Publ.-Year	No.	Authors	Title	Source	Volume	Issue	Beginpage	Endpage	Participating Research Units	HGF Program PACES II: Topics
2017	1	Anchukaitis, K.J., Wilson, R., Briffa, K.R., Büntgen, U., Cook, E.R., D'Arrigo, R., Davi, N., Esper, J., Frank, D., Gunnarson, B.E., Heger, G., Helama, S., Klesse, S., Krusic, P.J., Linderholm, H., Myglan, V., Osborn, T.J., Zhang, P., Rydval, M., Schneider, L., Schurer, A.,Wiles, G. and Zorita, E.	Last millennium Northern Hemisphere summer temperatures from tree rings: Part II, spatially resolved reconstructions.	Quaternary Science Rev.	163		1	22	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	2	Barcikowska, M.; Feser, F.; Zhang, W.; Mei, W.	Changes in intense tropical cyclone activity for the western North Pacific during the last decades derived from a regional climate model simulation	Climate Dynamics	49	9-10	2931	2949	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	3	Barcikowska, M.J.; Kapnick, S.B.; Feser, F.	Impact of large-scale circulation changes in the North Atlantic sector on the current and future Mediterranean winter hydroclimate	Climate Dynamics			1	21	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	4	Barkhordarian, A., von Storch, H., Zorita, E., Loikith, P.C., and Mechoso, C.R.	Observed warming over northern South America has an anthropogenic origin.	Climate Dynamics					RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	5	Baschek, B.; Schroeder, F.; Brix, H.; Riethmüller, R.; Badewien, T.H.; Breitbach, G.; Brügge, B.; Colijn, F.; Doerffer, R.; Eschenbach, C.; Friedrich, J.; Fischer, P.; Garthe, S.; Horstmann, J.; Krasemann, H.; Metfies, K.; Merckelbach, L.; Ohle, N.; Petersen, W.; Pröfrock, D.; Röttgers, R.; Schlüter, M.; Schulz, J.; Schulz-Stellenfleth, J.; Stanev, E.; Staneva, J.; Winter, C.; Wirtz, K.; Wollschläger, J.; Zielinski, O.; Ziemer, F.	The Coastal Observing System for Northern and Arctic Seas (COSYNA)	Ocean Science	13	3	379	410	RU 1 - System Analysis and Modelling RU 3 - Operational Systems	Topic 4 - Bridging Research and Society - Products, Tools and Climate Services
2017	6	Bengfort, M.; van Velzen, E.; Gaedke, U.	Slight phenotypic variation in predators and prey causes complex predator-prey oscillations	Ecological Complexity	31		115	124	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	7	Bethke, I., Outten, S., Otterå, O.H., Hawkins, E., Wagner, S., Sigl, M. and Thorne, P	Potential volcanic impacts on future climate variability	Nature Climate Change			2017		RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	8	Bierstedt, S.E.; Hünicke, B.; Zorita, E.; Ludwig, J.	A wind proxy based on migrating dunes at the Baltic coast: Statistical analysis of the link between wind conditions and sand movement	Earth System Dynamics	8	3	639	652	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	9	Bieser, J.; Slemr, F.; Ambrose, J.; Brenninkmeijer, C.; Brooks, S.; Dastoor, A.; Desimone, F.; Ebinghaus, R.; Gencarelli, C.N.; Geyer, B.; Gratz, L.E.; Hedgecock, I.M.; Jaffe, D.; Kelley, P.; Lin, C.-J.; Jaegle, L.; Matthias, V.; Ryjkov, A.; Selin, N.E.; Song, S.; Travnikov, O.; Weigelt, A.; Luke, W.; Ren, X.; Zahn, A.; Yang, X.; Zhu, Y.; Pirrone, N.	Multi-model study of mercury dispersion in the atmosphere: Vertical and interhemispheric distribution of mercury species	Atmospheric Chemistry and Physics	17	11	6925	6955	RU 1 - System Analysis and Modelling RU 2 - Biogeochemistry in Coastal Seas	Topic 2 - Fragile Coasts and Shelf Seas
