



Tuesday 01st July

8:00 08:30

Coffee & Registration

8:30 09:30

Official Opening Ceremony

9:30 10:30

Opening Plenary Address: **Habitat by design: a toolkit for the nature repair of urbanised coasts**
Melanie Bishop

10:30 11:00

Coffee Break

Tuesday 01st July

	Room Meridienne Ecosystem Services	Room 1 Novel Approaches	Room 2 Ocean Sprawl	Room 34 Resistance Resilience & Phase Shift
11:00 - 11:30	<p>Keynote</p> <p>An annual blue carbon budget for kelp forests and seagrass beds in Nova Scotia, Canada</p> <p>Kira Krumhansl</p>	<p>Keynote</p> <p>New approaches to the study of temperate reefs: night-time light pollution and the role of the microbiome</p> <p>Elena Maggi</p>	<p>Keynote</p> <p>Can offshore energy structures function as artificial reefs after end-of -life?</p> <p>Anaëlle Lemasson</p>	<p>Keynote</p> <p>A change is gonna come: predicting degradation and recovery dynamics in intertidal biogenic reefs using machine learning and spatial early warning signals</p> <p>Aurélien Boyé</p>
11:30 - 11:45	<p>Fishers' local ecological knowledge (LEK) reveals complex food web dynamics for rapidly warming waters in Maine (USA) coastal systems</p> <p>Benjamin Neal</p>	<p>Fishing for sound: Monitoring reef communities with passive acoustics</p> <p>Maryann Watson <i>Student Presentation</i></p>	<p>Weaving Indigenous Knowledge Systems with ecological engineering to enhance the functionality and biodiversity of urbanised ecosystems along the southeast coast of South Africa</p> <p>Nobuhle Mpanza - <i>Student Presentation</i></p>	<p>Grazing by fishes as drivers of regime shifts: a rising threat in intertidal temperate algal forests</p> <p>Rosa M Viejo</p>
11:45 - 12:00	<p>Quantifying the Carbon Sequestration Potential of Kelp Farming in the UK</p> <p>Maxine Canvin <i>Student Presentation</i></p>	<p>Quantifying exposure and community response to artificial light at night on temperate reefs</p> <p>Stephen Swearer</p>	<p>Large-Scale Rock Pools as an Eco-Engineering Solution for Enhancing Biodiversity in Urbanized Coastal Areas</p> <p>Angélica Enrique-Navarro</p>	<p>Understanding climate resilience and restoring declining habitat-forming macroalgal populations at the rear edge of their distribution</p> <p>Rosa M. Chefaoui</p>
12:00 - 12:15	<p>Is ocean space shared a problem halved? Assessing multi-use potential of offshore wind with low-trophic aquaculture</p> <p>Charlotte Clubley</p>	<p>Novel approaches to monitoring light and noise pollution in subtidal coastal habitats</p> <p>Martina Mulas</p>	<p>Effects of slope angle on health, growth, morphology and survival of intertidally transplanted corals</p> <p>Yan Zhi Yap <i>Student Presentation</i></p>	<p>Effects of darkening and eutrophication on rockweed communities and photosynthetic performance: Results from a 4-month mesocosm study</p> <p>Eli Rinde</p>
12:15 - 12:30	<p>Quantifying indigenous kelp contributions to New Zealand's Blue Carbon sinks</p> <p>Mari Deinhart <i>Student Presentation</i></p>	<p>Habitat fragmentation in marine macroalgal forest conservation: implementing remote sensing techniques for high-resolution subtidal landscape characterisation</p> <p>Anaïs Barrera <i>Student Presentation</i></p>	<p>Trophic connectivity between marinas and adjacent Posidonia oceanica meadows</p> <p>Francesca Rossi</p>	<p>Diversity of intertidal macroalgae as spatial insurance in the marine intertidal</p> <p>Lars Gamfeldt</p>
12:30 - 13:45	Lunch time			

