AM - 11:00 AM	Assessing Tomorrow's Packaging: A Life Cycle Study of Seaweed vs. Sugarcane-Based Alternatives <b>Karina Balina</b>	Improving the farm while protecting the wild: understanding drivers of genetic differentiation in kelp <b>Griffin Hill</b>	High Irradiance Is Required for Fast Growth of Ulva Spp.: Effects of Environmental Conditions on The Growth, Total Carbohydrate Content and Chlorophyll Fluorescence Parameters of a Tubular and Foliar Species <b>Julie Grivotte</b>



# FRIDAY, MAY 9

## Breaking the Myth of Seaweed Climate Benefits: Pros and cons of Carbon Reduction and Removal Strategies

Dr. Catriona L. Hurd & Dr. Jean-Baptiste Thomas

Location: Salon BC, Level 2

08:30 AM -  
09:30 AM

Coffee Break

09:30 AM -  
10:00 AM

O 4.3 - Strain Selection	MS 4.2 - State of the World's Kelp Forests	O 4.4 - Ecology of Algal Blooms 2	O 4.5 - Response to Environmental Change	THEME:
Esquimalt	Salon BC (Carson Hall)	Sidney	Colwood	ROOM:
Nursery development for aquaculture of southern bull kelp <i>Durvillaea potatorum</i> (order Fucales) <b>Wouter Visch</b>	Status and trends of the world's kelp forests: kelp stressors and declines <b>Kira Krumhansl</b>	Structure matters: Different canopy kelps foster distinct biological assemblages <b>Claire Attridge</b>	Using Museum Seaweed Herbaria to Investigate Past Nitrogen Pollution <b>Freya Aildred</b>	10:00 AM - 10:15 AM
Optimisation Of Gametophyte Culturing And Seeding Methods For The Novel Kelp Aquaculture Target <i>Ecklonia Radiata</i> <b>Rebecca Lawton</b>	State of protection of the world's kelp forests <b>Jennifer Caselle</b>	One of these canopies (is not like the other); biodiversity and biomass contrasts between <i>Macrocystis</i> and <i>Nereocystis</i> kelp forests in British Columbia <b>Online Pontier</b>	Unveiling key drivers of nutrient uptake in commercially important eucheumatoids: focal environmental and biological factors <b>Bienson Ceasar Narvarte</b>	10:15 AM - 10:30 AM
Direct Seeding enables scaling of kelp farming <b>Job Schipper</b>	The Kelp Forest Challenge: Current Progress and Funding Strategies for Future Success <b>Adriana Verges</b>	Cameras, Computers, and Collaboration: Cutting Edge Approaches to Understanding Dynamics of Fish Biodiversity in Temperate Kelp Farms <b>Colin Bates</b>	The Kelp Node: Establishing a Transboundary Kelp Network <b>Margot Hessing-Lewis</b>	10:30 AM - 10:45 AM
National Hatchery Network: contributing to the Australian Seaweed Industry through advancements in hatchery technology for <i>Asparagopsis</i> spp. ( <i>Bonnemaisoniales</i> , <i>Rhodophyta</i> ) <b>Aline Paternostro Martins</b>	What Matters in Indigenous-Led Kelp Forest Stewardship and Restoration <b>Lynn Lee</b>	Seaweed and Kelp Forests in the Central Kitikmeot: Baseline Assessments and Biodiversity Patterns <b>Amanda Savoie</b>	Consequences of Canopy Loss on the Ability of Understory Kelp to Withstand Marine Heat Waves <b>Dillon Dolinar</b>	10:45 AM - 11:00 AM

# FRIDAY, MAY 9

THEME:	MS 4.1 - Advancing the Blue Economy through Ulva Cultivation: Insights from the COST Action - SeaWheat	O 4.1 - Kelp Genomics and Strain Development	O 4.2 - Aquaculture Methods 2
ROOM:	Lecture Theatre	Saanich	Oak Bay
11:00 AM - 11:15 AM	Regulations and Policies for the Ulva Production in Europe: Responsible Research and Innovation, Convention of Biological Diversity, Nagoya Protocol and Environmental Economic Accounts <b>Céline Rebours</b>	The molecular basis of temperature priming for growth and resilience in <i>Saccharina latissima</i> <b>Anne M. L. Nilsen</b>	Temperature effects on Northern European Ulva biomass yields and quality in high nutrient cultures: Perspectives on seaweed production in land-based systems <b>Kristoffer Larsen-Ledet</b>
11:15 AM - 11:30 AM	Ulva Production in IMTA-RAS: Biofiltration and More <b>José Pintado</b>	Quantitative Trait Loci (QTL) mapping of heat tolerance and growth in the sugar kelp <i>Saccharina latissima</i> <b>Clément Gauci</b>	Identifying Suitable Kelp and Materials for Aquaculture of <i>Macrocystis pyrifera</i> <b>Wouter Visch</b>
11:30 AM - 11:45 AM	Ulva Grown on Waste Streams, Allergen Free and Magnesium Rich <b>Stefan Kraan</b>	Agrobacterium-mediated transformation of <i>Macrocystis pyrifera</i> (giant kelp) gametophytes to understand gene function in giant kelp <b>Brandon Vong</b>	
11:45 AM - 12:00 PM	Discussion		
12:00 PM - 01:00 PM	Closing Ceremony Location: Salon BC, Level 2		



# FRIDAY, MAY 9

O 4.3 - Strain Selection	MS 4.2 - State of the World's Kelp Forests	O 4.4 - Ecology of Algal Blooms 2	O 4.5 - Response to Environmental Change	THEME:
Esquimalt	Salon BC (Carson Hall)	Sidney	Colwood	ROOM:
The reproductive potential of Eucheuma isiforme carposporophyte characterization and induction of carpospores release by exogenous inducers <b>Montserrat Lopez-Yllescas</b>	Where Kelp Forests Sit in International Policy and the Global Biodiversity Framework <b>Aaron Eger</b>	Sea Cabbage (Hedophyllum sessile): Fluctuating canopy cover and the impact on understory community assemblages <b>Angelina Zuelow</b>	Prostrate “canopy” kelps on the coast of Vancouver Island, Canada <b>Bridget Maher</b>	11:00 AM - 11:15 AM
Triphasic Life Cycle Progression of novel Kappaphycus alvarezii strains under mesocosm conditions <b>Lourie Ann Hinaloc</b>	Art & Algae: Experimentation, Play, (And Failures) Of Artmaking Are Essential For Revealing This Ocean Intimacy To Our Human Hearts <b>Josie Iselin</b>	Accidental holdfast removal and macroinvertebrate bycatch caused by commercial harvesting of Ascophyllum nodosum <b>Alison Feibel</b>		11:15 AM - 11:30 AM
Optimizing culture conditions for micropropagation of Codium tomentosum <b>Isabel Sousa Pinto</b>	Discussion	Temporal Shifts in Biodiversity and Fauna Composition Associated with Norwegian Macroalgae Ecosystems <b>Karine Gagnon</b>		11:30 AM - 11:45 AM
		A holistic perspective on the structure and function of subarctic rhodolith beds <b>Patrick Gagnon</b>		11:45 AM - 12:00 PM
Closing Ceremony Location: Salon BC, Level 2				12:00 PM - 01:00 PM





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