2017	10	Büntgen, U., Myglan, V.S., Ljungqvist, F.C., McCormick, M., Di Cosmo, N., Sigl, M., Jungclaus, H., Wagner, S., Krusic, P.S., Esper, J., Kaplan, J..O, de Vaan, M.A.C., Luterbacher, J., Wacker, L., Tegel, W., Solomina, O.N., Nicolussi, K., Oppenheimer, K., Reinig, F. and Kirdyanov, A.V.	Reply to 'limited Late Antique cooling'.	Nature Geoscience	10	4	243		RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	11	Büntgen, U.; Krusic, P.J.; Verstege, A.; Sangüesa-Barreda, G.; Wagner, S.; Camarero, J.J.; Ljungqvist, F.C.; Zorita, E.; Oppenheimer, C.; Konter, O.; Tegel, W.; Gärtner, H.; Cherubini, P.; Reinig, F.; Esper, A.J.	New tree-ring evidence from the pyrenees reveals western mediterranean climate variability since medieval times	Journal of Climate	30	14	5295	5318	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	12	Callies, U., Groll, N., Horstmann, J., (...), Maßmann, S., Schwichtenberg, F.	Surface drifters in the German Bight: Model validation considering windage and Stokes drift	OCEAN SCIENCE	13	5	799	827	RU 1 - System Analysis and Modelling RU 2 - Biogeochemistry in Coastal Seas RU 3 - Operational Systems	Topic 2 - Fragile Coasts and Shelf Seas
2017	13	Callies, U.; Gaslikova, L.; Kapitza, H.; Scharfe, M.	German Bight residual current variability on a daily basis: principal components of multi-decadal barotropic simulations	Geo-Marine Letters	37	2	151	162	RU 1 - System Analysis and Modelling RU 2 - Biogeochemistry in Coastal Seas	Topic 2 - Fragile Coasts and Shelf Seas

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2017	14	Corinna de Guttry, Martin Döring, Beate Ratter	How distant is climate change? Construal Level Theory analysis of German and Taiwanese students´ statements	International Journal of Asian Social Science	7	5	434	447	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	15	Cormier, R.; Elliott, M.	SMART marine goals, targets and management - Is SDG 14 operational or aspirational, is 'Life Below Water' sinking or swimming?	Marine Pollution Bulletin					RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	16	Cormier, R.; Kelble, C.R.; Anderson, M.R.; Allen, J.I.; Grehan, A.; Gregersen, Ó.	Moving from ecosystem-based policy objectives to operational implementation of ecosystem-based management measures	ICES Journal of Marine Science	74	1	406	413	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	17	Daewel, U., Schrum, C.	Low-frequency variability in North Sea and Baltic Sea identified through simulations with the 3-D coupled physical–biogeochemical model ECOSMO	Earth System Dynamics	8	3	801	815	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	18	Dallmeyer, A.; Claussen, M.; Ni, J.; Cao, X.; Wang, Y.; Fischer, N.; Pfeiffer, M.; Jin, L.; Khon, V.; Wagner, S.; Haberkorn, K.; Herzschuh, U.	Biome changes in Asia since the mid-Holocene - An analysis of different transient Earth system model simulations	Climate of the Past	13	2	107	134	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	19	De Mey, P., Stanev, E. and Kourafalou, V. H.	Science in support of coastal ocean forecasting---part 1	Ocean Dynamics	67	5	665	668	RU 1 - System Analysis and Modelling	Topic 4 - Bridging Research and Society - Products, Tools and Climate Services
