

Hybrid SOLAS Open Science Conference 2022 Programme

All times in SAST

Friday, 23 Sep		Saturday, 24 Sep		Sunday, 25 Sep		Monday, 26 Sep		Tuesday, 27 Sep		Wednesday, 28 Sep		Thursday, 29 Sep	
Time		Time		Time		Time		Time		Time		Time	
08:00	Cice2Clouds meeting Registration	08:30	Cice2Clouds meeting Registration	08:30	Early Career Scientist Day Registration	08:30	Conference opening Welcome / SOLAS introduction: K. Altieri / C. Gulev and M. Dai	08:30	Theme 2: Air-sea interface and fluxes of mass and energy Introduction by session chairs: T. Bell and A. Rutgersson	08:30	Theme 4: Interconnections between marine ecosystems, aerosols, and clouds Introduction by session chairs: M. Kanakidou and J. Ovadnevaite	08:30	Theme 5: Ocean biogeochemical control on atmospheric chemistry Introduction by session chairs: M. Kanakidou and T. Latif
08:30	Introduction	08:30	Discussion: Processes from Day 1; Paper outlining & plans for compiling; Identify leads	09:00	Opening remarks	08:40	Theme 3: Greenhouse gases and the oceans Introduction by session chairs: M. Cornejo and G. Zhang	08:40	M. Cronin (USA): Large-scale Patterns of warm layer vs. cool skin corrections to bulk sea surface temperature and Reflections on the Observing Air-Sea Interactions Strategy (OASIS) - <i>on-site</i>	08:40	B. Wang (China): Micro-spectroscopic characterization and ice formation potential of marine related aerosol particles - <i>on-line</i>	08:40	M. Gali Tapias (Spain): From weather to climate scales in ocean biogeochemistry-atmospheric chemistry studies: mind the gaps - <i>on-site</i>
09:30	Tutorial Talks: Atmospheric processes			09:10	Workshop 1: Grant and proposal writing: tips and tricks	08:50	P. Mongwe (South Africa): The impact of anthropogenic forcing on the Southern Ocean CO2 sink - <i>on-site</i>	09:10	S. Nicholson (South Africa): Interrogating thermal biases in air-sea CO2 fluxes through top-down and bottom-up observational constraints - <i>on-site</i>	09:10	K. Fossom (Ireland): Marine aerosol-cloud interactions and investigations into typical degrees of air pollution over the Southern Ocean - <i>on-site</i>	09:10	M. Peltola (Finland): Marine aerosol formation and its chemical precursor species in coastal New Zealand - <i>on-site</i>
10:30	Discussion: Atmospheric processes					09:40	S. Akande (Nigeria): Modelling the Spatio-Temporal Variations of CO2 and their Impacts on the Surface Oceans - <i>on-line</i>	09:30	P. Rickard (UK): Surface microlayer surfactant variability and air-water gas exchange - <i>on-site</i>	09:30	M. Mallet (Australia): Contrasting aerosol, cloud, precipitation, and radiation interactions at low and high Southern Ocean latitudes - <i>on-line</i>	09:30	S. Pongpiachan (Thailand): Applying synchrotron radiation-based attenuated total reflection-fourier transforms on fluctuations of PM10-bound organic functional groups - <i>on-site</i>
11:00	Coffee/Tea break	10:30	Coffee/Tea break	10:40	Coffee/Tea break	10:00	J. Hauck (Germany): Constraining regional and global ocean carbon fluxes in RECCAP2 - <i>on-line</i>	09:50	O. Wurl (Germany): HALOBATES: An autonomous research catamaran for high-resolution measurements of the sea-surface microlayer - <i>on-line</i>	09:50	K. Sellegrì (France): Sea2Cloud: from biogenic emission fluxes to cloud properties in the South West Pacific - <i>on-site</i>	09:50	L. Zhou (Germany): Winter season Southern Ocean distributions of climate-relevant trace gases - <i>on-site</i>
11:00	Coffee/Tea break	10:40	Coffee/Tea break	10:40	Coffee/Tea break	10:20	Coffee/Tea break	10:20	Group picture / photo montage	10:10	Coffee/Tea break	10:10	Coffee/Tea break
11:15	Tutorial Talks: Ocean & sea ice processes	10:45	Cice2Clouds Sub-working Group Discussion: Building on keynote talk discussion and integration into ongoing synthesis papers	11:10	Workshop 2: Equity, Diversity and inclusion within our Scientific field	10:50	Theme 3: Atmospheric deposition and ocean biogeochemistry Introduction by session chairs: S. Gassó and J. Nishioka	10:50	Polar Oceans Introduction by session chair: K. Altieri	10:40	Indian Ocean / Upwelling Introduction by session chairs: A. Mahajan and A. Singh / M. Cornejo and A. Körtzinger	10:40	Climate Intervention / Science and Society Introduction by session chairs: E. van Doorn and A. Lenton
