

PREFACE peer-reviewed publications
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D.O.I.	Title	Author(s)	Title of the periodical or the series	Publication date
in progress	Climate change adaptation and the role of fuel subsidies: An empirical bio-economic modeling study for an artisanal open-access fishery	Kira Lancker, Anna-Lena Deppenmeier, Teferi Demissie, Jörn O. Schmidt	PLOS ONE	13.08.2019
10.1016/j.foodpol.2019.101740	Assessing the contribution of artisanal fisheries to food security: A bio-economic modeling approach	Kira Lancker, Lorena Fricke, Jörn O. Schmidt	Food Policy	05.08.2019
10.1007/s00382-019-04851-9 Authors' version OA: https://hal.archives-ouvertes.fr/hal-02171957	Is the boreal spring tropical Atlantic variability a precursor of the Equatorial Mode?	Marta Martín-Rey, Alban Lazar	Climate Dynamics	20.06.2019
10.3390/atmos10060335	SST Indexes in the Tropical South Atlantic for Forecasting Rainy Seasons in Northeast Brazil	Gbèkpo Aubains Hounsou-Gbo, Jacques Servain, Moacyr Araujo, Guy Caniaux, Bernard Bourlès, Diogenes Fontenele, Eduardo Sávio P. R. Martins	Atmosphere	19.06.2019
10.3389/fmars.2019.00206	The Tropical Atlantic Observing System	Gregory R. Foltz, Peter Brandt, Ingo Richter, Belén Rodríguez-Fonseca, et al.	Frontiers in Marine Science	10.05.2019
10.1175/JCLI-D-18-0846.1	Relationships Among Inter-model Spread and Biases in Tropical Atlantic Sea Surface Temperatures	Elsa Mohino, Belén Rodríguez-Fonseca, C. Roberto Mechoso, Teresa Losada, Irene Polo	Journal of Climate	07.04.2019
10.1080/23308249.2019.1601157	Vessel Avoidance Response: A Complex Trade-off Between Fish Multisensory Integration and Environmental Variables	Patrice Brehmer, Abdoulaye Sarré, Yvon Guennégan, Jean Guillard	Reviews in Fisheries Science & Aquaculture	07.04.2019

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https://doi.org/10.1029/2018EA000428	PIRATA: A Sustained Observing System for Tropical Atlantic Climate Research and Forecasting	Bernard Bourlès, Moacyr Araujo, Michael J. McPhaden, Peter Brandt, Gregory R. Foltz, Rick Lumpkin, Hervé Giordani, Fabrice Hernandez, Nathalie Lefèvre, Paulo Nobre, Edmo Campos, Ramalingam Saravanan, Janice Trotte - Duhà, Marcus Dengler, Johannes Hahn, Rebecca Hummels, Joke F. Lübbecke, Mathieu Rouault, Leticia Cotrim, Adrienne Sutton, Markus Jochum, Renellys C. Perez	Earth and Space Science	19.03.2019
https://doi.org/10.1007/s00382-019-04717-0	Role of wind stress in driving SST biases in the Tropical Atlantic	Aurore Voldoire, Eleftheria Exarchou, Emilia Sanchez-Gomez, Teferi Demissie, Anna-Lena Deppenmeier, Claudia Frauen, Katerina Goubanova, Wilco Hazeleger, Noel Keenlyside, Shunya Koseki, Chloé Prodhomme, Jonathan Shonk, Thomas Toniazzo, Abdoul-Khadre Traoré	Climate Dynamics	13.03.2019
https://doi.org/10.5194/os-15-83-2019	Frontogenesis of the Angola-Benguela Frontal Zone	Shunya Koseki, Hervé Giordani, Katerina Goubanova	Ocean Science	08.02.2019
https://doi.org/10.1029/2018GL079622	First Evidence of Anoxia and Nitrogen Loss in the Southern Canary Upwelling System	Eric Machu, Xavier Capet, P. A. Estrade, S. Ndoye, J. Brajard, F. Baurand, P. - A. Auger, Alban Lazar, Patrice Brehmer	Geophysical Research Letters	28.01.2019
https://doi.org/10.1111/jfb.13903	Variability of key biological parameters of round sardinella <i>Sardinella aurita</i> and the effects of environmental changes	Bocar S. Baldé, Fambaye N. Sow, Kamarel Ba, Werner Ekau, Patrice Brehmer, Justin Kantoussan, Massal Fall, Malick Diouf	Journal of Fish Biology	22.01.2019

