

SOLAS OSC 2019 program

Times	Sunday, 21 April	Times	Monday, 22 April	Times	Tuesday, 23 April	Times	Wednesday, 24 April	Times	Thursday, 25 April
08:30:00-12:00	Early Career Scientists Day Geoengineering workshop	08:30-08:40	Conference opening	08:30	Geoengineering / Science and Society	08:30	Theme 1: Greenhouse gases and the oceans	08:50	Integrated topics II
		08:40-08:50	Integrated topics I Introduction by session chairs: T. M. Latif and A. Mahajan	08:30-08:40	Introduction by sessions chairs: P. Boyd and E. van Doorn	08:30-08:40	Introduction by session chairs: A. Körtzinger and G. Zhang	08:50-09:00	Introduction by session chairs: K. Altieri and S. Kameyama
		08:50-09:20	M. Cornejo: The dynamic of the nitrous oxide in the Humboldt Current System	08:40-09:10	A. Lenton: Geoengineering, the Ocean and SOLAS	08:40-09:10	S. Lauvset: The Carbon Cycle: The role of oceans and humans	09:00-09:20	S. Landwehr: Investigation of sea spray source functions with aerosol size spectra measurements from the Antarctic Circumnavigation Experiment
		09:20-09:40	M. Dai: Air-Sea CO2 fluxes, diapycnal nutrient fluxes and export productivity in oligotrophic ocean	09:10-09:30	S. Tegtmeier: Impact of large-scale macroalgae production on the ozone layer	09:10-09:30	O. Bui: Dissolved methane distribution and its controlling factors in the Arctic Ocean in 2016 summer	09:20-09:40	L. Gutierrez-Loza: Air-sea CH4 fluxes from eddy covariance measurements in the Baltic Sea
		09:40-10:00	E. Saltzman: Air/sea transfer of highly soluble gases over coastal waters	09:30-10:00	K. Mengerik: Marine Spatial Planning as a Tool to Advance Science-Based Decision-Making	09:30-09:50	Y. Eddebbar: Volcanic Modulation of Ocean Ventilation: Implications for Air-sea Carbon and Oxygen Exchange	09:40-10:00	P. Wongpan: Using under-ice spectra to determine land-fast ice algal biomass in Lake Saroma, Japan
		10:00-10:20	J. Kim/K. Lee: Biological production reduces the net impacts of coastal acidification in the northwestern Pacific Ocean	10:00-10:20	S. Sarker: Taking the science to community: An approach of multi-stakeholders integration for sustainable Blue Economy development in Bangladesh	09:50-10:10	L. Keppler: Regional Wind Variability Modulates the Southern Ocean Carbon Sink	10:00-10:20	M. Frey: Sea salt aerosol from blowing snow above sea ice - a new particle source
						10:10-10:20	Group picture		
10:20-10:50	Coffee break	10:20-10:50	Coffee break	10:20-10:50	Coffee break	10:20-10:50	Coffee break	10:20-10:50	Coffee break
10:50-12:30	Early Career Scientists Day Geoengineering workshop		Theme 4: Interconnections between aerosols, clouds and ecosystems Introduction by session chairs: M. Levasseur and I. Koren		Theme 2: Air-sea interface and fluxes of mass and energy Introduction by session chairs: A. Rutgersson and P. Minnett		Theme 5: Ocean biogeochemical control on atmospheric chemistry Introduction by session chairs: L. Gallardo and J. Ovadnevaite		Theme 3: Atmospheric deposition and ocean biogeochemistry Introduction by session chairs: J. Nishioka and P. Suntharalingam
		10:50-11:00	J. Abbatt: Connecting the ocean to aerosols and clouds in the summertime Canadian Arctic	10:50-11:00	D. Nomura: Gas exchange process in the ice covered oceans	10:50-11:00	A. Mahajan: Oceanic Regulation of Atmospheric Chemistry: Past, Present and Future	10:50-11:00	Y. Chen: Atmospheric deposition of nitrogen and trace metals affects marine phytoplankton and their feedback to aerosols