Tuesday 01st July

	Room Meridienne Ecosystem Services	Room 1 Novel Approaches	Room 2 Ocean Sprawl	Room 34 Resistance Resilience & Phase Shift
13:45 - 14:00	Brown algae fucoidan sinks carbon in the ocean Inga Hellige <i>Student Presentation</i>	Advanced Mapping of Intertidal Macroalgae in Normandy: An Integrated Approach Based on Multi-Source Data Régis Gallon Garcia	Greening of grey infrastructure: Stakeholder and public perceptions from Britain's Ocean City of Plymouth Jessica Allen <i>Student Presentation</i>	Predator response diversity to warming enables ecosystem resilience in the Galápagos John Bruno
14:00 - 14:15	How to identify suitable sites for restoration of boulder reefs Peter Stæhr	Influence of marine weather and coastal geomorphology on seaweed wrack dynamics along Quebec coasts Annaëlle Anquet <i>Student Presentation</i>	Enhancing biodiversity on Singapore's seawalls: Large-scale testing of eco-engineering solutions Annie Ann Nee Chew	Compound impacts of sea urchin grazing and marine heatwave thermal stress drive kelp collapse Jiaxin Shi <i>Student Presentation</i>
14:15 - 14:30	Degradation of macroalgae across multiple environmental gradients Lydia White	HSC3D: A Python package to quantify three-dimensional habitat structural complexity Yi-Fei Gu <i>Student Presentation</i>	A resilient ecological network of shipwreck-associated communities in the North Sea Peter Almond <i>Student Presentation</i>	Patterns and processes behind the recovery of bull kelp from a large-scale collapse along the coast of northern California Kyle Cavanaugh
14:30 - 14:45	Sustainable materials for kelp restoration and aquaculture Ethan Clark <i>Student Presentation</i>	Artificial light at night can influence the composition, diversity and biomass of early successional hard-bottom communities Mark Lenz	Study of biocolonization of a floating offshore wind turbine prototype and influence on soft bottom benthic community Maeva Gonzalez <i>Student Presentation</i>	Quantifying herbivore-driven decline in kelp forests : implications for climate refuge resilience Sara Barrientos
14:45 - 15:00	Blue carbon flux and decomposition from warming Australian macroalgal reefs Taylor Simpkins <i>Student Presentation</i>	Comparing the effectiveness of BioBoss2 and 3D-printed green concrete seawall enhancement tiles Tammy Teong <i>Student Presentation</i>	Into the microscopic world: assessment of microphytobenthos on Indigenous knowledge based eco-engineered prototypes deployed along coastal urban sites Jabulani Ndaba <i>Student Presentation</i>	Long-term changes in coastal seaweed communities in response to contemporary climate change across a wave exposure gradient Emil Kotta <i>Student Presentation</i>
15:00 - 15:15	Evaluating the effects of kelp harvesting and the impact on associated communities Catalina Ruz <i>Student Presentation</i>	Harnessing eDNA for reef monitoring: a continental scale comparison with visual surveys in Australia Lara Denis-Roy <i>Student Presentation</i>	Does construction material, installation depth, and topographical complexity influence the biodiversity and species assemblage of marine enhancement units? Yan Le Su <i>Student Presentation</i>	Population and community stability in the face of small – scale experimental harvesting in intertidal communities structured by the southern bull kelp, <i>Durvillaea incurvata</i> Eliseo Fica-Rojas
15:15 - 15:45	Coffee Break			

Tuesday 01st July

	Room Meridienne Ecosystem Services	Room 1 Novel Approaches	Room 2 Ocean Sprawl	Room 34 Resistance Resilience & Phase Shift
15:45 16:00	From Seaweed Defence to Ecosystem Services: Exploring the Antioxidant Potential of Australian Brown Seaweeds Flora Lam Kim <i>Student Presentation</i>	Automated detection of reef fishes on underwater videos Kévin Planolles <i>Student Presentation</i>	Recruitment assessment of eco-engineered seawalls Orla McKibbin <i>Student Presentation</i>	Turf algae redefine the chemical landscape of temperate reefs, limiting kelp forest recovery Shane Farrell <i>Student Presentation</i>
16:00 16:15	A Spatially Explicit Model of Kelp Forest Biomass: Mapping Vulnerability in Western Australia's Great Southern Reef Lianna Gendall	Habitat classification of temperate intertidal rocky shore with SAGA-GIS, using multispectral and topographic data from UAV-based monitoring Agathe Bouet <i>Student Presentation</i>	Kelping may not be helping: connectivity, community assembly, carbon and nutrient fluxes associated with seaweeds on marinas Jean-Charles Leclerc	Warming-Induced Changes in the Stability of Rocky Intertidal Microbial Communities Luca Rindi
16:15 16:30	Hotspots of climate change calamity: marine heatwaves impact kelp, kelp forests and ecosystem services Thomas Wernberg	Quantifying kelp canopy traits with airborne imaging spectroscopy Katherine Cavanaugh	The impacts of artificial light at night on urbanised coastal habitats Mariana Mayer Pinto	Environmental drivers of coastal benthic community composition in the temperate transition zone of Jeju Island, South Korea Garance Perrois
16:30 16:45	Self-cleaning slipways: Harnessing species interactions for sustainable management of coastal infrastructure Sally Henderson <i>Student Presentation</i>		Changes in the trophic ecology of the crab <i>Pachygrapsus marmoratus</i> on man-made structures exposed to artificial light at night Miriam Ferretti <i>Student Presentation</i>	The demise of intertidal southern bull kelp (<i>Durvillaea spp.</i>) following heatwaves, earthquakes and sediment stress – and the flourishing of alternative foundation species Mads Thomsen
16:45 17:00			Exploring the taxonomic and functional homogenization in marine urban environments on regional scale Giada Riva <i>Student Presentation</i>	Rocky shore's Game of Thrones (a timeline of multiple regime shifts) Hartvig Christie

Wednesday 02nd July

8:00	08:30	Coffee & Registration			
8:30	09:30	Plenary Address: Searching for enlightenment: what can we learn from watching marine gastropods? Gray A. Williams			
		Room Meridienne Macroalgae and Ecosystem Services <i>sponsored by Annals of Botany</i>	Room 1 Underexplored reefs	Room 2 Macroalgal Traits	Room 34 Resistance Resilience & Phase Shifts
9:30	10:00	Keynote Using ecological science for potentially expensive short-term interventions for substantial long-term environmental, cultural and economic gain in coastal regions David Schiel	Keynote Cold water coral reefs in North Atlantic: food partitioning among three species, implications for their ecophysiology Margaux Mathieu-Resuge	Keynote Intertidal seaweed functional traits across latitude and tidal elevation: A comparison of Pacific and Atlantic shorelines Robin Fales	Exploring resilience and resistance mechanisms of <i>Gongolaria barbata</i> populations under heat stress Lorena Cristina Cojoc <i>Student Presentation</i> Range dynamics of tropical and subtropical fishes in temperate Aotearoa New Zealand Libby Liggins
10:00	10:15	If you build it, will they come? Assessing the effectiveness of kelp forest restoration in restoring key ecosystem functions and services Aaron M Eger	Multi-Method Approaches to Assess Fish Assemblages and Community Structure in Temperate Mesophotic Reef Ecosystems Alejandro Perez Matus	Trait-by-environment interactions determine facilitation of rocky shore biodiversity by a habitat-forming alga Sigrid Iredell <i>Student Presentation</i>	A new approach for studying temperate rocky reef seaweed communities and their recovery potential Anaëlle Bizien <i>Student Presentation</i>
10:15	10:30	Harnessing ecological theory to enhance kelp cultivation Nessa O'Connor	Quantifying the occurrence, distribution and contribution of Swedish maerl beds Lina Rasmusson	Uncovering the genetic basis for growth rate variation in a dominant kelp species Samuel Starko	Which species on sublittoral rock walls in the Gulf of Maine are sensitive to increasing ocean temperatures? Breck McCollum <i>Student Presentation</i>
10:30	11:00	Coffee Break			