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D.O.I.	Title	Author(s)	Title of the periodical or the series	Publication date
https://doi.org/10.1111/jfb.13881	Spawning energetics and otolith microchemistry provide insights into the stock structure of bonga shad <i>Ethmalosa fimbriata</i>	Julian Döring, Carola Wagner, Maik Tiedemann, Patrice Brehmer, Werner Ekau	Journal of Fish Biology	11.12.2018
https://doi.org/10.1016/j.ocecoaman.2018.12.020	The potential impact of marine protected areas on the Senegalese sardinella fishery	Aliou Ba, Christian Chabou, Jörn Schmidt, Malick Diouf, Massal Fall, Moustapha Dème, Patrice Brehmer	Ocean & Coastal Management	01.03.2019
10.1007/s00382-017-3943-z	On the relationship between Atlantic Niño variability and ocean dynamics	Tina Dippe, Richard Greatbatch, Hui Ding	Climate Dynamics	28.10.2018
https://doi.org/10.1175/MWR-D-18-0184.1	Insights into the summer diurnal cycle over eastern South Africa	Shunya Koseki, Benjamin Pohl, Bhuwan Chandra Bhatt, Noel Keenlyside, Arielle Stela Nkwinkwa Njouodo	Monthly Weather Review	22.10.2018
10.1007/s00382-018-4488-5	Respective impacts of Arctic sea ice decline and increasing greenhouse gases concentration on Sahel precipitation	Paul-Arthur Monerie, Thomas Oudar, Emilia Sanchez-Gomez	Climate Dynamics	09.10.2018
https://doi.org/10.1029/2018JC013837	Sea surface salinity signature of the tropical Atlantic interannual climatic modes	Awo, F. M., Alory, G., Da-Allada, C. Y., Delcroix, T., Jouanno, J., Kestenare, E., Baloitcha, E.	Journal of Geophysical Research: Oceans	17.09.2018
10.1016/j.rsma.2018.08.003	Population dynamics and stock assessment of <i>Ethmalosa fimbriata</i> in Senegal call for fishing regulation measures	Bocar Sabaly Baldé, Patrice Brehmer, Fambaye Ngom Sow, Werner Ekau, Justin Kantoussan, Massal Fall, Malick Diouf	Regional Studies in Marine Science	28.08.2018
10.1007/978-3-319-93284-2_2	Can Climate Models Simulate the Observed Strong Summer Surface Cooling in the Equatorial Atlantic?	Tina Dippe, Martin Krebs, Jan Harlaß, Joke F. Lübbecke	YOUARES 8 – Oceans Across Boundaries: Learning from each other	30.08.2018
10.5194/os-14-849-2018	Impact of intraseasonal wind bursts on sea surface temperature variability in the far eastern tropical Atlantic Ocean during boreal spring 2005 and 2006: focus on the mid-May 2005 event	Gaëlle Herbert, Bernard Bourlès	Ocean Science	27.08.2018
10.1029/2018MS001288	A methodology for anomaly coupling in climate simulation	Thomas Toniazzo, Shunya Koseki	Journal of Advances in Modeling Earth Systems	01.08.2018

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D.O.I.	Title	Author(s)	Title of the periodical or the series	Publication date
10.1029/2018JC014135	Subsurface Fine - Scale Patterns in an Anticyclonic Eddy Off Cap - Vert Peninsula Observed From Glider Measurements	Nicolas Kolodziejczyk, Pierre Testor, Alban Lazar, Vincent Echevin, Gerd Krahnemann, Alexis Chaigneau, Claire Gourcuff, Malick Wade, Saliou Faye, Philippe Estrade, Xavier Capet, Laurent Mortier, Patrice Brehmer, Florian Schütte, Johannes Karstensen	Journal of Geophysical Research - Oceans	18.07.2017
10.1007/s00382-017-3896-2	Causes of the large warm bias in the Angola–Benguela Frontal Zone in the Norwegian Earth System Model	Shunya Koseki , Noel Keenlyside , Teferi Demissie , Thomas Toniazzo , Francois Counillon , Ingo Bethke , Mehmet Ilıcak , Mao-Lin Shen	Climate Dynamics	01.06.2018
10.1016/j.jtbi.2018.03.017	Competition or cooperation in transboundary fish stocks management: Insight from a dynamical model	Trong Hieu Nguyen , Timothée Brochier , Pierre Auger , Viet Duoc Trinh , Patrice Brehmer	Journal of Theoretical Biology	01.06.2018
10.1007/s00382-017-3886-4	Impact of dynamical regionalization on precipitation biases and teleconnections over West Africa	Iñigo Gómara , Elsa Mohino , Teresa Losada , Marta Domínguez , Roberto Suárez-Moreno , Belén Rodríguez-Fonseca	Climate Dynamics	01.06.2018
10.1002/wcc.527	Equatorial Atlantic variability-Modes, mechanisms, and global teleconnections	Joke F. Lübbecke , Belen Rodríguez-Fonseca , Ingo Richter , Marta Martín-Rey , Teresa Losada , Irene Polo , Noel S. Keenlyside	WIREs Climate Change	08.05.2018
10.1016/j.pocean.2018.03.011	Complex small pelagic fish population patterns arising from individual behavioral responses to their environment	Timothée Brochier , Pierre-Amaël Auger , Laure Pecquerie , Eric Machu , Xavier Capet , Modou Thiaw , Baye Cheikh Mbaye , Cheikh-Baye Braham , Omar Ettahiri , Najib Charouki , Ousseynou Ndaw Sène , Francisco Werner , Patrice Brehmer	Progress in Oceanography	01.05.2018

