

## TREVOR Symposium

### Trends, Reflections, Evolution, and Visions in Ocean Research – A celebration of the scientific life of Trevor Platt

9-11 August 2023  
Plymouth Marine Laboratory, UK

#### Programme

Day 1:	9 August 2023	
<b>08:00-09:00</b>	<b>Registration</b>	
<b>09:00-10:30</b>	<b>INAUGURAL SESSION</b> Co-chairs: John Field and Andréa de Lima Oliveira	
09:00-09:05	Welcome	Icarus Allen
09:05-09:10	Logistics, Health and Safety	Suzanne Hawkins
09:10-09:20	Background and introduction	Thomas Jackson
09:20-10:05	Opening Keynote: The Ocean as a Common Weal	Nick Owens
10:05-10:20	Trevor's contributions to science and capacity building: A Chilean perspective	Oswaldo Ulloa
10:20-10:35	Trevor's contributions to science and capacity building: An Indian perspective	Grinson George
<b>10:35-11:00</b>	<b>Break</b>	
<b>11:00-12:30</b>	<b>Oral Session 1: Physical and biological interactions</b> Co-chairs: Mauricio A. Noernberg and Ranith R. Pillai	
11:00-11:30	Working with Trevor (Invited Talk)	Žarko Kovač
11:30-11:45	Investigating the Impact of Climate Change on Phytoplankton Phenology in the Tropical Indian Ocean	Aditi Modi
11:45-12:00	Primary-productivity in Upwelling Systems (PRIMUS)	Steve Groom
12:00-12:15	Variability of Sea Surface Temperature related to Chlorophyll-a in Simeulue Island Coastal Waters, West Sumatra Sea	Nazli Raudhati
12:15-12:30	Coupling between hydrography and bio-optical constituents in a shallow optically complex region using ten years of in-situ data	Arjun Adhikari
<b>12:30-13:30</b>	<b>Lunch</b>	

<b>13:30-15:00</b>	<b>Oral Session 2: Marine Optics &amp; Ocean Colour</b> <b>Co-chairs: Jongkuk Choi and Priscila Kienteca Lange</b>	
13:30-14:00	Status of in situ and satellite observations in Latin America (Invited Talk)	Ana Ines Dogliotti
14:00-14:15	Optical properties of a shallow coral reef environment in French Polynesia	Pirta Palola
14:15-14:30	Beyond biomass: the optics of phytoplankton photophysiology	Lisl Lain
14:30-14:45	Capturing the seasonal to decadal variations of primary production from satellite ocean color measurements	Zhongping Lee/ Shaoling Shang
14:45-15:00	Uncertainties in ocean colour remote sensing – How metrology can help	Frédéric Mélin
<b>15:00-15:30</b>	<b>Break</b>	
<b>15:30-17:00</b>	<b>NETWORKING SESSION 1</b> <b>What worked well in capacity building and how to sustain it?</b>	
	Leads: Vivian Lutz Margareth Kyewalyanga Sophie Carler	
<b>17:00-17:30</b>	<b>Online Guitar Concert</b>	<b>Celso Leal and Students</b>
<b>17:30-19:00</b>	<b>Ice breaker and Poster Session 1</b>	
<b>Day 2:</b>	<b>10 August 2023</b>	
<b>09:00-10:30</b>	<b>Oral Session 3: Marine Optics &amp; Ocean Colour</b> <b>Co-chairs: Bror Jönsson and Christina Kong</b>	
09:00-09:30	Ocean Reflections: Over 50 years of scientific excellence in marine science (Invited Talk)	Heather A. Bouman
09:30-09:45	Characterizing the spatial and temporal dynamics of phytoplankton phenology in the British Columbia and Southeast Alaska coastal oceans using satellite ocean colour data	Sejal Pramlall
09:45-10:00	Coupling ecological concepts with an ocean-colour model: Parametrisation and forward modelling	Xuerong Sun
10:00-10:15	Assessment of Chlorophyll-a Remote Sensing Algorithms based on Sentinel-3B data in the eastern Algerian Coast (SW Mediterranean Sea)	Khadidja Wissal Abdallah