12:15	Discussion: Ocean & sea ice processes					11:00	M. Kurisu (Japan): Application of Fe isotope ratios for a better understanding of the Fe cycle in the surface ocean and lower atmosphere - <i>on-line</i>	11:00	O. Crabeck (Belgium): Sea ice biogeochemistry and polar oceans: Important fact and challenge - <i>on-site</i>	11:00	Z. Lachkar (UAE): Air-sea interaction and physical-biochemical coupling in the Indian Ocean: examples of recent advances and gaps in understanding - <i>on-site</i>	11:00	N. Mengis (Germany): Carbon Dioxide Removal measures - Feasibility, uncertainties, and their contribution to net-zero - <i>on-line</i>
						11:30	A. Milinković (Croatia): Variabilities of biochemical properties of the sea surface microlayer: Insights to the atmospheric deposition impacts - <i>on-line</i>	11:30	H. Hayashida (Japan): Bi-polar perspectives on projected changes in sea-ice algae blooms from a global sea ice-ocean coupled model - <i>on-line</i>	11:30	P. Panda (India): Atmospheric Dry deposition of Mineral Dust and associated nutrient supply and their solubility over the Indian Ocean during Vernal Summer months - <i>on-line</i>	11:30	P. Monteiro (South Africa): Building a national integrated observational and modelling capability to support the assessment of ocean CDR in South Africa for robust policy development - <i>on-site</i>
						11:50	A. Ito (Japan): Aerosol bioaccessible iron supply from southern Africa to the Southern Ocean - <i>on-site</i>	11:50	N. Steiner (Canada): Coupling of ocean-ice-atmosphere processes: from sea-ice biogeochemistry to aerosols and Clouds (Cice2Clouds) - <i>on-site</i>	11:50	M. Ragoasha (South Africa): Eastern Boundary Upwelling Systems in a warming world: inconsistency trends - <i>on-site</i>	11:50	E. Mahu (Ghana): Putting Science to Action - <i>on-site</i>
						12:10	D. Hamilton (USA): Earth, Wind, Fire, and Pollution: Aerosol Nutrient Sources and Impacts on Ocean Biogeochemistry - <i>on-site</i>	12:10	R. Lampere (France): Polar sea-salt aerosols in CMIP6 models - <i>on-line</i>	12:10	R. Oliveira (Brazil): The tropical and subtropical South Atlantic Ocean biogeochemistry responses for the IPCC AR5 future scenarios using EcoGenIE 1.0 - <i>on-site</i>	12:10	H. Liu (China): Global shipping emission inventories with high spatial and temporal resolution - <i>on-line</i>
12:45	Lunch	12:45	Lunch	12:40	Lunch collection	12:30	Lunch	12:30	Lunch	12:30	Lunch	12:30	J. Dinasquet (USA): Sea-air transfer and dispersal of harmful sea spray aerosols - <i>on-site</i>
13:45	Tutorial Talks: Exchange processes	13:45	Cice2Clouds Terms of Reference: Discussion and Next Steps	13:00	Departure from Conference Centre by bus	13:30	Discussion sessions: UN Decade of Ocean Science Proposal: Aerosol Exchange with Marine Ecosystems - Douglas Hamilton, USA; Cecile Gulev, France; Morgane Perron, France	13:30	Discussion sessions: Strengthening Partnerships between OASIS and the Global South - Christa Marandino, Germany; Meghan Cronin, USA; Warren Joubert, South Africa; Seb Swart,	13:30	Discussion sessions: Crosswinds in Safe Landing Climates - Lisa Miller, Canada; Neil Harris, UK; Erik van Doorn, Germany	12:50	Conference closing
14:45	Discussion: Exchange processes				Excursion to the Meteorological Station and to Cape Point	14:50	Coffee/Tea break	14:50	Coffee/Tea break	14:50	Coffee/Tea break		
15:15	Coffee/Tea break	15:45	Coffee/Tea break			15:00	SOLAS Science & Society: building upon past achievements & future possibilities - Erik van Doorn & Christa Marandino, Germany	15:00	Differences and commonalities in air-ice-ocean processes in the Antarctic and Arctic - Nadja Steiner, Canada; Jessie Creamean, USA; Jennie Thomas, France; Lisa Miller, Canada	15:00	SOLAS science and global ship emissions – common challenges and next steps - Christa Marandino, Germany; Tom Bell, UK; Anna Rutgersson, Sweden; Zangbo Shi, UK		
15:30	Keynote C. Haas (AWI): Contrasting Arctic & Antarctic Sea-Ice	16:00	Other business: Plans for next meeting; ECR field school; SOLAS discussion session			16:20-19:00	Poster session <i>On-site on rooftop</i>	16:20-19:00	Poster session <i>On-line in gather.town</i>	16:20	Coffee/Tea break	16:30-17:50	Open Science and Publishing: Community Needs and Challenges - Jamie Males & Emma Archer, PLOS Climate, UK
16:30	Discussion: Connection to Cice2Clouds									18:00-19:00	Virtual networking event on gather.town		
17:00		17:00		18:00	Welcome reception	19:30	Representatives & Impl. team dinner (invitation only)			19:30	Conference banquet		