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D.O.I.	Title	Author(s)	Title of the periodical or the series	Publication date
10.1029/2017JC013540	Subseasonal Coastal-Trapped Wave Propagations in the Southeastern Pacific and Atlantic Oceans: 2. Wave Characteristics and Connection With the Equatorial Variability	Serena Illig , Marie-Lou Bachèlery , Emeline Cadier	Journal of Geophysical Research: Oceans	30.04.2018
10.1029/2018GL077138	Improved SST-Precipitation Intraseasonal Relationships in the ECMWF Coupled Climate Reanalysis	Xiangbo Feng , Keith Haines , Chunlei Liu , Eric de Boisséson , Irene Polo	Geophysical Research Letters	28.04.2018
10.1175/JCLI-D-17-0367.1	Interdecadal changes in the leading ocean forcing of Sahelian rainfall interannual variability: Atmospheric dynamics and role of multidecadal SST background.	Roberto Suárez-Moreno , Belén Rodríguez-Fonseca , Jesús A. Barroso , Andreas H. Fink	Journal of Climate	26.04.2018
10.1007/s00382-018-4197-0	Respective roles of remote and local wind stress forcings in the development of warm SST errors in the South-Eastern Tropical Atlantic in a coupled high-resolution model	Katerina Goubanova , Emilia Sanchez-Gomez , Claudia Frauen , Aurore Voltaire	Climate Dynamics	10.04.2018
10.1007/s00382-018-4186-3	Stratospheric role in interdecadal changes of El Niño impacts over Europe	B. Ayarzagüena , J. López-Parages , M. Iza , N. Calvo , B. Rodríguez-Fonseca	Climate Dynamics	02.04.2018
10.1002/joc.5378	Unique relationship between tropical rainfall and SST to the north of the Mozambique Channel in boreal winter	Shunya Koseki , Bhuwan Chandra Bhatt	International Journal of Climatology	01.04.2018
10.1002/joc.5422	Do SST gradients drive the monthly climatological surface wind convergence over the tropical Atlantic?	Moussa Diakhaté , Alban Lazar , Gaëlle de Coëtlogon , Amadou T. Gaye	International Journal of Climatology	01.04.2018
10.1002/2017JC013652	Reconstructing Tropical Pacific Sea Level Variability for the Period 1961-2002 Using a Linear Multimode Model	Richard J. Greatbatch , Xiaoting Zhu , Martin Claus	Journal of Geophysical Research: Oceans	01.03.2018
10.1007/s00382-017-3701-2	Main processes of the Atlantic cold tongue interannual variability	Yann Planon , Aurore Voltaire , Hervé Giordani , Guy Caniaux	Climate Dynamics	01.03.2018
10.1175/BAMS-D-17-0197.1	Eastern boundary circulation and hydrography off Angola – building Angolan oceanographic capacities.	P. Tchikalanga , M. Dengler , P. Brandt , R. Kopte , M. Macuéria , P. Coelho , M. Ostrowski , N. S. Keenlyside	Bulletin of the American Meteorological Society	28.02.2018

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10.1002/2017GL076662	Evidence for the Maintenance of Slowly Varying Equatorial Currents by Intraseasonal Variability	Richard J. Greatbatch , Martin Claus , Peter Brandt , Jan-Dirk Matthießen , Franz Philip Tuchen , François Ascani , Marcus Dengler , John Toole , Christina Roth , J. Thomas Farrar	Geophysical Research Letters	28.02.2018
10.1002/2017GL076849	What Controls ENSO-Amplitude Diversity in Climate Models?	C. Wengel , D. Dommenget , M. Latif , T. Bayr , A. Vijayeta	Geophysical Research Letters	28.02.2018
10.1007/s00382-017-4057-3	Omens of coupled model biases in the CMIP5 AMIP simulations	Alina Găinușă-Bogdan , Frédéric Hourdin , Abdoul Khadre Traore , Pascale Braconnot	Climate Dynamics	20.02.2018
10.1038/s41598-018-20904-1	Sahel rainfall strength and onset improvements due to more realistic Atlantic cold tongue development in a climate model	S. Steinig , J. Harlaß , W. Park , M. Latif	Scientific Reports	07.02.2018
10.1175/JPO-D-17-0111.1	Role of Equatorial Basin-Mode Resonance for the Seasonal Variability of the Angola Current at 11°S	Robert Kopte , Peter Brandt , Martin Claus , Richard J. Greatbatch , Marcus Dengler	Journal of Physical Oceanography	01.02.2018
10.1007/s00382-017-3648-3	Seasonal ENSO phase locking in the Kiel Climate Model: The importance of the equatorial cold sea surface temperature bias	C. Wengel , M. Latif , W. Park , J. Harlaß , T. Bayr	Climate Dynamics	01.02.2018
10.1111/fog.12257	Contrasted optimal environmental windows for both sardinella species in Senegalese waters	Ousmane Diankha , Aliou Ba , Patrice Brehmer , Timothée Brochier , Bamol Ali Sow , Modou Thiaw , Amadou Thierno Gaye , Fambaye Ngom , Hervé Demarcq	Fisheries Oceanography	30.01.2018
10.1175/JCLI-D-16-0459.1	Is There Evidence of Changes in Tropical Atlantic Variability Modes under AMO Phases in the Observational Record?	Marta Martín-Rey , Irene Polo , Belén Rodríguez-Fonseca , Teresa Losada , Alban Lazar	Journal of Climate	01.01.2018
10.1051/alr/2017049	Spatial distribution of main clupeid species in relation to acoustic assessment surveys in the continental shelves of Senegal and The Gambia	Abdoulaye Sarré , Jens-Otto Krakstad , Patrice Brehmer , Ebou Mass Mbye	Aquatic Living Resources	01.01.2018