Wednesday 02nd July

	Room Meridienne Macroalgae and Ecosystem Services <i>sponsored by Annals of Botany</i>	Room 1 Underexplored reefs	Room 2 Macroalgal Traits	Room 34 Resistance Resilience & Phase Shifts
11:00 11:15	Degraded but not too much: the carbon metabolism of pristine and urban marine forests in the NW Mediterranean Sea Fabio Bulleri	The distinctive circalittoral zonation of oceanic islands: The Azores reefs (central North Atlantic) compared to the nearest continental shelves Fernando Tempera	Harnessing Functional Traits to Advance Seaweed Ecology John Griffin	Resilience and restoration potential of kelp forests in Nova Scotia, Eastern Canada Alexis Savard-Drouin <i>Student Presentation</i>
11:15 11:30	Quantifying the macroalgae-based carbon storage capacity of an intertidal eco-engineered seawall Franz Bauer <i>Student Presentation</i>	Fish farms cause lethal and sublethal impacts on cold-water bamboo coral <i>Isidella lopotensis</i> Bastien Taormina	Using functional traits and photophysiology to understand the facilitative role of canopy-forming seaweeds Hannah Hall	Substantial Shift in Community Composition over Two Years of Simulated Warming – A Mesocosm Study on a Temperate Coastal Ecosystem Christian Pansch
11:30 11:45	Quantifying species dependency on kelp forests: Insights from a large-scale assessment Cristina Piñeiro-Corbeira	Littoral caves: unique biodiversity hotspots and potential climate refuges Jacques Grall	Seaweed traits predict the functional consequences of biodiversity changes in response to an intertidal aerial heat wave Matthew Bracken	Tackling <i>Centrostephanus rodgersii</i> : Modelling Range Extension and Management Across the Eastern Great Southern Reef Julia Sobol <i>Student Presentation</i>
11:45 12:00	Uncovering hidden forests: Examining the diversity, structure and functioning of kelp-dominated habitats in the UK Dan Smale	Novel temporal approaches for the study of cold-water coral reefs Julie Tourolle <i>Student Presentation</i>	Investigating the resilience of North-East Atlantic intertidal forests to disturbance over a latitudinal gradient Ruby George <i>Student Presentation</i>	Regional Variability in Sea Urchins Species-Specific Thresholds of Macroalgae Collapse Candela Marco-Méndez
12:00 12:15	Genetic differentiation of habitat-forming kelp <i>Ecklonia radiata</i> across an urban estuary Annemie Rose Janssen <i>Student Presentation</i>	Ocean warming effects across life history stages of two co-occurring cold-water octocorals from the Azores Anaïs Sire de Vilar <i>Student Presentation</i>	Novel techniques for designing hydrodynamically scaled kelp mimics for use in laboratory wave tank experiments Jack Duffy <i>Student Presentation</i>	Understanding the processes controlling larger-scale variation in facilitation cascades Paul Gribben
12:15 12:30			Latitudinal vs. local drivers structuring of <i>Fucales</i> -dominated communities along the Northeastern Atlantic Thomas Burel	Towards a trait-based modelling framework to understand and predict consequences of seascape habitat change on temperate reef communities Martin Marzloff
12:30 13:45	Lunch time			