2017	20	Dorado-Liñán, I.; Zorita, E.; Martínez-Sancho, E.; Gea-Izquierdo, G.; Di, Filippo, A.; Gutiérrez, E.; Levanic, T.; Piovesan, G.; Vacchiano, G.; Zang, C.; Zlatanov, T.; Menzel, A.	Large-scale atmospheric circulation enhances the Mediterranean East-West tree growth contrast at rear-edge deciduous forests	Agricultural and Forest Meteorology	239		86	95	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	21	Döring, M.; Ratter, B.	The regional framing of climate change: towards a place-based perspective on regional climate change perception in north Frisia	Journal of Coastal Conservation			1	13	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	22	Elliott, M.; Burdon, D.; Atkins, J.P.; Borja, A.; Cormier, R.; de Jonge, V.N.; Turner, R.K.	"And DPSIR begat DAPSI(W)R(M)!" - A unifying framework for marine environmental management	Marine Pollution Bulletin	118	1-2	27	40	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	23	Evadzi, P.I.K.; Scheffran, J., Zorita, E., Hünicke, B.	Awareness of sea-level response under climate change on the coast of Ghana	Journal of Coastal Conservation					RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	24	Evadzi, P.I.K., Zorita, E., Hünicke, B.	Quantifying and Predicting the Contribution of Sea-Level Rise to Shoreline Change in Ghana: Information for Coastal Adaptation Strategies	Journal of Coastal Research	33	6	1283	1291	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	25	Feser, F.	Constructing Records of Storminess	Oxford Research Encyclopedia of Climate Science	accepted				RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	26	Flohr, P.; Fleitmann, D.; Zorita, E.; Sadekov, A.; Cheng, H.; Bosomworth, M.; Edwards, L.; Matthews, W.; Matthews, R.	Late Holocene droughts in the Fertile Crescent recorded in a speleothem from northern Iraq	Geophysical Research Letters	44	3	1528	1536	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	27	Gee, K.; Kannen, A.; Adlam, R.; Brooks, C.; Chapman, M.; Cormier, R.; Fischer, C.; Fletcher, S.; Gubbins, M.; Shucksmith, R.; Shellock, R.	Identifying culturally significant areas for marine spatial planning	Ocean and Coastal Management	136		139	147	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	28	Gencarelli, C.N.; Bieser, J.; Carbone, F.; De Simone, F.; Hedgecock, I.M.; Matthias, V.; Travnikov, O.; Yang, X.; Pirrone, N.	Sensitivity model study of regional mercury dispersion in the atmosphere	Atmospheric Chemistry and Physics	17	1	627	643	RU 1 - System Analysis and Modelling RU 2 - Biogeochemistry in Coastal Seas	Topic 2 - Fragile Coasts and Shelf Seas
2017	29	Gerkensmeier, B. Ratter, M. Vollmer, C. Walsh	Managing coastal risks at the Wadden Sea: a societal perspective	Disaster Prevention and Management	27	1	15	27	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	30	González-Riancho, P.; Gerkensmeier, B.; Ratter, B.M.W.	Storm surge resilience and the Sendai Framework: Risk perception, intention to prepare and enhanced collaboration along the German North Sea coast	Ocean and Coastal Management	141		118	131	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas

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2017	31	Gourdeau, L., Djath B., A. Ganachaud, F. Nino, F. Birol, J. Verron, N. Fuller	Altimetry in a Regional Tropical Sea	IEEE Geoscience and Remote Sensing Magazine	5		44	52	RU 1 - System Analysis and Modelling	Topic 4 - Bridging Research and Society - Products, Tools and Climate Services
2017	32	Groll, N.; Grabemann, I.; Hünicke, B.; Meese, M.	Baltic sea wave conditions under climate change scenarios	Boreal Environment Research	22		1	12	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	33	Groll, N.; Weisse, R.	A multi-decadal wind-wave hindcast for the North Sea 1949–2014: coastDat2	Earth Syst. Sci. Data	9		955	968	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	34	Gronenborn, D.; Strien, H.-C.; Lemmen, C.	Population dynamics, social resilience strategies, and Adaptive Cycles in early farming societies of SW Central Europe	Quaternary International	446		54	65	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	35	Hartl-Meier, C.T.M., Büntgen, U., Smerdon, J.E., Zorita, E., Krusic, P.J., Ljungqvist, F.C., Schneider, L. and Esper, J.	