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10.1038/s41598-017-13144-2	Structural decomposition of decadal climate prediction errors: A Bayesian approach	Davide Zanchettin , Carlo Gaetan , Maeregu Woldeyes Arisido , Kameswarrao Modali , Thomas Toniazzo , Noel Keenlyside , Angelo Rubino	Scientific Reports	01.12.2017
10.1007/s00477-017-1383-2	A Bayesian hierarchical approach for spatial analysis of climate model bias in multi-model ensembles	Maeregu Woldeyes Arisido , Carlo Gaetan , Davide Zanchettin , Angelo Rubino	Stochastic Environmental Research and Risk Assessment	01.12.2017
10.1007/s10236-017-1111-y	The emergence of equatorial deep jets in an idealised primitive equation model: an interpretation in terms of basin modes	Jan-Dirk Matthieß , Richard John Greatbatch , Martin Claus , François Ascani , Peter Brandt	Ocean Dynamics	01.12.2017
10.1186/s40645-017-0121-1	Towards a seamlessly diagnosable expression for the energy flux associated with both equatorial and mid-latitude waves	Hidenori Aiki , Richard J. Greatbatch , Martin Claus	Progress in Earth and Planetary Science	01.12.2017
10.1007/s00382-017-3984-3	Origin of the warm eastern tropical Atlantic SST bias in a climate model	E. Exarchou, C. Prodromou, L. Brodeau, V. Guemas, F. Doblas-Reyes	Climate Dynamics	03.11.2017
10.1111/fog.12224	Does upwelling intensity determine larval fish habitats in upwelling ecosystems? The case of Senegal and Mauritania	Maik Tiedemann , Heino O. Fock , Patrice Brehmer , Julian Döring , Christian Möllmann	Fisheries Oceanography	01.11.2017
10.1088/1748-9326/aa8cda	Impact of internal variability on projections of Sahel precipitation change	Paul-Arthur Monerie , Emilia Sanchez-Gomez , Benjamin Pohl , Jon Robson , Buwen Dong	Environmental Research Letters	01.11.2017
10.1016/j.quascirev.2017.09.012	Detecting the relationship between moisture changes in arid central Asia and East Asia during the Holocene by model-proxy comparison	Xiaojuan Zhang , Liya Jin , Jie Chen , Fahu Chen , Wonsun Park , Birgit Schneider , Mojjib Latif	Quaternary Science Reviews	01.11.2017
	Seasonal predictability of Kiremt rainfall in coupled general circulation models	Stephanie Gleixner , Noel S Keenlyside , Teferi D Demissie , François Counillon , Yiguo Wang , Ellen Viste	Environmental Research Letters	01.11.2017
10.1002/2017MS001081	The Surface Energy Budget Computed at the Grid-Scale of a Climate Model Challenged by Station Data in West Africa	F. B. Diallo , F. Hourdin , C. Rio , A.-K. Traore , L. Mellul , F. Guichard , L. Kergoat	Journal of Advances in Modeling Earth Systems	01.11.2017

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10.1007/s00382-017-3943-z	On the relationship between Atlantic Niño variability and ocean dynamics	Tina Dippe , Richard J. Greatbatch , Hui Ding	Climate Dynamics	28.10.2017
10.1007/s00382-017-3941-1	Influence of decadal sea surface temperature variability on northern Brazil rainfall in CMIP5 simulations	Julián Villamayor , Tércio Ambrizzi , Elsa Mohino	Climate Dynamics	11.10.2017
10.1016/j.ecss.2017.08.003	Composition and structure of the larval fish community related to environmental parameters in a tropical estuary impacted by climate change	Hans Sloterdijk , Patrice Brehmer , Oumar Sadio , Hanno Müller , Julian Döring , Werner Ekau	Estuarine, Coastal and Shelf Science	01.10.2017
10.1002/asl.781	Analogous seasonal evolution of the South Atlantic SST dipole indices	Hyacinth C. Nnamchi , Fred Kucharski , Noel S. Keenlyside , Riccardo Farneti	Atmospheric Science Letters	01.10.2017
10.3989/scimar.04599.06A	Transport pathways of decapod larvae under intense mesoscale activity in the Canary-African coastal transition zone: implications for population connectivity	José M. Landeira , Timothée Brochier , Evan Mason , Fernando Lozano-Soldevilla , Santiago Hernández-León , Eric D. Barton	Scientia Marina	30.09.2017
https://doi.org/10.1111/fog.12218	Effect of environmental conditions on the seasonal and inter-annual variability of small pelagic fish abundance off North-West Africa: The case of both Senegalese sardinella	Modou Thiaw , Pierre-Amaël Auger , Fambaye Ngom , Timothée Brochier , Saliou Faye , Ousmane Diakha , Patrice Brehmer	Fisheries Oceanography	01.09.2017
10.1002/2016JC012330	Modification of sea surface temperature by chlorophyll concentration in the Atlantic upwelling systems	O. Hernandez , J. Jouanno , V. Echevin , O. Aumont	Journal of Geophysical Research: Oceans	01.07.2017
10.1016/j.jmarsys.2017.07.007	Origin, development and demise of the 2010–2011 Benguela Niño	Mathieu Rouault , Serena Illig , Joke Lübbecke , Rodrigue Anicet Imbol Koungue	Journal of Marine Systems	01.07.2017
10.1007/s00382-017-3760-4	Alleviating tropical Atlantic sector biases in the Kiel climate model by enhancing horizontal and vertical atmosphere model resolution: climatology and interannual variability	Jan Harlaß , Mojib Latif , Wonsun Park	Climate Dynamics	14.06.2017
10.1175/JPO-D-16-0126.1	Respective Roles of the Guinea Current and Local Winds on the Coastal Upwelling in the Northern Gulf of Guinea	S. Djakouré , P. Penven , B. Bourlès , V. Koné , J. Veitch	Journal of Physical Oceanography	01.06.2017
10.1002/2016JC012463	Role of interannual Kelvin wave propagations in the equatorial Atlantic on the Angola Benguela Current system	Rodrigue Anicet Imbol Koungue , Serena Illig , Mathieu Rouault	Journal of Geophysical Research: Oceans	01.06.2017