Wednesday 02nd July

	Room Meridienne Biogeochemical Cycling	Room 1 Science to Policy	Room 2 Biogenic Reefs	Room 34 Resistance Resilience & Phase Shifts
13:45 14:00	Keynote	Keynote	Keynote	From Land to Sea: The Cascading Impacts of Wildfires on California's Kelp Forests Lori Berberian <i>Student Presentation</i>
14:00 14:15	Carbonate production and erosion on temperate reefs: overlooked but globally relevant Albert Pessarrodona	Assessing change in ecological network functioning and its incorporation into environmental policy Antony Knights	Seasonal aggregation behaviour in the reef ecosystem engineer <i>Mytilus edulis</i> Marine Uguen	Shaping physiological plasticity: the impact of thermal regimes on benthic organisms Zhengquan Zhou
14:15 14:30	Diverging carbonate budgets following tropicalisation of temperate reefs Océane Attlan <i>Student Presentation</i>	Not all things to not all people: Limits to growth within kelp socioecological systems Amelia Hesketh	Study of the European native oyster (<i>Ostrea edulis</i>) biological rhythms at behavioral level to understand their resilience and the resettlement success of flat oyster reefs in the German Bight (Helgoland) Alexandre Le Moal - <i>Student Presentation</i>	Estimating context-dependent ecological thresholds and risk of sea urchin barren formation in Mediterranean macroalgal communities Mario Minguito-Frutos
14:30 14:45	Climate-driven Community Shifts Reshape Productivity in Marine Forests Bianca Reis <i>Student Presentation</i>	Large scale application of stereo baited remote underwater video systems to support monitoring of temperate marine ecosystem in the Northeast Atlantic Owen Exeter <i>Student Presentation</i>	So far unknown interactions between marine benthic invertebrates and plastic pollution Sonja M. Ehlers	Regional conditions determine sea urchin pressure on macroalgal forests and modify the buffer capacity of the alternative states Teresa Alcoverro
14:45 15:00	Kelp forest loss rewires energy flow to predatory fishes on Northwest Atlantic rocky reefs Dara Yiu <i>Student Presentation</i>	Assessing effective protection of reef fishes and associated habitats in a long-established Mediterranean Marine Protected Area Dominique Pelletier	Alternative explanatory models of the species-area relationship: an experimental test on honeycomb worm (<i>Sabellaria alveolata</i>) reef patches Iacopo Bertocci	Assessing vulnerability of habitat-forming marine macrophytes to ocean warming using experimentally-derived upper thermal limits Katie Smith
15:00 15:15	Warming and coastal darkening alter nitrogen cycling by primary producers Grace Edwards <i>Student Presentation</i>	Why are we chasing 30% coverage of mostly ineffective MPAs? Rick Stuart-Smith	Decadal-scale loss of an intertidal algal bed: combining remote sensing and in situ mapping Rodney Forster	High resilience of an invasive mussel to cumulative impacts of ocean warming and oil pollution Anton Kovalev <i>Student Presentation</i>
15:15 15:45	Coffee Break			

Wednesday 02nd July

	Room Meridienne	Room 1	Room 2	Room 34
	Biogeochemical Cycling	Science to Policy	Biogenic Reefs	Resistance Resilience & Phase Shifts
15:45 16:00	<p>The role of kelp-bryozoan symbiosis in the carbon cycle</p> <p>Ethan Quah <i>Student Presentation</i></p>	<p>Marine conservation planning needs to account for individual movements of reef fishes</p> <p>Nils Krueck</p>	<p>The epibiotic community associated to the European flat oyster: a function of the state of development of the reef</p> <p>Abel Zempléni <i>Student Presentation</i></p>	<p>Interspecific competition, recruitment inhibition, and potential kelp-kelp phase shifts – implications for conservation and function in a climate change hotspot</p> <p>Cayne Layton</p>
16:00 16:15	<p>In situ trophic ecology of benthic marine suspension feeders using metabarcoding</p> <p>Aline Gangnery</p>	<p>Assessing the state of marine benthic biodiversity in the Northeast Atlantic</p> <p>Laurent Guérin</p>	<p>Bio-engineered reefs in the anthropocene: Microplastic abundance in the largest Mediterranean <i>Sabellaria spinulosa</i> reef system</p> <p>Giusto Lo Bue <i>Student Presentation</i></p>	<p>The role of temperate herbivores in facilitating expansion of a novel subtropical habitat-former on warming temperate reefs</p> <p>Erin McCosker <i>Student Presentation</i></p>
16:15 16:30	<p>Using otolith stable isotopes to reconstruct trophic baselines in the European sea bass (<i>Dicentrarchus labrax</i>)</p> <p>Stina Kolodzey</p>	<p>Socio-economic and ecological drivers and challenges: the sea urchin fishery of the central Portuguese coast</p> <p>David Jacinto</p>	<p>Native oyster enhancement pilot in offshore wind farm Borssele III/IV; a case study for sharing knowledge through The Rich North Sea's Toolbox</p> <p>Renate Olie</p>	
16:30 16:45	<p>Biomarkers of change: tracking diets along an environmental gradient in an Antarctic benthic ecosystem</p> <p>Anthony Voisin <i>Student Presentation</i></p>	<p>Marine Forests in a Changing Climate: Projecting Global Trends in Extent and Biomass Distribution</p> <p>Lauren Vapillon <i>Student Presentation</i></p>	<p>Impact of Leachates from Microplastics and Novel Plastic Forms on Mussel Adaptive Behaviour and Self-Organisation</p> <p>Katy Nicastro</p>	
16:45 17:00	<p>Maerl Beds as Key Drivers of the Silicon Cycle in Coastal Ecosystems: A Case Study of the Bay of Brest</p> <p>María López-Acosta</p>	<p>Kelps harvesting in Brittany, what future knowing 125 years of exploitation</p> <p>Martial Laurans</p>		
17:00 18:00	<p>Plenary Address: In the footsteps of giants: homage to the French founders of intertidal ecology</p> <p>Steve Hawkins</p>			
18:00 21:00	<p>Poster Session (preceded by Group Photo)</p> <p><i>sponsored by MNHN/INPN</i></p>			

