

# SYMPOSIUM PROGRAM

10-11th May, 2022

Wrest Point, Hobart, Tasmania Tasman Room

SUPPORTED BY:











#### THE **SYMPOSIUM**

The Blue Economy Cooperative Research Centre is hosting the 2022 Tasmanian Salmon Symposium.

Global initiatives, including the UN Decade of Ocean Science for Sustainable Development and the High Level Panel for a Sustainable Ocean Economy, are building momentum for a sustainable ocean economy in which effective protection, sustainable production, carbon neutrality and equitable prosperity go hand in hand. Sustainable aquaculture, offshore renewable energy and protection of habitats and biodiversity are core elements of a sustainable ocean economy.

Building on the 2017 Planning for a Blue Future Global Salmon Conference in Tasmania, this symposium will examine and discuss issues in international best practice, research and developments in contemporary offshore and associated land-based aquaculture systems.

The symposium will consider ethics, values and social licence of aquaculture in offshore environments. We will consider the risks and opportunities of moving into offshore environments including innovative ocean accounting, opportunities for multispecies and integrated multitrophic aquaculture, offshore engineering and innovative technologies, responsible feed production and low carbon farming technologies.

The outcomes of this symposium will inform the Tasmanian Government's next 10-year Salmon Future Directions Plan.

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The Blue Economy CRC brings together 43 industry, government, and research partners from ten countries with expertise in aquaculture, marine renewable energy, maritime engineering, environmental assessments and policy and regulation. Its purpose to perform world-class, collaborative, industry-focused research and training that underpins the growth of the Blue Economy through increased offshore sustainable aquaculture and renewable energy production.

## TUESDAY 10th MAY

	TIME	SESSION NAME	SESSION OVERVIEW	SPEAKER			
	8am -	Registration	Exhibition Foyer				
	9am		Coffee and tea on arrival				
	SESSION #1						
TUESDAY 10TH MAY	9am - 10:30am	Welcome	Official Welcome, Welcome to Country and Opening Address	Facilitator: Ms Kym Goodes Welcome: John Whittington, CEO, Blue Economy CRC Opening Address: Honourable Jo Palmer MLC, Minister for Primary Industries and Water, Minister for Disability Services, Minister for Women			
		Keynote Presentation: Australia's ocean story: what does success look like?	In 2017 the United Nations declared 2021-2030 The Decade of Ocean Science for Sustainable Development with a vision to deliver the science we need for the ocean we want. The global community, including many Australians, worked together to develop the mission of the Ocean Decade and the outcomes required for attaining 'the ocean we want' by 2030 – the Ocean Decade Framework. Australians have a deep connection to the ocean – but our approach is currently fragmented. To bring about the systemic change required to achieve the 'ocean we want' it is broadly acknowledged that there is a need for a step-change in the relationship humans have with the ocean. A 'new blue deal' that connects up behaviour and action, takes advantage of the opportunities that the ocean has to offer, and that develops a methodology to measure progress. Founded in 2020, Ocean Decade Australia (ODA) has been coordinating a national dialogue for Australia's ocean stakeholders to understand what success looks like and how it might be measured to ensure a sustainable ocean future.	Ms Jas Chambers, Chair, Ocean Decade Australia			
	10:30am - 11am	∭ MORNING TEA BREAK					
	SESSION #2						
	11am - 12:30pm	Sustainable aquaculture in 2033 - Visions for aquaculture in 10 years time Visions for the future followed by panel and Q&A	The session aims to energise and challenge the audience by providing a diverse set of high-level views about sustainable aquaculture in 10 years time. A vision should be global but may focus on specific challenges, regions or themes such as nutritional security, carbon neutral, circular economy, systems and integration, stable food systems, feed-aquaculture systems, multispecies and Integrated Multi-Trophic Aquaculture (IMTA).	Presenters & panel:  » Dr Albert Tacon, Founder & Owner, AquaHana LLC  » Dr Richard Cottrell, Research Fellow, Institute for Marine and Antarctic Studies, University of Tasmania  » Prof Charles Sampford, Director, The Institute for Ethics, Governance & Law, Griffith University  » Mr David Whyte, Managing Director, Biomar Pty Ltd			
	12:30pm - 1:30pm		LUNCH BREAK				