Temperature covariance in tree-ring reconstructions and model simulations over the past millennium.	Geophysical Research Letters					RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	36	Hofmeister, R.; Flöser, G.; Schartau, M.	Estuary-type circulation as a factor sustaining horizontal nutrient gradients in freshwater-influenced coastal systems	Geo-Marine Letters	37	2	179	192	RU 1 - System Analysis and Modelling RU 3 - Operational Systems	Topic 2 - Fragile Coasts and Shelf Seas
2017	37	Ho-Hagemann, H.T.M.; Gröger, M.; Rockel, B.; Zahn, M.; Geyer, B.; Meier, H.E.M.	Effects of air-sea coupling over the North Sea and the Baltic Sea on simulated summer precipitation over Central Europe	Climate Dynamics			1	26	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	38	Jacob, B.; Stanev, E.V.	Interactions between wind and tidally induced currents in coastal and shelf basins	Ocean Dynamics			1	19	RU 1 - System Analysis and Modelling	Topic 4 - Bridging Research and Society - Products, Tools and Climate Services
2017	39	José Gómez-Navarro, J.; Zorita, E.; Raible, C.C.; Neukom, R.	Pseudo-proxy tests of the analogue method to reconstruct spatially resolved global temperature during the common era	Climate of the Past	13	6	629	648	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	40	Jungclaus, J. H., Bard, E., Baroni, M., Braconnot, P., Cao, J., Chini, L. P., Egorova, T., Evans, M., González-Rouco, J. F., Goosse, H., Hurtt, G. C., Joos, F., Kaplan, J. O., Khodri, M., Klein Goldewijk, K., Krivova, N., LeGrande, A. N., Lorenz, S. J., Luterbacher, J., Man, W., Meinshausen, M., Moberg, A., Nehrbass-Ahles, C., Otto-Bliesner, B. I., Phipps, S. J., Pongratz, J., Rozanov, E., Schmidt, G. A., Schmidt, H., Schmutz, W., Schurer, A., Shapiro, A. I., Sigl, M., Smerdon, J. E., Solanki, S. K., Timmreck, C., Toohey, M., Usoskin, I. G., Wagner, S., Wu, C.-Y., Yeo, K. L., Zanchettin, D., Zhang, Q. and Zorita, E.	The PMIP4 contribution to CMIP6 – Part 3: the Last Millennium, Scientific Objective and Experimental Design for the PMIP4 past1000 simulations	Geosci. Model Dev.					RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	41	Karabil, S., Zorita, E. and Hünicke, B.	Mechanisms of decadal sea-level trend variability in the Baltic Sea.	Earth Syst. Dynam.	8		131	146	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	42	Kerimoglu, O.; Jacquet, S.; Vinçon-Leite, B.; Lemaire, B.J.; Rimet, F.; Soulignac, F.; Trévisan, D.; Anneville, O.	Modelling the plankton groups of the deep, peri-alpine Lake Bourget	Ecological Modelling	359		415	433	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	43	Kerimoglu, Onur; Hofmeister, Richard; Maerz, Joeran; et al.	The acclimative biogeochemical model of the southern North Sea	Biogeosciences	14	19	4499	4531	RU 1 - System Analysis and Modelling RU 3 - Operational Systems	Topic 2 - Fragile Coasts and Shelf Seas
2017	44	Lee, S., R. Hofmeister, I. Hense	The role of life cycle processes on phytoplankton spring bloom composition: a modelling study applied to the Gulf of Finland	Journal of Marine Systems	178		75	85	RU 1 - System Analysis and Modelling	Topic 4 - Bridging Research and Society - Products, Tools and Climate Services
2017	45	Li, D.	Added value of high-resolution regional climate model: selected cases over the Bohai Sea and the Yellow Sea areas	International Journal of Climatology	37	1	169	179	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas

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2017	46	Linke, J.; Fortin, M.-J.; Courtenay, S.; Cormier, R.	High-resolution global maps of 21st-century annual forest loss: Independent accuracy assessment and application in a temperate forest region of Atlantic Canada	Remote Sensing of Environment	188		164	176	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	47	Ludwig, J.; Lindhorst, S.; Betzler, C.; Bierstedt, S.E.; Borówka, R.K.	Sedimentary rhythms in coastal dunes as a record of intra-annual changes in wind climate (Łeba, Poland)	Aeolian Research	27		67	77	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	48	M.H. Nasermoaddeli, C. Lemmen, G. Stigge, O. Kerimoglu, H. Burchard, K. Klingbeil, R. Hofmeister, M. Kreus, K.W. Wirtz, F. Kösters	A model study on the large-scale effect of macrofauna on the suspended sediment concentration in a shallow shelf sea	Estuarine, Coastal and Shelf Science					RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	49	Macdonald J.I., K. Logemann, E.T. Krainski, Þ. Sigurðsson, C.M. Beale, G. Huse, S. Hjøllo and G. Marteinsdóttir	Can collective memories shape fish distributions? A test, linking space-time occurrence models and population demographics	Ecography	40		1	19	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	50	Marc Hufnagl, Mark Payne, Geneviève Lacroix, Loes J. Bolle, Ute Daewel, Mark Dickey-Collas, Theo Gerkema, Martin Huret, Frank Janssen, Markus Kreus, Johannes Pätsch, Thomas Pohlmann, Piet Ruardij, Corinna Schrum, Morten D. Skogen, Meinard C.H. Tiessen, Pierre Petitgas, Jan K.L. van Beek, Henk W. van der Veer, Ulrich Callies	Variation that can be expected when using particle tracking models in connectivity studies	Journal of Sea Research	127		133	149	RU 1 - System Analysis and Modelling RU 2 - Biogeochemistry in Coastal Seas	Topic 2 - Fragile Coasts and Shelf Seas
2017	51	Meinke, I	On the comparability of knowledge transfer activities – a case study at the German Baltic Sea Coast focusing regional climate services	Adv. Sci. Res.	14		145	151	RU 1 - System Analysis and Modelling	Topic 4 - Bridging Research and Society - Products, Tools and Climate Services
2017	52	Meinke, I	Stakeholder-based evaluation categories for regional climate services – a case study at the German Baltic Sea coast	Adv. Sci. Res.	14		279	291	RU 1 - System Analysis and Modelling	Topic 4 - Bridging Research and Society - Products, Tools and Climate Services
2017	53	Moreno de Castro, M.; Schartau, M.; Wirtz, K.	Potential sources of variability in mesocosm experiments on the response of phytoplankton to ocean acidification	Biogeosciences	14	7	1883	1901	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	54	Patsch, J.; Burchard, H.; Dieterich, C.; Grawe, U.; Groger, M.; Mathis, M.; Kapitza, H.; Bersch, M.; Moll, A.; Pohlmann, T.; Su, J.; Ho-Hagemann, H.T.M.; Schulz, A.; Elizalde, A.; Eden, C.	An evaluation of the North Sea circulation in global and regional models relevant for ecosystem simulations	Ocean Modelling	116		70	95	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	55	Pein, J., A. Valle-Levinson, and E.V. Stanev	Secondary circulation asymmetry in a meandering, partially stratified estuary	JGR	accepted				RU 1 - System Analysis and Modelling	Topic 4 - Bridging Research and Society - Products, Tools and Climate Services