		11:00-11:30	A. Accarini: Is new particle formation an aerosol source over the Southern Ocean?	11:00-11:30	K. Krall: Air-sea gas transfer at hurricane wind speeds	11:00-11:30	S. Smith: Modelling of ammonia/um across the air-sea interface in the Atlantic sector of the Southern Ocean	11:00-11:30	W. Landing: Atmospheric Deposition to the Oceans Controls Biological Productivity
		11:30-11:50	P. Rodriguez-Ros: Ecological modeling of marine biogenic isoprene emissions in the Southern Ocean	11:30-11:50	I. Gonçalves: Analytical quantification of CO2 flux mediated by spume droplets	11:30-11:50	K. Hamasaki: Microbial community dynamics in sea surface microlayer and sea spray aerosols observed in coastal inlets of Japan	11:30-11:50	R. Mukherjee: Limitation of iron on N2 fixation in the Arabian Sea
		11:50-12:10	P. Zieger: Revising the hygroscopicity of inorganic sea salt particles	11:50-12:10	R. Stanley: Relating air-sea gas fluxes to bubble distributions at high wind speeds: insights from the sustain wind-wave tank	11:50-12:10	J. Maas: Simulating halocarbon concentration in ocean and atmosphere from industrial water treatment	11:50-12:10	C. White: Impact of atmospheric nitrogen deposition to nitrogen limited marine surface waters in the temperate and subtropical North Atlantic Ocean
	12:10-12:30					12:10-12:30			
12:30-14:30	Lunch	12:30-14:30	Lunch	12:30-14:30	Lunch	12:30-14:30	Lunch	12:30-12:40	Conference closing
14:30-16:00	Early Career Scientists Day Geoengineering workshop	14:30-16:00	Discussion sessions	14:30-16:00	Discussion sessions	14:30-16:00	Discussion sessions		
			1) C. Marandino, A. Koertzing, T. Bell, J. Jeong: Can long term observatories be used to study the processes controlling air-sea exchange?		1) E. van Doorn, C. Marandino: SOLAS Science & Society: achievements, present status & future possibilities		1) M. Uematsu, A. Zivian, K. Slavik: WHAT IS Ocean KAN?		
			2) S. Royer, D. Deheyn: Impacts of ocean plastic and microfibers on air quality and climate		2) P. Hwang, T. Toyota: Enhanced air-sea interaction in the emerging Marginal Ice Zone		2) A. Ito, W. Landing, D. Hamilton: Atmospheric deposition of iron, ocean biogeochemistry and marine emission of biological aerosols		
			3) M. Frey, P. Zieger, D. Nomura, J. Thomas, N. Steiner: The coupling of ocean, sea ice and atmospheric chemistry & biogeochemistry - a cross-disciplinary research challenge		3) C. Chen, E. Achterberg: The High Resolution Measurement for the Ocean-Atmosphere Interfacial Layers		3) P. Suntharalingam, G. Zhang: Oceanic greenhouse gases: The present situation and future initiatives		
16:00-16:30	Coffee break	16:00-16:30	Coffee break (during poster session)	16:00-16:30	Coffee break (during poster session)	16:00-16:30	Coffee break (during poster session)		
16:30-18:00	Early Career Scientists Day Geoengineering workshop	16:30	Poster session:	16:30	Poster session:	16:30	Poster session:		
		16:30-18:00	Theme 3: Atmospheric deposition and ocean biogeochemistry	16:30-18:00	Theme 5: Ocean biogeochemical control on atmospheric chemistry	16:30-18:00	Theme 2: Air-sea interface and fluxes of mass and energy		
		17:30-19:00	Integrated topics	17:30-19:00	Geoengineering				
18:00	Welcome reception	19:30	Theme 4: Interconnections between aerosols, clouds and ecosystems		Theme 1: Greenhouse gases and the oceans Science & Society				
			National representatives dinner (invitation only)			19:30	Conference banquet		