	TIME	SESSION NAME	SESSION OVERVIEW	SPEAKER		
TUESDAY 10TH MAY	SESSION #3					
	1:30pm - 3pm	Technology and systems for future ocean aquaculture Followed by Q&A	The session aims to inform through presentations around technology and integrated systems that will be required for ocean aquaculture. Speakers will consider future structures for farming, integration of structures, and may include the role of on-shore technology such as RAS. The session also aims to provide thinking about future technology to support ocean aquaculture based on predictions from experts in different sectors. Expert speakers are asked to focus on specific technologies from their perspective.	<ul> <li>Dr Cristian Cifuentes, Researcher and R&amp;D Coordinator for Engineering, Universidad Austral de Chile</li> <li>Mr Per Arild Aland, Business Development Manager - Offshore, DNV</li> <li>Dr. Langley Gace, SVP, Business Development, Innovasea</li> </ul>		
	3pm -	≈ AFTERNOON TEA BREAK				
	3:30pm					
	SESSION #4					
	3:30pm - 4:10pm	International perspectives for future ocean aquaculture (Part A) Followed by Q&A	The global importance of growing sustainable aquaculture is well recognised. This sessions aims to share international perspectives on how sustainable aquaculture is developing in other regions and countries. The speakers will consider what could be achieved in their domain in the next 10 years.	<ul> <li>» Dr Lien Loosvelt, Innovation Manager Aquaculture, De Blauwe Cluster</li> <li>» Mr Torgeir Torgersen, Ship Designer - Project Manager, NSK Ship Design</li> <li>» Mr Gary Hooper, CEO, Aquaculture New Zealand</li> </ul>		
	SESSION #5					
	4:15pm - 4:55pm	Healthy Fish, Healthy Feed, Healthy Food Followed by Q&A	Future focus on aspects of ocean aquaculture production supply chain: fish production with commentary on health and welfare; sustainable feeds and accountable ingredient use; to result in health high value seafood. Other aspects will also be included in an extended session. May include circular economy.	<ul> <li>» Dr Anna Farmery, Senior Research Fellow, University of Wollongong</li> <li>» Mr Duncan Leadbitter, Director, Aquaculture Stewardship Council Australia</li> <li>» Mr Jorge Diaz, Global Sustainability Manager, Skretting</li> </ul>		
	SESSION #6					
	4:55pm – 5pm	Closing remarks	Salmon Symposium closing remarks for the day	Mr Greg Johannes, Chair, Blue Economy CRC		

## WEDNESDAY 11th MAY

	TIME	SESSION NAME	SESSION OVERVIEW	SPEAKER			
	8:30am	Registration	Exhibition Foyer				
	9am		Coffee and tea on arrival				
	SESSION #1						
	9am - 10:30am	International perspectives for future ocean aquaculture (Part B) Followed by Q&A	The global importance of growing sustainable aquaculture is well recognised. This session aims to share international perspectives on how sustainable aquaculture is developing in other regions and countries. The speakers will consider what could be achieved in their domain in the next 10 years.	<ul> <li>» Prof Elena Mente, Aristotle University of Thessaloniki</li> <li>» Prof Daniel Benetti, Director of Aquaculture, University of Hawaii</li> <li>» Dr Gonzalo Tampier, Associate Professor, Universidad Austral de Chile</li> <li>» Dr Mark Powell, CEO Marineholmen RASLab Norway</li> </ul>			
	10:30am - 11am	∭ MORNING TEA BREAK					
	SESSION #2						
EDNESDAY 11TH MAY	11:05am - 11:50pm	Integration in future ocean aquaculture	The session aims to provide perspective pieces that highlight thinking about support systems for future aquaculture and how these might advance by 2032. Topics might include planning, models and modelling, business management and economic drivers, workforce expectations, integration of AI, robotics and other technology, health and safety. Expert speakers are asked to focus on specific sectors from their perspective.	<ul> <li>» Dr Beth Fulton, Principal Research Scientist, CSIRO</li> <li>» Ms Lily Stuart, Research and Engagement Manager, Oceans and Biodiversity, FAIRR Initiative</li> <li>» Dr Albert Tacon, Founder &amp; Owner, AquaHana LLC</li> <li>» Mr Gary Hooper, CEO, Aquaculture NZ</li> </ul>			
	SESSION #3						
WE	11:55am - 12:40pm	What can future ocean aquaculture deliver to society?  Panel & Q&A	This session aims to consider the contribution of ocean aquaculture in a holistic sense. Panel members will consider what they have heard in the symposium as well as bring their own perspectives. Panel members will each give a short verbal address before the panel responds to participants questions.	<ul> <li>» Ms Sue Grau, CEO, Tasmanian Salmonid Growers Association</li> <li>» Dr. Beth Fulton, Principal Research Scientist, CSIRO</li> <li>» Mr Gary Hooper, CEO, Aquaculture New Zealand</li> <li>» Prof Charles Sampford, Director, The Institute for Ethics, Governance &amp; Law, Griffith University</li> <li>» Dr Albert Tacon, Founder &amp; Owner, AquaHana LLC</li> <li>» Mr Patrick Hone, Managing Director, Fisheries Research and Development Corporation</li> </ul>			
	SESSION #4						
	12:45pm - 1pm	Closing remarks	Salmon Symposium closing remarks for the day	Mr Greg Johannes, Chair, Blue Economy CRC			
	1pm		TAKEAWAY LUNCH				



# A COVID SAFE EVENT

This event is being run according to the Tasmanian COVID-19 Safe Events and Activities guidelines. If you are planning to attend in person you agree to the following conditions of attendance:



KEEP 1.5 METRES
AWAY FROM OTHERS
WHEREVER POSSIBLE



AVOID PHYSICAL
GREETINGS SUCH AS
HANDSHAKING



PRACTICE GOOD HYGIENE

Delegates are requested to not attend if they have fever or symptoms of respiratory infection (cough, sore throat, shortness of breath)

image courtesy of Huon Aquaculture





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