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10.1002/2017GL072789	Dynamics of a “low-enrichment high-retention” upwelling center over the southern Senegal shelf	Siny Ndoye , Xavier Capet , Philippe Estrade , Bamol Sow , Eric Machu , Timothée Brochier , Julian Döring , Patrice Brehmer	Geophysical Research Letters	28.05.2017
10.1002/2016GL072355	Role of internal variability in recent decadal to multidecadal tropical Pacific climate changes	Mohammad Hadi Bordbar , Thomas Martin , Mojib Latif , Wonsun Park	Geophysical Research Letters	16.05.2017
10.1016/j.ecss.2016.12.015	Larval fish assemblages across an upwelling front: Indication for active and passive retention	Maik Tiedemann , Patrice Brehmer	Estuarine, Coastal and Shelf Science	01.03.2017
10.1016/j.marpol.2016.11.008	Profitability and economic drivers of small pelagic fisheries in West Africa: A twenty year perspective	Aliou Ba , Jörn Schmidt , Moustpha Dème , Kira Lancker , Christian Chaboud , Philippe Cury , Djiga Thiao , Malick Diouf , Patrice Brehmer	Marine Policy	01.02.2017
10.1002/2016JC012374	The Angola Current: Flow and hydrographic characteristics as observed at 11°S	R. Kopte , P. Brandt , M. Dengler , P. C. M. Tchipalanga , M. Macuéria , M. Ostrowski	Journal of Geophysical Research: Oceans	01.02.2017
10.1016/j.pocean.2016.10.008	A biophysical model of <i>S. aurita</i> early life history in the northern Gulf of Guinea	Vamara Koné , Christophe Lett , Pierrick Penven , Bernard Bourlès , Sandrine Djakouré	Progress in Oceanography	01.02.2017
10.5194/esd-8-1061-2017	Equatorial Atlantic interannual variability and its relation to dynamic and thermodynamic processes	Julien Jouanno , Olga Hernandez , Emilia Sanchez-Gomez	Earth System Dynamics	01.01.2017
10.1002/2016JC012347	Interannual variability of tropical Pacific sea level from 1993 to 2014	Xiaoting Zhu , Richard J. Greatbatch , Martin Claus	Journal of Geophysical Research: Oceans	01.01.2017
10.1002/2016JC012342	Importance of the Equatorial Undercurrent on the sea surface salinity in the eastern equatorial Atlantic in boreal spring	C. Y. Da-Allada , J. Jouanno , F. Gaillard , N. Kolodziejczyk , C. Maes , N. Reul , B. Bourlès	Journal of Geophysical Research: Oceans	01.01.2017
10.3319/TAO.2016.08.29.01	Sea surface temperature patterns in the Tropical Atlantic: Principal component analysis and nonlinear principal component analysis	Christian Sadem Kenfack , François Kamga Mkankam , Gaël Alory , Yves du Penhoat , Mahouton Norbert Hounkonnou , Derbetini Appolinaire Vondou , Bawe Gerard Nfor Jr.	Terrestrial, Atmospheric and Oceanic Sciences	01.01.2017

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10.1051/alr/2017027	Studying the contribution of different fishing gears to the Sardinella small-scale fishery in Senegalese waters	Ousmane Diankha , Hervé Demarcq , Massal Fall , Djiga Thiao , Modou Thiaw , Bamol Ali Sow , Amadou Thierno Gaye , Patrice Brehmer	Aquatic Living Resources	01.01.2017
10.1175/JPO-D-16-0140.1	Forcing of the Atlantic Equatorial Deep Jets Derived from Observations	Martin Claus , Richard J. Greatbatch , Peter Brandt , John M. Toole	Journal of Physical Oceanography	01.12.2016
10.3402/tellusa.v68.32437	Flow-dependent assimilation of sea surface temperature in isopycnal coordinates with the Norwegian Climate Prediction Model	François Counillon , Noel Keenlyside , Ingo Bethke , Yiguo Wang , Sebastien Billeau , Mao Lin Shen , Mats Bentsen	Tellus, Series A: Dynamic Meteorology and Oceanography	01.12.2016
10.1175/JCLI-D-16-0117.1	Benefits of Increasing the Model Resolution for the Seasonal Forecast Quality in EC-Earth	C. Prodhomme , L. Batté , F. Massonnet , P. Davini , O. Bellprat , V. Guemas , F. J. Doblas-Reyes	Journal of Climate	01.12.2016
10.1007/s00382-015-2738-3	Decadal prediction of Sahel rainfall using dynamics-based indices	Noelia Otero , Elsa Mohino , Marco Gaetani	Climate Dynamics	01.12.2016
10.1175/BAMS-D-15-00274.1	Challenges and Prospects for Reducing Coupled Climate Model SST Biases in the Eastern Tropical Atlantic and Pacific Oceans: The U.S. CLIVAR Eastern Tropical Oceans Synthesis Working Group	Paquita Zuidema , Ping Chang , Brian Medeiros , Ben P. Kirtman , Roberto Mechoso , Edwin K. Schneider , Thomas Toniazzo , Ingo Richter , R. Justin Small , Katinka Bellomo , Peter Brandt , Simon de Szoeke , J. Thomas Farrar , Eunsil Jung , Seiji Kato , Mingkui Li , Christina Patricola , Zaiyu Wang , Robert Wood , Zhao Xu	Bulletin of the American Meteorological Society	01.12.2016
10.1007/s00382-016-3421-z	The El Niño effect on Ethiopian summer rainfall	Stephanie Gleixner , Noel Keenlyside , Ellen Viste , Diriba Korecha	Climate Dynamics	03.11.2016

