National SCIENCE Challenges

SUSTAINABLE SEAS

Ko ngā moana whakauka

Annual Conference programme

5 - 7 November 2018

Mac's Function Centre, 4 Taranaki St Wharf, Wellington

Monday 5 November 2018

8.45 - 9.30	Registration
9.30 - 10.10	Mihimihi by Te Ātiawa
	Welcome Sir Rob Fenwick, Chair, Sustainable Seas NSC Introduction Julie Hall, Director, Sustainable Seas NSC
10.10 - 10.40	Morning tea
10.40 - 12.10	Enabling ecosystem-based management
	Introduction: Ecosystem-based management principles for Aotearoa Carolyn Lundquist, NIWA/University of Auckland
	Participatory processes for multi-use marine environments Richard Le Heron, University of Auckland
	Understanding values for ecosystem-based management Jim Sinner, Cawthron Institute
	Tūhonohono: Tikanga Māori and the Law Robert Joseph, University of Waikato
	Community Engagement in EBM: The Ōngātoro/Maketū Estuary Restoration Patrick Barrett
	Mauri Moana, Mauri Tangata, Mauri Ora: How do New Zealanders value marine ecosystems? Shaun Awatere, Manaaki Whenua Landcare Research
	Lessons learnt in Tasman and Golden Bays Judi Hewitt, NIWA/University of Auckland
	Questions and discussion Chair: Janet Stephenson, University of Otago
12.10 - 13.10	Lunch
13.10 - 14.30	Towards a sustainable blue economy for Aotearoa
	Introduction Judi Hewitt, NIWA/University of Auckland
	Transitioning in practice: plotting pathways to a blue economy in Aotearoa - New Zealand Nick Lewis, University of Auckland
	Huataukīna Tō Iwi E: Bioactives from Tairāwhiti kīna Matt Miller, Cawthron Institute
	Understanding the social licence of NZ marine industries Jim Sinner, Cawthron Institute
	Early detection of HAB (harmful algal blooms) Jonathan Banks, Cawthron Institute
	Linking biodiversity and marine ecosystem values using ecosystem services Vera Rullens, University of Waikato
	Coastal acidification mitigation strategies Cliff Law, NIWA
	Whai Rawa, Whai Mana, Whai Oranga: Creating a world-leading indigenous blue marine economy John Reid, University of Canterbury. Shaun Awatere, Landcare Research. Jason Mika, Massey University
	Questions and discussion Chair: Judi Hewitt, NIWA/University of Auckland
14.30 - 15.40	Developing EBM decision-making tools
	Introduction Chris Cornelisen, Cawthron Institute
	Ecosystem models: Atlantis Vidette McGregor, NIWA
	Interactive tools: Tracking plastic in the ocean Heni Unwin, Cawthron Institute
	Interactive tools: Bayes Net tool for Tasman-Golden Bays Ross Vennell, Cawthron Institute
	Defining the marine habitat used by seabirds David Thompson, NIWA
	Incorporating multiple stressors in decision support tools Richard Bulmer, NIWA
	Questions and discussion Chair: Chris Cornelisen, Cawthron Institute
15.40 - 16.15	Afternoon tea
16.15 - 17.30	Session for Māori research partners and stakeholders The main aim of this session is to encourage discussion. There will be a brief presentation on Phase 1 research highlights and the plans for Phase 2 followed by a panel discussion. Chair: Rob Murdoch, NIWA/Ministry of Business, Innovation and Employment
17.30 - 19.00	
17.50 15.00	contenence annual postero, ser art ana aigitar toolo