Thursday 03rd July

8:00	08:30	Coffee & Registration			
8:30	09:30	Plenary Address: Supporting the Resilience of Canada's Pacific Kelp Forests Anne Salomon			
		<u>Room Meridienne</u>	<u>Room 1</u>	<u>Room 2</u>	<u>Room 34</u>
		Reef Associated Biodiversity	Biology and Ecophysiology	Extreme Events	Invasion Ecology
9:30	10:00	<p>Keynote</p> <p>Spatial and interannual variation in benthic community structure is driven by salinity effects on predator-prey dynamics</p> <p>Christopher Harley</p>	<p>Keynote</p> <p>Effects of ocean acidification on coralline algae in the context of multiple drivers of climate change</p> <p>Christopher Cornwall</p>	<p>Keynote</p> <p>Marine heatwaves: Winners, losers, and the metrics that count</p> <p>Shinae Montie</p>	<p>Keynote</p> <p>Environmental constraint, biotic interactions and the spread of invasive species</p> <p>Christopher D. McQuaid</p>
10:00	10:15	<p>Quantifying bacterial assemblages associated with both farmed and wild populations of <i>Saccharina latissima</i> across the aquaculture growing season in SW England</p> <p>Jasmine Ramshaw <i>Student Presentation</i></p>	<p>Molecular control and ecological relevance of asexual reproduction in the split-fan kelp <i>Laminaria pallida</i></p> <p>Daniel Liesner</p>	<p>Kelp in hot water? Investigating the responses of Aotearoa New Zealand's giant kelp (<i>Macrocystis pyrifera</i>) populations to simulated marine heatwaves</p> <p>Imogen Bunting <i>Student Presentation</i></p>	<p>Thermal Resilience and Potential Ecological Impacts of the Invasive Sea Urchin <i>Diadema setosum</i> on the Fast Warming Levantine Mediterranean Coast</p> <p>Iris Preiss <i>Student Presentation</i></p>
10:15	10:30	<p>Living on the edge - on intertidal rockweeds and their inhabitants facing climate change and eutrophication</p> <p>Trine Bekkby</p>	<p>Strategies of echinoderms in response to ocean acidification: An "omics" approach from a natural laboratory</p> <p>Vanessa Arranz</p>	<p>Evaluating the response of New Zealand blackfoot abalone, <i>Haliotis iris</i>, to simulated marine heatwaves and climate-change induced high rainfall events, with conservation and management applications to local communities</p> <p>Katherine Fenton - Student Presentation</p>	<p>Summarizing 16 years of Levant rocky shore ecological monitoring and experiments: trends, surprises and lessons learned</p> <p>Gil Rilov</p>
10:30	11:00	Coffee Break			

Thursday 03rd July

	Room Meridienne	Room 1	Room 2	Room 34
	Reef Associated Biodiversity	Biology and Ecophysiology	Extreme Events	Invasion Ecology
11:00 11:15	Biogeographical patterns in intertidal macroalgal communities along the coasts of Normandy (Channel Sea) Mathieu Helias <i>Student Presentation</i>	Impact of climate-driven glacial melt on the early life-stages of high-latitude kelps Veronica Farrugia Drakard	Some like it salty - examining fish assemblages across an extreme salinity gradient, Shark Bay, Western Australia Kirsty Richards <i>Student Presentation</i>	Kelp forest decline allows invasive turf algae to spread in NW Iberia Nerea Alvite <i>Student Presentation</i>
11:15 11:30	Methods for the manipulation of host-associated microbes in habitat forming macroalgae Alexander Harry McGrath	Acclimation to daily fluctuations of dissolved oxygen improve oxygen regulation after stress exposure in the Kelp crab <i>Taliepus dentatus</i> Simone Baldanzi	Temporal genomic monitoring of kelp reveals subtle temporal change despite exposure to an extreme marine heatwave in Western Australia Jane Edgeloe	Where is the control for the highly invasive macroalga <i>Rugulopteryx okamurae</i> ? Assessing the role of the sea urchin <i>Paracentrotus lividus</i> along an invasion gradient Alejandro Bernal-Ibáñez
11:30 11:45	Functional consequences of habitat fragmentation in macroalgal forests: A focus on macroinvertebrates Cristina Galobart <i>Student Presentation</i>	Long-term ocean acidification exposure negatively impacts the structural and mechanical properties of sea urchin skeletons at a natural volcanic CO2 seep Callum Hudson <i>Student Presentation</i>	A Multifaceted Approach to Assessing Climate Change Impacts on Mediterranean Ecosystems Steeve Comeau	Forecasting Marine Invasions: Climate-Induced Shifts in Environmental Suitability for European Non-Indigenous Species Clément Violet
11:45 12:00	Ecological dynamics of Anticosti island kelp forest: insights into subarctic rocky reef ecosystems from eastern Canada Fanny Noisette	A mule carries the shore: Hybridisation as Ecosystem-Scale Facilitation of Ecosystem Functioning in Intertidal Seaweed Forests Benedikt Schrofner-Brunner <i>Student Presentation</i>	Unveiling the Role of Endolithic Symbionts in Enhancing Mussel Resilience to Thermal Stress Sarah Bollina <i>Student Presentation</i>	Local scale environmental gradients within harbours induce strong community and physiological shifts on hard artificial substrates Christophe Lejeusne
12:00 12:15	Kelp forest thinning and fragmentation influence the number of kelp recruits but not the genetic composition of populations David Aguirre	Photosynthetic performance, cell wall composition, and contaminant dynamics in intertidal <i>Fucus vesiculosus</i> Carme Pacín <i>Student Presentation</i>	Intertidal species distribution evaluation and prediction with the consideration of physiological and genetic traits Yunwei Dong	Green crab (<i>Carcinus maenas</i>) population fluctuations and diet on the Magdalen Islands (Quebec, Canada); thermal limits in a context of global change Kathleen MacGregor
12:15 12:30	Differences in fish communities between kelp and turf in the Skagerrak: more but smaller Kjell Magnus Norderhaug		Untangling responses of A-to-I RNA editing in the mussel <i>Mytilus galloprovincialis</i> to heat stress Ya-jie Zhu <i>Student Presentation</i>	
12:30 13:45	Lunch time			