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10.1175/JPO-D-15-0247.1	On the dynamics of the southern Senegal upwelling center: observed variability from synoptic to super-inertial scales	Xavier Capet , Philippe Estrade , Eric Machu , Siny Ndoye , Jacques Grelet , Alban Lazar , Louis Marié , Denis Dausse , Patrice Brehmer	Journal of Physical Oceanography	02.11.2016
10.1007/s00382-016-3015-9	Abrupt transitions in the NAO control of explosive North Atlantic cyclone development	Iñigo Gómara , Belén Rodríguez-Fonseca , Pablo Zurita-Gotor , Sven Ulbrich , Joaquim G. Pinto	Climate Dynamics	01.11.2016
10.1175/JCLI-D-15-0596.1	Multidecadal Modulation of ENSO Teleconnection with Europe in Late Winter: Analysis of CMIP5 Models	Jorge López Parages , Belén Rodríguez de Fonseca , Elsa Mohino , Teresa Losada	Journal of Climate	01.11.2016
10.1007/s00382-016-3416-9	Decadal prediction of Sahel rainfall: where does the skill (or lack thereof) come from?	Elsa Mohino , Noel Keenlyside , Holger Pohlmann	Climate Dynamics	31.10.2016
10.1002/2016GL071150	Can reducing the incoming energy flux over the Southern Ocean in a CGCM improve its simulation of tropical climate?	Carlos R. Mechoso , Teresa Losada , Shunya Koseki , Elsa Mohino-Harris , Noel Keenlyside , Antonio Castaño-Tierno , Timothy A. Myers , Belen Rodriguez-Fonseca , Thomas Toniazzo	Geophysical Research Letters	28.10.2016
10.1175/JPO-D-15-0248.1	Annual and Semiannual Cycle of Equatorial Atlantic Circulation Associated with Basin-Mode Resonance	Peter Brandt , Martin Claus , Richard J. Greatbatch , Robert Kopte , John M. Toole , William E. Johns , Claus W. Böning	Journal of Physical Oceanography	01.10.2016
http://dx.doi.org/10.1175/JCLI-D-15-0894.1	An equatorial-extratropical dipole structure of the Atlantic Niño	Hyacinth C. Nnamchi , Jianping Li , Fred Kucharski , In-Sik Kang , Noel S. Keenlyside , Ping Chang , Riccardo Farneti	Journal of Climate	27.09.2016
10.1002/2016JC011959	New insights on the upper layer circulation north of the Gulf of Guinea	G. Herbert , B. Bourlès , P. Penven , J. Grelet	Journal of Geophysical Research: Oceans	13.09.2016
10.1016/j.jmarsys.2016.09.003	Seasonal to interannual variability of water mass characteristics and currents on the Namibian shelf	Tim Junker , Volker Mohrholz , Lydia Siegfried , Anja van der Plas	Journal of Marine Systems	12.09.2016

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10.1007/s00382-016-3319-9	The South Atlantic Anticyclone as a key player for the representation of the tropical Atlantic climate in coupled climate models	William Cabos , Dmitry V. Sein , Joaquim G. Pinto , Andreas H. Fink , Nikolay V. Koldunov , Francisco Alvarez , Alfredo Izquierdo , Noel Keenlyside , Daniela Jacob	Climate Dynamics	19.08.2016
10.3390/atmos7070087	A Review of ENSO Influence on the North Atlantic. A Non-Stationary Signal	Belén Rodríguez-Fonseca , Roberto Suárez-Moreno , Blanca Ayarzagüena , Jorge López-Parages , Iñigo Gómara , Julián Villamayor , Elsa Mohino , Teresa Losada , Antonio Castaño-Tierno	Atmosphere	01.07.2016
10.1002/2016JC011719	Revisiting the cause of the eastern equatorial Atlantic cold event in 2009	Kristin Burmeister , Peter Brandt , Joke F. Lübbecke	Journal of Geophysical Research: Oceans	01.07.2016
10.1007/s00382-016-3236-y	On the range of future Sahel precipitation projections and the selection of a sub-sample of CMIP5 models for impact studies	Paul-Arthur Monerie , Emilia Sanchez-Gomez , Julien Boé	Climate Dynamics	16.06.2016
10.1002/2015JD024576	Interannual to interdecadal variability of winter and summer southern African rainfall, and their teleconnections	Bastien Dieppois , Benjamin Pohl , Mathieu Rouault , Mark New , Damian Lawler , Noel Keenlyside	Journal of Geophysical Research: Atmospheres	16.06.2016
10.1007/s00382-016-3206-4	Impact of the Madden Julian Oscillation on the summer West African monsoon in AMIP simulations	Coumba Niang , Elsa Mohino , Amadou T. Gaye , J. Bayo Omosho	Climate Dynamics	16.06.2016
10.1371/journal.pone.0156143	Resilience of Key Biological Parameters of the Senegalese Flat Sardinella to Overfishing and Climate Change	Kamarel Ba , Modou Thiaw , Najih Lazar , Alassane Sarr , Timothée Brochier , Ismaila Ndiaye , Alioune Faye , Oumar Sadio , Jacques Panfili , Omar Thiom Thiaw , Patrice Brehmer	PLoS One	09.06.2016
10.1007/s00382-016-3180-x	Uncertainty in twenty-first century projections of the Atlantic Meridional Overturning Circulation in CMIP3 and CMIP5 models	Annika Reintges , Thomas Martin , Mojib Latif , Noel S. Keenlyside	Climate Dynamics	26.05.2016

