

List of posters SPP Coordination Workshop 2021

Discipline	Authors	Email of corresponding author	Title of poster
Atmosphere & Sea	S. Arndt, M. Nicolaus & C. Haas	stefanie.arndt(at)awi.de	East vs. west: Contrasting snowpack properties in the Weddell Sea, Antarctica
Atmosphere & Sea	M. Casado	mcasado(at)awi.de	CLIMatic signal Archived in Ice Cores (CLIMAIC): Constraining the Climatic Signal Archived in Water Isotopes in Antarctic Ice Cores
Atmosphere & Sea	G. Heinemann, T. Semmler., R. Timmermann., V. Teske. & R. Zentek	heinemann(at)uni-trier.de	REDOCCA – Regional high-resolution Downscaling of Climate Change in the Antarctic
Atmosphere & Sea	S. Henning, R. Weller, L. Ort, J. Loftfield, M. Schumacher, X. Gong, H. Wex & F. Stratmann	silvia.henning(at)tropos.de	First results on the annual cycle of cloud condensation nuclei and ice nucleating particles at Neumayer station III
Atmosphere & Sea	C. Henry, C. Schannwell & R. Drews	clara.henry(at)mpimet.mpg.de	Modelling the hysteretic flow regime transition from ice rise to ice rumple
Atmosphere & Sea	L. Istomina, G. Heygster, C. Melsheimer & C. Haas	larysa.istomina(at)awi.de	Recent Antarctic sea ice surface melt from satellite remote sensing (REASSESS)
Atmosphere & Sea	B. Koch & M. Hoppema	boris.koch(at)awi.de	Identifying the carbon that matters: Chemical controls on organic matter aggregation (COMA)
Atmosphere & Sea	M. Kreuzer, J. Garbe, T. Albrecht, M. Mengel, A. Levermann, J. Donges & R. Winkelmann	Kreuzer(at)pik-potsdam.de	Hysteresis of the Antarctic ice sheet
Atmosphere & Sea	C. Mehlmann	carolin.mehlmann(at)mpimet.mpg.de	A hybrid sea ice model
Atmosphere & Sea	L. Rossmann, S. Arndt, M. Lehning, M. Jafari, N. Wever, L. Kaleschke, M. Nicolaus & C. Haas	leonard.rossmann(at)awi.de	Seasonality of snow depth on Weddell sea Sea ice from observations and simulations
Atmosphere & Sea	T. Schultz, A. Humbert & R. Müller	Tschultz(at)rhrk.uni-kl.de	SolidFIDEMO - A Firn Densification Model for Volumetric Mass Balances
Atmosphere & Sea	P. Seifert, R. Engelmann & M. Radenz	patric.seifert(at)tropos.de	COALA –Continuous Observations of Aerosol-cloudinteraction in Antarctica

Atmosphere & Sea	O. Wurl, T. Badewien, D. L. Arévalo-Martínez & H. W. Bange	oliver.wurl(at)uol.de	Exchange fluxes of climate-relevant trace gases off the Western AntArctic Peninsula (EWARP)
Biology	J. Balaguer, F. Koch & S. Trimborn	jenna.balaguer(at)awi.de	Iron and manganese co-limitation -a potential driver of phytoplankton species composition in the Southern Ocean
Biology	B. Becker & E. Pushkareva	b.becker(at)uni-koeln.de	Functional metatranscriptomics of Antarctic biological soil crust algae: Identification of key genes for the survival under the extreme conditions of Antarctica
Biology	F. Corus, T. C. Kihara, F. Säring & G. Veit-Köhler	finn.corus(at)hvhl.nl gveit-koehler(at)senckenberg.de	New Antarctic <i>Loxosomella</i> (Loxosomatidae, Entoprocta) from the Weddell Sea is recorded from only one station
Biology	D. Di Franco, K. Linse, H. Griffiths & A. Brandt	davide.di-franco(at)senckenberg.de	Drivers of abundance, spatial distribution and diversity in Southern Ocean peracarid Crustacea
Biology	F. Ghaderiardakani, M. L. Quartino & T. Wichard	Thomas.Wichard(at)uni-jena.de	Adaptation of the green seaweed <i>Ulva</i> and its microbiome to cold temperature in Antarctica
Biology	T. Harder & J. Tebben	t.harder(at)uni-bremen.de jan.tebben(at)awi.de	Recognition, signaling and response of the diatom <i>Fragilariopsis</i> to epibiotic bacterial colonization
Biology	C. Havermans, M. B. Ruiz & F. Leese	Charlotte.Havermans(at)awi.de	Sight unseen: Elucidating the trophic role and metapopulation structure of Southern Ocean gelatinous zooplankton using DNA metabarcoding
Biology	L. Hüppe, D. Bahlburg, C. Helfrich-Förster & B. Meyer	lukas.hueppe(at)uni-wuerzburg.de	Investigating diel rhythms in Antarctic Krill (<i>E. superba</i>) combining field observations and onboard laboratory experiments
Biology	C. Martínez Rendón, K. Glaser & K. Dumack	c.martinezrendon(at)uni-koeln.de	Algivorous Cercozoa shape the community composition of cryptogamic covers, the dominant vegetation in Polar Regions
Biology	R. Mattmüller, J. Hoffman & I. van Opzeeland	ramona.mattmueller(at)awi.de	COMPOSES: COMparing Polar Ocean Soundscapes
Biology	A. Paijmans & J. Hoffman	a.paijmans(at)uni-bielefeld.de	Genomic dissection of climate change impacts on a declining Antarctic top predator population
Biology	J. Piontek & K. Jürgens	judith.piontek(at)io-warnemuende.de	Combined effects of organic matter and temperature on composition and activity of heterotrophic bacterioplankton in the Weddell Sea (CombiBac)

