USP – UiB Climate Workshop

27-28 June 2022

USP Marine Campus lecture room

Program

Monday 27.06	**https://usp-fj.zoom.us/j/85271878630?pwd=G_KK1U5EqJAR17hnZcpSLISru8gaAM.1**	
09:30-10:00	*Coffee and registration*	
10:00	**Opening prayer**	
10:00-10:15	Welcome and opening remarks	Director Research, USP
10:15-10:30	Opening remarks UiB delegation	Prof Thomas Spengler and Prof Edvard Hviding, UiB
10:30-12:00	**Oceanography**	
10:30-10:45	An assessment of coastal water parameters and nutrient distribution in the Suva Lagoon – An insight into coral reef assemblage distribution	Mr Jasha Dehm, PhD Candidate, SAGEONS, USP
10:45-11:00	Warm inflow and cold outflow in the southern Weddell Sea, Antarctica	Prof Elin Darelius, UiB
11:00-11:15	How much can a storm event change the heat flux into the Filchner Trough?	Ms Vår Dundas, PhD Candidate, UiB
11:15-11:30	Marine Plastics in Fiji	Mr Andrew Paris, MSc Student, SAGEONS, USP
11:30-11:45	Investigating Optical Signatures following the 2022 Tonga Eruption from Satellite Ocean Color Observations	Ms Andra Whiteside, PhD Candidate, PaCE-SD, USP
11:45-12:00	Biogeochemistry of waters South of Fiji during the SOKOWASA cruise	Dr Cecile Dupouy, Visiting Academic
12:00-13:30	*Lunch*	
13:30-15:00	**Biogeochemistry and Ecology**	
13:30-13:45	Killer whale movements on the Norwegian shelf are associated with herring density	Ms Emma Vogel, PhD Candidate, UiT
13:45-14:00	The use of population genetic models to resolve and predict reef fish dispersal patterns in the Pacific	Dr Brian Stockwell, SAGEONS, USP
14:00-14:15	Establishing the current relation between observed oxygen conditions and oxygen proxies in western Norwegian fjords	Mr Mattia Ferraro, PhD Canididate, UiB
14:15-14:30	Characterising Snapshots of Cytometric Groups of Marine Microbes in Laucala Bay (Fiji Islands) After a Heavy Rain Event	Mr Timoci Koliyavu, PhD Candidate, PACE-SD, USP
14:30-14:45	Physical factors affecting oxygen concentrations in Norwegian sill fjords	Ms Torunn Sagen, PhD Canididate, UiB

14:45-15:00	Blue carbon storage in Fijian seagrass meadows	Ms Shalini Singh, PhD Candidate, PaCE-SD, USP
15:00-15:30	*Coffee break*	
15:30-16:45	**Cryosphere, Paleoclimate, and Sea Level**	
15:30-15:45	Eastern and Central Pacific ENSO and their relationships to the recharge/discharge oscillator paradigm	Dr Awnesh Singh, PaCE-SD, USP
15:45-16:00	Greenland Ice Sheet Evolution and Stability	Ms Charlotte Rahlves, PhD Candidate, UiB
16:00-16:15	Greenland surface mass balance and sea level uncertainty	Mr Tobias Zolles, PhD Candidate, UiB
16:15-16:30	Albedo based on surface properties retrieved from HELiPOD and Helicopter data during the MOSAiC campaign	Mr Tim Sperzel, PhD Candidate, USP
16:30-16:45	Deep-water sedimentary response to alternating Late Quaternary paleoclimate in the Gulf of Corinth (Greece)	Ms Natacha Fabregas, PhD Candidate, UiB
18:00-21:00	*Icebreaker and Dinner*	
Tuesday 28.6.	**https://usp-fj.zoom.us/j/82903102882?pwd=gSk8i6ScpOY31_KvIHxkiDLhnRN9QE.1**	
09:00-10:30	**Atmosphere**	
09:00-09:15	Separating eddy driven and subtropical jets	Dr Clemens Spensberger, UiB
09:15-09:30	Tropical Cyclone associated variability in the oceanic and atmospheric parameters in the Southwest Pacific Region: Case Studies	Prof Sushil Kumar, STEMP, USP
09:30-09:45	Wet - wetter - weather	Ms Kjersti Konstali, PhD Candidate, UiB
09:45-10:00	A novel approach to clustering Tropical Cyclone genesis on ENSO timescales in the Southwest Pacific	Mr Moleni Tu'uholoaki, PhD Candidate, PACE-SD, USP
10:00-10:15	Towards an objective Climatology of Frontal Life Cycles	Mr Johannes Lutzmann, PhD Candidate, UiB
10:15-10:30	The influence of sea surface temperature fronts on storm tracks and cyclones	Prof Thomas Spengler, UiB
10:30-11:00	*Coffee break*	
11:00-12:00	**Mitigation and Adaptation**	
11:00-11:15	Policing Climate Change and Natural Disasters in Kiribati & Tuvalu	Prof Anand Chand, SBM, USP
11:15-11:30	Bridging the gaps in marine pollution data through innovative research methods for Pacific Island Countries and Territories	Mr Rufino Varea, PhD Candidate, SAGEONS, USP
11:30-11:45	Examination of turbulence impacts on ultra-short-term wind power and speed forecasts with machine learning	Mr Hao Chen, PhD Candidate, UiT

11:45-12:00	Current Research in the Area of Ocean Energy at USP and Prospects of Ocean Energy Exploitation in the Region	Prof Rafiuddin Ahmen, STEMP, USP
12:00-12:15	**Closing remarks followed by closing prayer**	
12:15-13:30	*Lunch*	
Afternoon	Meeting of faculty and campus tour	

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