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10.5194/bg-2016-156	What drives the spatial variability of primary productivity and matter fluxes in the North-West African upwelling system? A modelling approach and box analysis	Pierre-Amaël Auger , Thomas Gorgues , Eric Machu , Olivier Aumont , Patrice Brehmer	Biogeosciences Discussions	04.05.2016
10.1002/2015JC011021	Do the Amazon and Orinoco freshwater plumes really matter for hurricane-induced ocean surface cooling?	O. Hernandez , J. Jouanno , F. Durand	Journal of Geophysical Research: Oceans	01.04.2016
10.1007/s00382-015-2678-y	Drift dynamics in a coupled model initialized for decadal forecasts	Emilia Sanchez-Gomez , Christophe Cassou , Yohan Ruprich-Robert , Elodie Fernandez , Laurent Terray	Climate Dynamics	01.03.2016
10.1007/s00382-016-2992-z	The Bjerknes feedback in the tropical Atlantic in CMIP5 models	Anna-Lena Deppenmeier , Reindert J. Haarsma , Wilco Hazeleger	Climate Dynamics	10.02.2016
10.1002/2015GL067284	A decadal delayed response of the tropical Pacific to Atlantic multidecadal variability	Davide Zanchettin , Oliver Bothe , Hans F. Graf , Nour-Eddine Omrani , Angelo Rubino , Johann H. Jungclaus	Geophysical Research Letters	28.01.2016
10.1002/2015GL066764	Air moisture control on ocean surface temperature, hidden key to the warm bias enigma	Frédéric Hourdin , Alina Găinuşă-Bogdan , Pascale Braconnot , Jean-Louis Dufresne , Aboul-Khadre Traore , Catherine Rio	Geophysical Research Letters	28.12.2015
10.1038/ncomms9895	Thermodynamic controls of the Atlantic Niño	Hyacinth C. Nnamchi , Jianping Li , Fred Kucharski , In-Sik Kang , Noel S. Keenlyside , Ping Chang , Riccardo Farneti	Nature Communications	26.11.2015
10.1007/s00382-015-2892-7	Seasonal influence of the sea surface temperature on the low atmospheric circulation and precipitation in the eastern equatorial Atlantic	Rémi Meynadier , Gaëlle de Coëtlogon , Marion Leduc-Leballeur , Laurence Eymard , Serge Janicot	Climate Dynamics	17.11.2015
10.1007/s00382-015-2897-2	Tropical atmospheric response to decadal changes in the Atlantic Equatorial Mode	T. Losada , B. Rodríguez-Fonseca	Climate Dynamics	17.11.2015
10.5194/gmd-8-3639-2015	S ⁴ CAST v2.0: sea surface temperature based statistical seasonal forecast model	R. Suárez-Moreno , B. Rodríguez-Fonseca	Geoscientific Model Development	06.11.2015

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10.1002/qj.2657	Intraseasonal variability of tropical Atlantic sea-surface temperature: air-sea interaction over upwelling fronts	Moussa Diakhaté , Gaëlle de Coëtlogon , Alban Lazar , Malick Wade , Amadou T. Gaye	Quarterly Journal of the Royal Meteorological Society	29.09.2015
10.3389/feart.2015.00055	The non-stationary influence of the Atlantic and Pacific Niños on North Eastern South American rainfall	Verónica Torralba , Belén Rodríguez-Fonseca , Elsa Mohino , Teresa Losada	Frontiers in Earth Science	24.09.2015
10.3389/fphy.2015.00076	A model study of the seasonality of sea surface temperature and circulation in the Atlantic North-eastern Tropical Upwelling System	Saliou Faye , Alban Lazar , Bamol A. Sow , Amadou T. Gaye	Frontiers in Physics	15.09.2015
10.1007/s10236-015-0868-0	Multiple timescales of stochastically forced North Atlantic Ocean variability: A model study	Jennifer V. Mecking , Noel S. Keenlyside , Richard J. Greatbatch	Ocean Dynamics	01.09.2015
10.1002/2015GL065062	Atlantic opportunities for ENSO prediction	Marta Martín-Rey , Belén Rodríguez-Fonseca , Irene Polo	Geophysical Research Letters	28.08.2015
10.1007/s10236-015-0855-5	Influence of the equatorial deep jets on the north equatorial countercurrent	Jan-Dirk Matthießen , Richard J. Greatbatch , Peter Brandt , Martin Claus , Sven-Helge Didwischus	Ocean Dynamics	01.08.2015
10.1002/2015GL065095	The Madden-Julian Oscillation in a warmer world	Chiung-Wen June Chang , Wan-Ling Tseng , Huang-Hsiung Hsu , Noel Keenlyside , Ben-Jei Tsuang	Geophysical Research Letters	28.07.2015
10.3389/feart.2015.00037	Growth and decay of the equatorial Atlantic SST mode by means of closed heat budget in a coupled general circulation model	Irene Polo , Alban Lazar , Belen Rodriguez-Fonseca , Juliette Mignot	Frontiers in Earth Science	24.07.2015
10.1002/2015GL064799	The impact of sea surface temperature bias on equatorial Atlantic interannual variability in partially coupled model experiments	Hui Ding , Richard J. Greatbatch , Mojib Latif , Wonsun Park	Geophysical Research Letters	16.07.2015
10.1002/qj.2483	Sensitivity testing of WRF parameterizations on air-sea interaction and its impact on water cycle in the Gulf of Guinea	Rémi Meynadier , G. de Coëtlogon , S. Bastin , L. Eymard , S. Janicot	Quarterly Journal of the Royal Meteorological Society	01.07.2015
10.1002/qj.2483	Sensitivity testing of WRF parameterizations on air-sea interaction and its impact on water cycle in the Gulf of Guinea	Rémi Meynadier , G. de Coëtlogon , S. Bastin , L. Eymard , S. Janicot	Quarterly Journal of the Royal Meteorological Society	01.07.2015