Biology	J. Piontek & T. Urich	judith.piontek(at)io-warnemuende.de	Bacterial transformations of dimethylsulfoniopropionate in the Weddell Sea (BacDMS)
Biology	C. Plum & M. Smykala	c.plum(at)uni-oldenburg.de	Thermal performance of Antarctic phytoplankton at different nitrogen and phosphorus levels
Biology	T. Ricken & S. Thoms	tim.ricken(at)isd.uni-stuttgart.de	Modeling of small scale processes in Antarctic sea ice and their impact on the biological pump in the future Southern Ocean - A coupled bi-scale approach
Biology	E. Riehle & D. R. Dietrich	eva.riehle(at)uni-konstanz.de	Pole to Pole Exchange: Climate facilitated cyanobacterial parasite pressure & mat ecosystem response
Biology	F. Säring, G. Veit-Köhler & H. Link	Friederike.Saering(at)uni-rostock.de	Small but important: Environmental drivers decisive for community compositions are different when meiofauna is included
Biology	F. Säring, A. Bick, K. Jerosch, G. Veit-Köhler & H. Link	Friederike.Saering(at)uni-rostock.de	Detective work to map Polychaetes in the Weddell Sea: combined methods to allow a <i>Anobothrus</i> species (Ampharetidae) description and community distribution modelling
Biology	K. Schimani, N. Abarca, O. Skibbe, U. Karsten & J. Zimmermann	k.schimani(at)fu-berlin.de	Biodiversity and biogeography of marine benthic diatoms in Antarctic and Arctic coastal zones to evaluate the degree of endemism using fine-grained taxonomy and metabarcoding
Biology	F. Wermter, C. Bock & W. Dreher	Fwermter(at)uni-bremen.de	<i>In vivo</i> 1H NMR in the brain of polar cod (<i>B. saida</i>)
Biology	A. Winterl, S. Richter, R. Gerum, A. Houstin, C. Le Bohec, B. Fabry & D.P. Zitterbart	daniel.zitterbart(at)fau.de	Remote sensing of Emperor Penguin Colony Health
Biology	L.C. Wunder, D. Aromokeye, G. Willis Poratti, C. Otersen, S. Henkel & M. W. Friedrich	michael.friedrich(at)uni-bremen.de	Environmental Controls of Iron-Reducing Microorganisms in Antarctic Marine Sediments [ECIMAS]:2021 update
Biology	C. Zurhelle, T. Harder, C. Völker & J. Tebben	Zurhelle(at)uni-bremen.de	Siderophore mediated iron acquisition of psychrophilic Antarctic marine bacteria

Geology	S. Berg	sberg0@uni-koeln.de	Marine ecosystem response to Late Pleistocene climate conditions – evidence from snow petrel stomach oil deposits (“mumiyo”) in East Antarctic
Geology	S. Berg	sberg0@uni-koeln.de	Integrating terrestrial and marine sediment records from East Antarctica to explore late Pleistocene and Holocene ice sheet instability
Geology	E. Buchta & M. Scheinert	Eric.Buchta@tu-dresden.de	Interaction between mass changes of the Antarctic Ice Sheet and solid Earth in Dronning Maud Land, East Antarctica
Geology	J. Feldmann & R. Winkelmann	johannes.feldmann(at)pik-potsdam.de	Vulnerability of the Antarctic Ice Sheet to a changing thermocline (VAST)
Geology	M. Horwath, M. Kappelsberger & V. Helm	martin.horwath(at)tu-dresden.de	Advancing ice altimetry analysis to constrain the Antarctic Ice Sheet’s response to climate change (AISA)
Geology	N.-M. Lesic, G. Kuhn, K. Streuff, T. von Dobeneck & G. Bohrmann	nlesic(at)awi.de	LGM ice-extent and ACR recorded in the outer Drygalski Trough, South Georgia
Geology	M. Lösing, J. Bernales & J. Ebbing	mareen.loesing(at)ifg.uni-kiel.de	Predicted Antarctic Heat Flow and its Influence on Ice Sheet Modeling
Geology	T. Stichel, W. Geibert, S. Kasten, S. Henkel, J. Freitag & S. Kasemann	torben.stichel(at)awi.de	Marine ice – a sleeping iron giant?