10:15-10:30	Utilizing Satellite-Derived Bathymetry of turbid water coral reefs to improve hydrodynamic models of Southern Singapore	Yochi Okta Andrawina
<b>10:35-11:00</b>	<b>Break</b>	
11:00-12:30	<b>Oral Session 4: Physiological ecology of marine phytoplankton</b> <b>Co-chairs: Vivian Montecino and Franck Ghoms</b>	
11:00-11:30	Trends and trajectories of phytoplankton primary production and bloom phenology in the Southern Ocean	Thomas Ryan-Keogh
11:30-11:45	Bio-optical properties of dinoflagellate blooms from Todos Santos Bay (Baja California, México)	Adriana Gonzalez
11:45-12:00	Interannual variability of carbon and nutrient subduction in the Southern Ocean	Essowe Panassa
12:00-12:15	Metabarcoding application to Planktonic Time-Series analysis	Hannah Lloyd-Hartley
12:15-12:30	Driver of phytoplankton community dynamics in tropical coastal habitats	Samiul Huda
<b>12:30-13:30</b>	<b>Lunch</b>	
13:30-15:00	<b>Oral Session 5: Water Quality and human health</b> <b>Co-chairs: Seunghyun Son and Safin I P</b>	
13:30-14:00	Exploiting technological advances to develop resilience of coastal communities to extreme weather events (Invited Talk)	Nandini Menon
14:00-14:15	Microbial pollution in a tropical lake and the incidence of acute diarrheal diseases	Anas Abdulaziz
14:15-14:30	Assessing water quality and hydrodynamics in the central coast of Bangladesh: a Delft3D modelling approach	Eurida Liyana
14:30-14:45	Lab on a mini-Secchi disk	Bob Brewin
14:45-15:00	Water quality and health risk assessments of illegal gold mining-impacted estuaries in Ghana	Charles Abimbola Faseyi
<b>15:00-15:30</b>	<b>Break</b>	
<b>15:30-17:00</b>	<b>NETWORKING SESSION 2</b> <b>UN-SDGs related to water</b>	
	Leads: Stefano Ferretti (Invited) Milton Kampel	

	Gemma Kulk	
<b>17:00-18:30</b>	<b>Poster Session 2</b>	
<b>19:00</b>	<b>SYMPOSIUM DINNER</b>	<b><u>Rockfish</u></b>
<b>Day 3:</b>	<b>11 August 2023</b>	
<b>09:00-10:30</b>	<b>Oral Session 6: Size and ecosystem structure of aquatic communities</b> <b>Co-chairs: Vanda Brotas and Rodrigo Hernández-Moresino</b>	
09:00-09:30	Pelagic size spectra: history, limitations, and some diverse applications (Invited Talk)	Angus Atkinson
09:30-09:45	Integration of socio-ecological data for MPA zoning: An example from the south-east coast of Bangladesh	Subrata Sarker
09:45-10:00	Machine Learning techniques for forecasting the effect of Climate Change and Anthropogenic pressures on Coastal wetlands (Ichkeul Lake, Ramsar Site)	Sabrine Sahbani
10:00-10:15	Satellite-guided individual based modelling for spatial distribution of fish: Atlantic mackerel as an example	Shovonlal Roy
10:15-10:30	Pelagic respiration and biomass size spectra in the Humboldt Current System	Renato Quiñones
<b>10:35-11:00</b>	<b>Break</b>	
<b>11:00-12:30</b>	<b>NETWORKING SESSION 3:</b> <b>Wrap up: Lessons learned and way forward</b>	
	Leads: Shubha Sathyendranath Raisha Lovindeer Sophie Seeyave	
<b>12:30-14:30</b>	<b>Lunch</b>	
<b>14:30-16:30</b>	<b>TREVOR PLATT SCIENCE FOUNDATION ANNUAL MEETING (TPSF MEMBERS ONLY)</b>	