Thursday 03rd July

	Room Meridienne	Room 1	Room 2	Room 34
	Reef Associated Biodiversity	Biology and Ecophysiology	Extreme Events	Climate Change Refugia
13:45 14:00	<p>The Jekyll and Hyde role of rock pools in intertidal biodiversity across latitudes</p> <p>Louise Firth</p>	<p>Evidence of adaptive local thermal resilience in marine forests, over a latitudinal gradient</p> <p>Sofía Hernández-Chan <i>Student Presentation</i></p>	<p>Cross-latitude population comparisons of energetic and reproductive investment of purple sea urchins in marine heat wave conditions</p> <p>Maya Munstermann <i>Student Presentation</i></p>	<p>Keynote</p> <p>CCTBON: Temperature and biodiversity monitoring on rocky shores across the entire Atlantic Ocean</p> <p>Fernando P. Lima</p>
14:00 14:15	<p>Benthic & ichthyofaunal diversity of Black Coral Forests in Santo Antão, Cabo Verde</p> <p>Tristan da Silva e Ornelas</p>	<p>Foaming at the mouth: direct and indirect exposure to seafoam affects the behaviour of the periwinkle <i>Littorina littorea</i></p> <p>Solène Cazalis-Henry <i>Student Presentation</i></p>	<p>Microbial symbionts enhance thermal tolerance in the Pacific Oyster</p> <p>Gerardo Zardi</p>	
14:15 14:30	<p>Scaling up our understanding of fish-habitat associations on shallow reef</p> <p>Elizabeth Oh <i>Student Presentation</i></p>	<p>The role of intraspecific diversity in modulating microplastic impacts on biogenic habitats</p> <p>Lorenzo Cozzolino <i>Student Presentation</i></p>	<p>Ocean warming and marine heatwaves are causing the collapse and tropicalisation of kelp forests in the Japanese Izu Peninsula</p> <p>Ben Harvey</p>	<p>Rockpools as Thermal Refuges: Insights from Thermal Records and Heartbeat Monitoring of Intertidal Species</p> <p>Rita da Silva</p>
14:30 14:45	<p>Larval developmental histories shape stage-specific fitness of 'winners' and 'losers' in a temperate reef fish</p> <p>Jeffrey Shima</p>	<p>Effects of water temperature and pH on skeletal growth and micro-anatomy of cold-water coral holobiont of one of the main reef-building species <i>Desmophyllum pertusum</i></p> <p>Joëlle Robbe <i>Student Presentation</i></p>	<p>"Marine Darkwaves": an event-based framework to assess frequency, duration and intensity of extreme periods of reduced underwater light availability</p> <p>François Thoral</p>	<p>Deep refuges and warm adaptation at range edges: genomic insights from kelp forests</p> <p>Antoine Minne</p>
14:45 15:00	<p>Bacteria on <i>Laminaria hyperborea</i>: Spatial Patterns and Tissue-Specific Assemblages</p> <p>Harry Catherall</p>	<p>Seagrass ecosystems under stress: the impact of marine heatwaves on trophic pressure and seagrass persistence</p> <p>Laura Falkenberg</p>	<p>Thresholds of light drive kelp dominated ecosystems across depths and exposure to suspended sediments</p> <p>Leigh Tait</p>	<p>Coralline algae growth under contrasted natural regimes of pH in a subarctic area</p> <p>Johanna Vega-Sequeda <i>Student Presentation</i></p>
15:00 15:15	<p>Small-scale coastal surface convergences: concentration and condition of lobster larvae and other benthic and pelagic organisms</p> <p>Jesús Pineda</p>	<p>Global warming drives phenological shifts and hinders reproductive success in a temperate octocoral</p> <p>Nuria Viladrich</p>	<p>Differential photophysiological responses of intertidal seaweeds to increasing thermal and desiccation stress</p> <p>Maike Kaffenberger <i>Student Presentation</i></p>	<p>Survival of the Coolest: How habitat-forming species convey temporal stability of microclimates and communities</p> <p>Lee Ze Hoe <i>Student Presentation</i></p>
15:15 15:45	Coffee Break			

Thursday 03rd July

	Room Meridienne	Room 1	Room 2	Room 34
	Reef Associated Biodiversity	Biology and Ecophysiology	Extreme Events	Climate Change Refugia
15:45 16:00	<p>Kelp forest diversity and stability at warming and under-explored northern limits</p> <p>Sidsel Pedersen Student Presentation</p>	<p>Down-regulation of carbon concentrating mechanisms and adjustments in fatty acid composition in response to ocean acidification and warming cannot compensate for negative effects of multiple stressors in a habitat-forming kelp</p> <p>Abby Gilson</p>	<p>Long-term recovery dynamics of endemic New Zealand blackfoot abalone (<i>Haliotis iris</i>) populations affected by co-seismic coastal uplift and recreational overfishing</p> <p>Shawn Gerrity</p>	<p>Preserving the Last Stop of the Boreal: Kelp Forest Vulnerability in a Changing Ocean</p> <p>Francisco Arenas</p>
16:00 16:15	<p>Undercover interactions – how beneficial are seaweed canopies at high latitude?</p> <p>Markus Molis</p>	<p>The Honeycomb Worm Genome: Expanded Protein Kinase Repertoire and other Key Features</p> <p>Flavia Nunes</p>	<p>The effects of summer and winter marine heatwaves on growth is determined by latitude and species traits</p> <p>Rhian Evans</p>	<p>Macroalgal canopies as thermal refuges in coastal systems of the NW Iberian Peninsula</p> <p>Gestoso Ignacio</p>
16:15 16:30	<p>Functional responses of intertidal communities to environmental stress gradients</p> <p>Mathieu Cusson</p>	<p>The influence of body size, temperature and hypoxia in brooding behavior and costs in Brachyuran crabs</p> <p>Simone Baldanzi</p>	<p>Marine heatwaves effects on urchin reproduction, larval survival, and oceanographic dispersal drive historical collapses in recruitment</p> <p>Daniel Okamoto</p>	<p>Biotic interactions in a changing world – how canopy-forming species modulate biodiversity and temperature from micro to latitudinal scales</p> <p>Cátia Monteiro</p>
16:30 16:45	<p>The structure, function and resilience of Laminaria hyperborea forests along the northern North Sea coast of the United Kingdom</p> <p>Pippa Moore</p>	<p>Physiological and biochemical response to increasing temperatures of the kelp <i>Laminaria hyperborea</i> along its European distribution gradient</p> <p>Florian Stahl Student Presentation</p>	<p>Projected heat waves reshape Baltic Sea reef communities: a mesocosm study</p> <p>Frank Melzner</p>	<p>Love thy neighbour? Depends on the neighbours and outside threats: diversity and patch dynamics of iconic encrusting species in (former?) cave and archway refugia</p> <p>Chris Battershill</p>
16:45 17:00	<p>Exploring the intertidal biodiversity of the Selvagens islands: a window into an intact marine ecosystem in the eastern Atlantic</p> <p>Rocío Vilela</p>			<p>The need for microclimate research in rocky reef ecology</p> <p>Lisandro Benedetti-Cecchi</p>
17:00 18:00	<p>Plenary Address: International Temperate Reefs Symposium: Genesis, Ethos and Evolution</p> <p>Louise Firth & Pippa Moore</p>			
18:00	<p>Stuff Up Night (For Students only)</p>			