Tuesday 6 November 2018

8.30 - 9.00	Registration
9.00 - 10.25	Understanding degradation and recovery (Part 1)
	Introduction Conrad Pilditch, University of Waikato
	Ecosystem connectivity: tracking biochemical fluxes to inform EBM Steve Wing, University of Otago
	Tipping points - soft sediments Candida Savage, University of Otago
	Stressor footprints and dynamics Craig Stevens, NIWA/University of Auckland
	Te Tāhuhu Matatau Ao Tangaroa: Using science to support kaitiaki Regan Fairlie, Manaaki Te Awanui
	Questions and discussion Chair: Conrad Pilditch, University of Waikato
10.25 - 11.00	Morning tea
11.00 - 12.05	Understanding degradation and recovery (Part 2)
	Tipping points - rocky reefs Nick Shears, University of Auckland
	Submarine Canyons Daniel Le Duc, NIWA
	Navigating marine social-ecological systems -enabling collaboration on cumulative effects Kate Davies, NIWA
	Quantifying marine biodiversity using environmental DNA Gert-Jan Jeunen, University of Otago
	Measuring ecosystems services and assessing impacts Drew Lohrer, NIWA
	Questions and discussion Chair: Carolyn Lundquist, NIWA
12.05 - 13.30	Lunch + posters, sci-art and digital tools
13.30 - 14.45	Addressing risk and uncertainty
	Introduction Judi Hewitt, NIWA/University of Auckland
	Changes in nature and the nature of change – implications for assessing risk and uncertainty in the real world Simon Thrush, University of Auckland
	Place-based art and science: connecting communities Gabby O'Connor, NIWA
	Including uncertainty in biodiversity layers in decision support tools Fabrice Stephenson, NIWA
	Uncertainty in mapping of the pollution removal ecosystem service Emily Douglas, University of Waikato
	Novel risk assessment tools for EBM Graeme Inglis, NIWA
14.45 - 15.15	Novel risk assessment tools for EBM Graeme Inglis, NIWA
14.45 - 15.15 15.15 - 16.45	Novel risk assessment tools for EBM Graeme Inglis, NIWA Questions and discussion Chair: Judi Hewitt, NIWA/University of Auckland

Posters, sci-art and digital tools

Monday 5 November 17.30 - 19.00 and Tuesday 6 November 12.05 - 13.30

View research posters:

During poster sessions you will be able to talk to researchers about their work and see their posters. A full list of posters will be available at the conference.

Engage through sci-art:

Visit our mini exhibition at the conference and see how scientists and artists have collaborated. The exhibition includes Gabby O'Connor's "The Unseen", "Oceans Mesh" by Vicki Smith and Charlotte Šunde, and works from Art + Oceans.

Try out some digital tools:

The Sustainable Seas Challenge is producing a range of digital tools. The conference is an opportunity for researchers do some informal user testing and get your feedback. The tools include a website that enables users to track plastic in the ocean and an online marine management tool.

Wednesday 7 November 2018

Workshops for Sustainable Seas Challenge researchers

	8.00 - 8.30	Registration
	08.30 -10.30	Workshop Session A
		A1 Synthesis of Phase I research projects
		Open to all challenge researchers. The aim of this workshop is to identify possible topics which could synthesise research across the Challenge.
	10.30 - 11.00	Morning tea
11.00 - 1	11.00 - 13.00	Workshop Session B
		B1 Using social media to communicate your research
		This workshop is for researchers who are new to social media or want to build their skills. It will cover how and when to use social media channels and how to use images and video.
		Maximum of 20 people.
		B2 Vision Mātauranga
		This workshop is for researchers who want to work on ways to incorporate Mātauranga into research and research proposals.
	13.00 - 13.45	Lunch
	13.45 - 15.45	Workshop Session C
		C1 Project Leaders meeting
		All project leaders are expected to attend this meeting which will cover planning for the end of Phase 1, and other key information.
		C2 Using social media to communicate your research (repeat of B1)
		This workshop is for researchers who are new to social media or want to build their skills. It will cover how and when to use social media channels and how to choose images and video.

sustainableseaschallenge.co.nz @Sust_SeasNZ



SUSTAINABLE SEAS

Ko ngā moana whakauka