2017	56	Perron, P. and Zorita, E.	Time Series Methods Applied to Climate Change	Journal of Time Series Analysis	38	5	639		RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	57	Petzold, J.; Ratter, B.M.W.; Holdschlag, A.	Competing knowledge systems and adaptability to sea-level rise in The Bahamas	Area					RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	58	Pyrina, M., Wagner, S., and Zorita, E.	Pseudo-proxy evaluation of climate field reconstruction methods of North Atlantic climate based on an annually resolved marine proxy network,	Climate of the Past	13		1339	1354	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	59	Pyrina, M.; Wagner, S.; Zorita, E.	Evaluation of CMIP5 models over the northern North Atlantic in the context of forthcoming paleoclimatic reconstructions	Climate Dynamics			1	19	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	60	Rikka, S.; Uiboupin, R.; Alari, V.	Applicability of SAR-based wave retrieval for wind–wave interaction analysis in the fetch-limited Baltic	International Journal of Remote Sensing	38	3	906	922	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas

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2017	61	Rubio A, Mader J, Corgnati L, Mantovani C, Griffa A, Novellino A, Quentin C, Wyatt L, Schulz-Stellenfleth J, Horstmann J, Lorente P, Zambianchi E, Hartnett M, Fernandes C, Zervakis V, Gorringe P, Melet A and Puillat I	HF Radar Activity in European Coastal Seas: Next Steps toward a Pan-European HF Radar Network	Front. Mar. Sci.	4	8			RU 1 - System Analysis and Modelling RU 3 - Operational Systems	Topic 4 - Bridging Research and Society - Products, Tools and Climate Services
2017	62	Schaaf, B. and Feser, F.	Added value of convection-permitting regional climate model simulations for storms over the German Bight and Northern Germany	Meteorology Hydrology and Water Management	accepted				RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	63	Schaaf, B., H. von Storch, and F. Feser	Does Spectral Nudging Have an Effect on Dynamical Downscaling Applied in Small Regional Model Domains?	Monthly Weather Review	145		4303	4311	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	64	Schloen, J.; Stanev, E.V.; Grashorn, S.	Wave-current interactions in the southern North Sea: The impact on salinity	Ocean Modelling	111		19	37	RU 1 - System Analysis and Modelling	Topic 4 - Bridging Research and Society - Products, Tools and Climate Services
2017	65	Schubert-Frisius, M.; Feser, F.; von Storch, H.; Rast, S.	Optimal spectral nudging for global dynamic downscaling	Monthly Weather Review	145	3	909	927	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	66	Schultze, M.; Rockel, B.	Direct and semi-direct effects of aerosol climatologies on long-term climate simulations over Europe	Climate Dynamics			1	24	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	67	Schwichtenberg, F.; Callies, U.; Groll, N.; Maßmann, S.	Effects of chemical dispersants on oil spill drift paths in the German Bight—probabilistic assessment based on numerical ensemble simulations	Geo-Marine Letters	37	2	163	170	RU 1 - System Analysis and Modelling RU 2 - Biogeochemistry in Coastal Seas	Topic 2 - Fragile Coasts and Shelf Seas
2017	68	Siekmann, I.; Bengfort, M.; Malchow, H.	Coexistence of competitors mediated by nonlinear noise	European Physical Journal: Special Topics	226	9	2157	2170	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	69	Singer, A.; Millat, G.; Staneva, J.; Kröncke, I.	Modelling benthic macrofauna and seagrass distribution patterns in a North Sea tidal basin in response to 2050 climatic and environmental scenarios	Estuarine, Coastal and Shelf Science	188		99	108	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	70	Solazzo, E.; Bianconi, R.; Hogrefe, C.; Curci, G.; Tuccella, P.; Alyuz, U.; Balzarini, A.; Baro, R.; Bellasio, R.; Bieser, J.; Brandt, J.; Christensen, J.H.; Colette, A.; Francis, X.; Fraser, A.; Garcia Vivanco, M.; Jiménez-Guerrero, P.; Im, U.; Manders, A.; Nopmongcol, U.; Kitwiroon, N.; Pirovano, G.; Pozzoli, L.; Prank, M.; Sokhi, R.S.; Unal, A.; Yarwood, G.; Galmarini, S.	