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10.1002/2015JC010865	On the seasonal variations of salinity of the tropical Atlantic mixed layer	I. Camara , Nicolas Kolodziejczyk , Juliette Mignot , Alban Lazar , Amadou T. Gaye	Journal of Geophysical Research: Oceans	19.06.2015
10.1175/JPO-D-14-0171.1	The Deep Equatorial Ocean Circulation in Wind-Forced Numerical Solutions*	François Ascani , Eric Firing , Julian P. McCreary , Peter Brandt , Richard J. Greatbatch	Journal of Physical Oceanography	01.06.2015
10.1016/j.jmarsys.2014.11.006	Ecosystem change in the southern Benguela and the underlying processes	Laura K. Blamey , Lynne J. Shannon , John J. Bolton , Robert J.M. Crawford , Francois Dufois , Hayley Evers-King , Charles L. Griffiths , Laurence Hutchings , Astrid Jarre , Mathieu Rouault , Katherine E. Watermeyer , Henning Winker	Journal of Marine Systems	01.04.2015
10.1016/j.jmarsys.2014.10.006	The relation of wind stress curl and meridional transport in the Benguela upwelling system	Tim Junker , Martin Schmidt , Volker Mohrholz	Journal of Marine Systems	01.03.2015
10.1111/fog.12068	Spatial dynamics of the bearded goby and its key fish predators off Namibia vary with climate and oxygen availability	Anne Gro V. Salvanes , Chris Bartholomae , Dawit Yemane , Mark J. Gibbons , Paul Kainge , Jens-Otto Krakstad , Mathieu Rouault , Arved Staby , Svein Sundby	Fisheries Oceanography	01.03.2015
10.1002/2014GL062473	Robust Sahel drought due to the Interdecadal Pacific Oscillation in CMIP5 simulations	Julián Villamayor and Elsa Mohino	Geophysical Research Letters	28.02.2015
10.1002/2015GL063310	Improving Climate Model Simulation of Tropical Atlantic Sea Surface Temperature: The Importance of Enhanced Vertical Atmosphere Model Resolution	Jan Harlaß , Mojib Latif , Wonsun Park	Geophysical Research Letters	24.02.2015

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10.1175/JCLI-D-14-00130.1	Variability and Predictability of West African Droughts: A Review of the Role of Sea Surface Temperature Anomalies	Belen Rodriguez-Fonseca , Elsa Mohino , Carlos. R. Mechoso , Cyril Caminade , Michela Biasutti , Marco Gaetani , J. Garcia-Serrano , Edward K. Vizy , Kerry Cook , Yongkang Xue , Irene Polo , Teresa Losada , Leonard Druyan , Bernard Fontaine , Juergen Bader , Francisco J. Doblas-Reyes , Lisa Goddard , Serge Janicot , Alberto Arribas , William Lau , Andrew Colman , M. Vellinga , David P. Rowell , Fred Kucharski , Aurore Voldoire	Journal of Climate	09.02.2015
10.1002/2014JC010384	The impact of mean state errors on equatorial Atlantic interannual variability in a climate model	Hui Ding , Noel Keenlyside , Mojib Latif , Wonsun Park , Sebastian Wahl	Journal of Geophysical Research: Oceans	01.02.2015
	Impacts of the Atlantic Equatorial Mode in a warmer climate	Elsa Mohino , Teresa Losada	Climate Dynamics	20.01.2015
10.1007/s00382-015-2480-x	The impact of ENSO on Southern African rainfall in CMIP5 ocean atmosphere coupled climate models	Bastien Dieppois , Mathieu Rouault , Mark New	Climate Dynamics	18.01.2015
10.1007/s00382-014-2354-7	Processes in the Pacific La Niña onset triggered by the Atlantic Niño	Irene Polo , Marta Martin-Rey , Belen Rodriguez-Fonseca , Fred Kucharski , Carlos Roberto Mechoso	Climate Dynamics	01.01.2015
10.1111/fog.12094	Do Sardinella aurita spawning seasons match local retention patterns in the Senegalese-Mauritanian upwelling region?	Baye Cheikh Mbaye , Timothée Brochier , Vincent Echevin , Alban Lazar , Marina Lévy , Evan Mason , Amadou Thierno Gaye , Eric Machu	Fisheries Oceanography	01.01.2015
10.1007/s10236-014-0775-9	Modeled mixed-layer salinity balance in the Gulf of Guinea: seasonal and interannual variability	Casimir Y. Da-Allada , Yves du Penhoat , Julien Jouanno , Gael Alory , Norbert Mahouton Hounkonnou	Ocean Dynamics	01.12.2014

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10.1007/s00382-014-2339-6	Diapycnal heat flux and mixed layer heat budget within the Atlantic Cold Tongue	Rebecca Hummels , Marcus Dengler , Peter Brandt , Michael Schlundt	Climate Dynamics	01.12.2014
10.1002/2014JC010242	SST patterns and dynamics of the southern Senegal-Gambia upwelling center	S. Ndoye , X. Capet , P. Estrade , B. Sow , D. Dagorne , A. Lazar , A. Gaye , P. Brehmer	Journal of Geophysical Research: Oceans	01.12.2014
10.1002/2014JC010021	Mixed layer heat and salinity budgets during the onset of the 2011 Atlantic cold tongue	Michael Schlundt , Peter Brandt , Marcus Dengler , Rebecca Hummels , Tim Fischer , Karl Bumke , Gerd Krahnmann , Johannes Karstensen	Journal of Geophysical Research: Oceans	01.11.2014
10.1007/s00382-014-2315-1	Resolving the upper-ocean warm layer improves the simulation of the Madden–Julian oscillation	Wan-Ling Tseng , Ben-Jei Tsuang , Noel S. Keenlyside , Huang-Hsiung Hsu , Chia-Ying Tu	Climate Dynamics	03.09.2014
10.1007/s00382-014-2305-3	On the Atlantic–Pacific Niños connection: a multidecadal modulated mode	Marta Martín-Rey, Belén Rodríguez-Fonseca, Irene Polo, Fred Kucharski	Climate Dynamics	31.08.2014
10.2989/1814232X.2014.927398	Causes for the recent increase in sea surface salinity in the north-eastern Gulf of Guinea	CY Da-Allada , G Alory , Y du Penhoat , J Jouanno , MN Hounkonnou , E Kestenare	African Journal of Marine Science	03.04.2014
10.1002/2013GL059076	Marine-based multiproxy reconstruction of Atlantic multidecadal variability	Lea Svendsen , Steffen Hetzinger , Noel Keenlyside , Yongqi Gao	Geophysical Research Letters	06.02.2014