Friday 04th July

8:00	08:30	Coffee & Registration			
8:30	09:30	Plenary Address: Thinking like a non-human: Escaping anthropocentric constraints to better understand and predict the impacts of environmental change in coastal ecosystems Brian Helmuth			
		Room Meridienne Habitat Restoration, Rehabilitation & Enhancement	Room 1 Broad Scale Patterns	Room 2 Long-term Temporal Trend	Room 34 Macroecology
9:30	10:00	Keynote Adventures and misadventures monitoring sea urchin barrens - managing sea urchin fisheries to conserve and restore macoralgal forests Jordi Boada	Keynote The anatomy of the intertidal thermal profile (from the usual to the extreme and the odd) Rui Seabra	Keynote Major loss in algal species across 150 years of data: is ocean heating driving species loss in a biodiversity hotspot in southern China? Bayden Russell	Keynote Phase shift on temperate reefs Craig Johnson
10:00	10:15	Who lives in a pear tree under the sea? Tree-reefs as a mimic of historical substrate Jon Dickson	Changing Marine Lightscares Thomas Davies	Sea otter recovery buffers century-scale declines in California kelp forests Loren McClenachan	Drivers of kelp recruitment across a reef landscape Billie Beckley Student Presentation
10:15	10:30	Scaling restoration: habitat interdependencies at seascape scales Sean Connell	Latitudinal differences in temperature mediate embryonic development and larval release, with implications for regional dispersal Jane Weinstock	Kelp synchrony: a synthesis Max Castorani	Combining fish visual census and eDNA metabarcoding to identify the main environmental and human drivers of fish functional structure on temperate rocky reefs Nina Prasil-Delaval Student Presentation
10:30	11:00	Coffee Break			

Friday 04th July

		Room Meridienne Habitat Restoration, Rehabilitation & Enhancement	Room 1 Broad Scale Patterns	Room 2 Long-term Temporal Trend	Room 34 Macroecology
11:00	11:15	Kelping the Bay: cultivating <i>Ecklonia radiata</i> for restoration success Prue Francis	Predicting the Probability of Microbial Endolithic Symbiosis in Temperate Intertidal Mussels Jonathan Monsinjon	Long-term declines and collapse of an intertidal food web Peter Petraitis	Dispersal limitation in fragmented intertidal landscapes Lynette Loke
11:15	11:30	Restoration Genetics of <i>Ecklonia radiata</i> : A Foundation for Kelp Recovery in Victoria Kaylah Gawne Student Presentation	Species distribution across environmental gradients on tropical rocky shores: how well does physiology explain distribution patterns? Tommy Tin Yan Hui	Sand dynamics drive kelp forest biodiversity and community structure Ethan Kadiyala Student Presentation	Scaling-Up Biodiversity-Ecosystem Functioning Relationships: Using Rocky Shores as a Model System Tom Fairchild
11:30	11:45	Developing approaches for kelp restoration in the UK: a precautionary approach Catherine Wilding Student Presentation	Characterising rocky reef biodiversity using environmental DNA from local to national scales Dina-Leigh Simons Student Presentation	Vulnerability of Australian kelp forests to warming and implications for ecosystem function Scott Bennett	The role of sea urchins in the kelp carbon cycle Luka Wright Student Presentation
11:45	12:00	Project Restore: Restoring Sydney Harbour' Seascapes Francisco Martínez-Baena	Spatial scales of connectivity in subsidy-dependent coastal ecosystems Kyle Emery	Historical data reveal a half-century of kelp forest extirpation and community deborealization in a geographically isolated microclimate Brian Timmer Student Presentation	Top-Down and Bottom-up Control in the Galapagos Upwelling System Isabel Silva Student Presentation
12:00	12:15	Oyster reef recovery: Impacts of rotational management and restoration efforts on public fishing grounds Alexandria Marquardt Student Presentation	Comparative effects of ocean warming on kelp-herbivore interactions across Australian temperate reefs Claire Butler Student Presentation	Biodiversity ecosystem functioning relationships in threatened kelp forests of Australia's Great Southern Reef Nestor E. Bosch	Poleward range contraction of a subantarctic limpet: weak larvae and strong adults Spencer Virgin
12:15	12:30	Developing Standards for Marine Ecosystem Restoration Abel Zemleni Student Presentation	Distribution and vulnerability of the endemic deep-water kelp <i>Laminaria rodriguezii</i> in a warming Mediterranean Sea Uxue Moreda Student Presentation	Tracking biodiversity shifts in temperate rocky assemblages: retracing Fischer-Piette's historical surveys on the European coast Ana Sinde-Mano	
12:30	13:45	Lunch time			