Evaluation and error apportionment of an ensemble of atmospheric chemistry transport modeling systems: Multivariable temporal and spatial breakdown	Atmospheric Chemistry and Physics	17	4	3001	3054	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	71	Stanev, E. V., P. –M. Poulain, S. Grayek, K. S. Johnson, H. Claustre, J. W. Murray	Understanding the dynamics of the oxic-anoxic interface in the Black Sea	GRL	accepted				RU 1 - System Analysis and Modelling	Topic 4 - Bridging Research and Society - Products, Tools and Climate Services
2017	72	Stanev, E.V.; Grashorn, S.; Zhang, Y.J.	Cascading ocean basins: numerical simulations of the circulation and interbasin exchange in the Azov-Black-Marmara-Mediterranean Seas system	Ocean Dynamics	67	8	1003	1025	RU 1 - System Analysis and Modelling	Topic 4 - Bridging Research and Society - Products, Tools and Climate Services
2017	73	Stanev, E.V.; Grayek, S.; Claustre, H.; Schmechtig, C.; Poteau, A.	Water intrusions and particle signatures in the Black Sea: a Biogeochemical-Argo float investigation	Ocean Dynamics	67	9	1119	1136	RU 1 - System Analysis and Modelling	Topic 4 - Bridging Research and Society - Products, Tools and Climate Services
2017	74	Staneva, J.; Alari, V.; Breivik, Ø.; Bidlot, J.-R.; Mogensen, K.	Effects of wave-induced forcing on a circulation model of the North Sea	Ocean Dynamics	67	1	81	101	RU 1 - System Analysis and Modelling	Topic 4 - Bridging Research and Society - Products, Tools and Climate Services
2017	75	Süsser, D.; Döring, M.; Ratter, B.M.W.	Harvesting energy: Place and local entrepreneurship in community-based renewable energy transition	Energy Policy	101		332	341	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	76	Süsser, D.; Kannen, A.	'Renewables? Yes, please!': perceptions and assessment of community transition induced by renewable-energy projects in North Frisia	Sustainability Science	12	4	563	578	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas

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2017	77	Sutherland, I.J.; Villamagna, A.M.; Dallaire, C.O.; Bennett, E.M.; Chin, A.T.M.; Yeung, A.C.Y.; Lamothe, K.A.; Tomscha, S.A.; Cormier, R.	Undervalued and under pressure: A plea for greater attention toward regulating ecosystem services	Ecological Indicators					RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	78	Taherzadeh, N.; Kerimoglu, O.; Wirtz, K.W.	Can we predict phytoplankton community size structure using size scalings of eco-physiological traits?	Ecological Modelling	360		279	289	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	79	Travnikov, O.; Angot, H.; Artaxo, P.; Bencardino, M.; Bieser, J.; D'Amore, F.; Dastoor, A.; De Simone, F.; Dléguez, M.C.; Dommergue, A.; Ebinghaus, R.; Bin Feng, X.; Gencarelli, C.N.; Hedgecock, I.M.; Magand, O.; Martin, L.; Matthias, V.; Mashyanov, N.; Pirrone, N.; Ramachandran, R.; Alana Read, K.; Ryjkov, A.; Selin, N.E.; Sena, F.; Song, S.; Sprovieri, F.; Wip, D.; Wängberg, I.; Yang, X.	Multi-model study of mercury dispersion in the atmosphere: Atmospheric processes and model evaluation	Atmospheric Chemistry and Physics	17	8	5271	5295	RU 1 - System Analysis and Modelling RU 2 - Biogeochemistry in Coastal Seas	Topic 2 - Fragile Coasts and Shelf Seas
2017	80	Valle-Levinson, A., E. Stanev, T. Badewien	Tidal and subtidal exchange flows at an inlet of the Wadden Sea	ECSS	accepted				RU 1 - System Analysis and Modelling	Topic 4 - Bridging Research and Society - Products, Tools and Climate Services
2017	81	Vivanco, M.G.; Bessagnet, B.; Cuvelier, C.; Theobald, M.R.; Tsyro, S.; Pirovano, G.; Aulinger, A.; Bieser, J.; Calori, G.; Ciarelli, G.; Manders, A.; Mircea, M.; Aksoyoglu, S.; Briganti, G.; Cappelletti, A.; Colette, A.; Couvidat, F.; D'Isidoro, M.; Kranenburg, R.; Meleux, F.; Menut, L.; Pay, M.T.; Rouïl, L.; Silibello, C.; Thunis, P.; Ung, A.	Joint analysis of deposition fluxes and atmospheric concentrations of inorganic nitrogen and sulphur compounds predicted by six chemistry transport models in the frame of the EURODELTAIII project	Atmospheric Environment	151		152	175	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	82	von Storch, H.; Bray, D.	Models, manifestation and attribution of climate change	METEOROLOGY HYDROLOGY AND WATER MANAGEMENT-RESEARCH AND OPERATIONAL APPLICATIONS	5	1	47	52	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	83	von Storch, H.; Feser, F.; Geyer, B.; Klehmet, K.; Li, D.; Rockel, B.; Schubert-Frisius, M.; Tim, N.; Zorita, E.	Regional reanalysis without local data: Exploiting the downscaling paradigm	Journal of Geophysical Research: Atmospheres	122	16	8631	8649	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	84	Wahle, K.; Staneva, J.; Koch, W.; Fenoglio-Marc, L.; Ho-Hagemann, H.T.M.; Stanev, E.V.	An atmosphere–wave regional coupled model: Improving predictions of wave heights and surface winds in the southern North Sea	Ocean Science	13	2	289	301	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas Topic 4 - Bridging Research and Society - Products, Tools and Climate Services
2017	85	Wang, J.; Yang, B.; Ljungqvist, F.C.; Luterbacher, J.; Osborn, T.J.; Briffa, K.R.; Zorita, E.	Internal and external forcing of multidecadal Atlantic climate variability over the past 1,200 years	Nature Geoscience	10	7	512	517	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	86	Weisse, R; Weidemann, H.	Baltic Sea extreme sea levels 1948-2011: Contributions from atmospheric forcing	Proc. IUTAM	25		65	69	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	87	Will, A.; Akhtar, N.; Brauch, J.; Breil, M.; Davin, E.; Ho-Hagemann, H.T.M.; Maisonnave, E.; Thurkow, M.; Weiher, S	The COSMO-CLM 4.8 regional climate model coupled to regional ocean, land surface and global earth system models using OASIS3-MCT: description and performance	GEOSCIENTIFIC MODEL DEVELOPMENT	10	4	1549	1586	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	88	Yi, X.; Hünicke, B.; Tim, N.; Zorita, E.	The relationship between Arabian Sea upwelling and Indian Monsoon revisited in a high resolution ocean simulation	Climate Dynamics			1	13	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	89	Zahn, M., M. Akperov, A. Rinke, F. Feser, I. I. Mokhov	Trends of cyclone characteristics in the Arctic and their patterns from different re-analysis data	Journal of Geophysical Research	accepted				RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas
2017	90	Zhang W. & Wirtz K.	Mutual dependence between sedimentary organic carbon and infaunal macrobenthos resolved by mechanistic modeling	Journal of Geophysical Research: Biogeosciences	122				RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas

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2017	91	Zhang, M.; von Storch, H.	Toward downscaling oceanic hydrodynamics – suitability of a high-resolution OGCM for describing regional ocean variability in the South China Sea	Oceanologia	59	2	166	176	RU 1 - System Analysis and Modelling	Topic 2 - Fragile Coasts and Shelf Seas