Friday 04th July

		Room Meridienne Habitat Restoration, Rehabilitation & Enhancement	Room 1 Broad Scale Patterns	Room 2 Long-term Temporal Trend	Room 34 Macroecology
13:45	14:00	Green Gravel Successes and Failures: Optimizing Marine Forest Restoration in Port Phillip Bay, Victoria, Australia Jacqui Pocklington	Understanding the impacts and trajectories of global change on temperate reefs through the lens of sensory ecology: Light cycles and light pollution Svenja Tidau	40 Years of Climate-Induced Shifts in the Reproductive Phenology of Keystone Species Across a Biogeographic Gradient Bruno Salonen <i>Student Presentation</i>	A 20-year perspective on patterns and causes of spatiotemporal dynamics in macroalgal production in giant kelp forests Dan Reed
14:00	14:15	Using “tree islands” to restore seaweed forests Ziggy Marzinelli	Geographical variations of fish cleaning services Jade Sourisse	Climate-driven tropicalization of European marine communities Nova Mieszkowska	Habitat-mediated interactions: how marine foundation species structure Australian marine ecosystems Thomas Benoit <i>Student Presentation</i>
14:15	14:30	Meandering artificial shorelines and their potential to enhance biodiversity Peter A. Todd	Environmental Change Drives Declines in Kelp Abundance Across the Northwest Atlantic Jarrett Byrnes	A historical review of giant kelp harvesting in Tasmania Hunter Forbes <i>Student Presentation</i>	Drivers of kelp forest productivity from warm to cool range edges Karen Filbee-Dexter
14:30	14:45	Rebuilding self-sustaining marine ecosystems through coastal restoration Ashley D Hemraj	Mapping the global thermal risk of intertidal mussels Linxuan Ma <i>Student Presentation</i>	Monitoring long-term effects of climate change on intertidal rocky shores through citizen science Cam Ly Rintz <i>Student Presentation</i>	Predicting the effect of short and long-term thermal body temperature on the energy balance of intertidal species Romina Barbosa
14:45	15:00	Optimizing scalability of seeding-based restoration: survival and resettlement of juvenile kelp Jurgen Valckenaere <i>Student Presentation</i>	Effective full protection and increasing temperatures make thermophilic native species future conservation winners in the Mediterranean Sea Antonio Calò	Drivers of macroalgal-epifaunal community structure on temperate rocky reefs in California, USA Inez Mangino <i>Student Presentation</i>	A marine biogeographical transition zone is maintained by an eco-evolutionary driver Bernardo R. Broitman
15:00	15:15	Identifying Barriers to Kelp Forest Recovery in the Wellington Harbour: The Role of Sea Urchin Grazing and Environmental Conditions Ohad Peleg	Advancing Insights into Marine Metacommunity Connectivity using a Community Connectivity Model: A Case Study of Temperate Intertidal Rocky Shores Laura Bachmaier <i>Student Presentation</i>	Quantifying biotic and abiotic drivers of functionally key taxa abundances in intertidal rocky reefs of the English Channel Lucas Greiner <i>Student Presentation</i>	Investigating climate-induced bivalve growth synchrony across coastal ecosystems: a sclerochronological approach Michael Cornish <i>Student Presentation</i>
15:15	15:45	Coffee Break			

Friday 04th July

	Room Meridienne Habitat Restoration, Rehabilitation & Enhancement	Room 1 Broad Scale Patterns	Room 2 Long-term Temporal Trend	Room 34 Macroecology
15:45 16:00	Remnants of <i>Gongolaria barbata</i> forests in the northern Adriatic Sea: Ecological characteristics and restoration potential Ljiljana Iveša	Shifts in kelp forest structure, species performance and rise of the community temperature index (CTI) under ocean warming in the NE Atlantic Nora Salland	Twenty-three years of convergence in complex marine community responses along a large geographic gradient Mauricio Oróstica	Biogeography of marine urban habitats - islands for hard bottom fauna and flora Robin P.M. Gauff
16:00 16:15	Citizen-driven science to restore a kelp forest habitat on a rocky reef in the Loire estuary (France) Philippe Potin	The spread of the fireworm: Identifying the driving force behind its ongoing expansion in the Mediterranean Federico Quattrocchi	Characterising ecological drivers of 30-year trends and interannual variability in sea urchin densities in the Western Mediterannean Federico Pinna	Kelp-forest dynamics across broad spatiotemporal scales: Stability and drivers of kelp distribution in the Mingan Archipelago (Gulf of St. Lawrence, Canada) Ladd Johnson
16:15 16:30		Marine biodiversity and climate change: twenty-five years of changes in abundance and distribution of rocky intertidal species in the UK Michael Burrows	Rocky shore community responses to wave energy extraction and climate-related changes in wave exposure Andrew Want	
16:30 17:30	Closing Ceremony			
19:30	Gala Dinner			