

CURRICULUM VITAE GEMA MARTÍNEZ MÉNDEZ

eMail: gema@martinez-mendez.com Telefon: +49 5773815235 Mainstraße 5, 28199 Bremen www.martinez-mendez.com  

CURRENTLY

Nov. 2020-Jan. 2022
(60 ECTS)

Finishing the training: **Projektentwicklung Umwelt-Energie-Nachhaltigkeit** [link](#)
(Project development Environment, Energy, Sustainability) *Akademie für Weiterbildung der Universität Bremen*

- Applied Environmental Sciences
- Environmental and Energy Law
- Environmental techniques and processes
- Renewable Energies
- Project development and management
- Sustainability
- Quality management and management systems in Energy, Environment and Sustainability

PROFESSIONAL EXPERIENCE

Jul. 2018 – Dec. 2019

Postdoctoral Researcher (project PALICE, PI Dr Juliane Müller)
ALFRED-WEGENER-INSTITUT-Helmholtz Zentrum Für Polar und Meeresforschung, Bremerhaven

Feb. 2015-Dec. 2017

Researcher, DFG Own Position, (Project Paleooceanographic Reconstruction of the Antarctic Intermediate Water in the Southeast Pacific Throughout the last 1 Ma, PI)
MARUM-Center for Marine Environmental Sciences, Bremen, Germany

Sep.2013-Jan 2015

Postdoctoral Researcher (project EISPAC-WESTWIND, PIs Dr Mahyar Mohtadi, Prof. Dr Dierk Hebbeln)
MARUM-Center for Marine Environmental Sciences

Sep. 2010-2013

Postdoctoral Researcher (MARUM Fellow, self-designed project about the variability of AAIW, PI)
MARUM-Center for Marine Environmental Sciences

May.-Jun. 2010

Freelance Analyst for
Geochemistry Group of Utrecht University, The Netherlands
Marine Geosciences Group, University of Barcelona, Spain

Mar.-Sep. 2009

Fishing Observer, Spanish Institute of Oceanography (*Instituto Español de Oceanografía*, IEO), Málaga.

Jul. 2008

Collaboration in the project: Follow up of the Experience of Grey Water re-use in Sant Cugat (*Seguiment de l'Experiència d'Aprofitament d'Aigües Grises a Sant Cugat*), (ICTA, UAB), Spain

May 2003-Jun. 2008

Researcher in Formation (PhD Thesis)
Marine Geosciences Group, University of Barcelona (GRGCM, UB), Spain, (2003-2004)
Group for the Study of Oceanic and Climate Processes (ICTA, UAB), Spain, (2005-2008)

Aug.-Dec. 2002

Research Associate (*Wissenschaftliche Zeitangestellte*)
Coastal Research Laboratory, Institute of Geosciences, University of Kiel, Germany

Mar. 2001-Jun. 2002

Laboratory Work Student (*Wissenschaftliche Hilfskraft*)
Department of Paleooceanography, GEOMAR, Kiel, Germany

FORMATION

Mar.-Nov. 2010
(270 h)

Expert in Climate Change, Economics and Environmental Law (online course)
Experto en Cambio Climático, Economía y Derecho Ambiental, EUDE-European Business School, Madrid

2003 - 2008

PhD in Environmental Sciences
Institute of Environmental Science and Technology, Autonomous University of Barcelona, Spain
Institut de Ciència i Tecnologia Ambientals, Universitat Autònoma de Barcelona (ICTA, UAB)
Awarded with the **European Doctorate Mention** and **Extraordinary Doctorate Award** of the UAB
PhD Thesis, Sept. 2008: Surface and Deep Circulation off South Africa: Agulhas Leakage Influence on the Meridional Overturning Circulation During the Last 345 kyr. Supervisor: Prof. Dr Rainer Zahn
Master Thesis ("Tesina"), July 2005: Deep Circulation off South Africa: Northern vs Southern Sources.

2000 - 2002

Master of Science: Coastal Geosciences and Engineering,
Coastal Research Laboratory (CORELAB), University of Kiel, Germany
Master Thesis, September 2002: Estimations of Scour Depth Around Offshore Wind Park Structures on the German Bight. Supervisor: Prof. Dr Roberto Mayerle

1996 - 2001

Diploma: Marine Sciences, University of Vigo, Spain

ATTENDANCE OF COURSES, SEMINARS (SELECTION)

9-12 Aug. 2021	* <i>‘Wissenschaft kommunizieren! Summer Schools für Nachwuchskräfte aus Wissenschaft und Kommunikation.’</i> (Communicate Science! Sommer School for early career researchers and communicators). Online Seminar, Wissenschaft im Dialog, Germany.
22 Aug. 2020	* Online Talk and discussion <i>‘Wo kommen unsere Rohstoffe her? – Fake News und Realität’</i> (Where do our raw materials come from? – Fake News and reality). KlimaWoche Bielefeld, Germany.
22 Aug. 2020	* Online training <i>‘Üben, fertig, los! Klimagespräche mit deinen Abgeordneten’</i> (Practice, ready, go! Climate conversations with your deputies). Schwarm For Future, Germany.
22. 23 Jul. 2020	* Online course <i>‘Basics of science communication: Writing for the Media and the Public’</i> , MARUM.
01 Jul. 2020	* Online Discussion Podium <i>‘Wie politisch darf/soll die Wissenschaft in Zeiten des Klimawandels sein?’</i> (How political can/must be the Science in times of Climate Change?) Enjust - Netzwerk Umweltgerechtigkeit/ Network for Environmental Justice, Kiel, Germany.
18, 20 May 2020	* Online course <i>‘Wissenschaftskommunikation kompakt’</i> (Science Communication Compact), Nationalen Instituts für Wissenschaftskommunikation (NaWik), Germany.
9 Feb. 2018	* Course <i>Selbstführung und Selbstcoaching</i> , (‘Self-guidance and self-coaching’), University of Bremen.
31 Aug.-1 Sep. 2017	* Course <i>Texten für die Öffentlichkeit</i> , (‘Texts for the general public’), University of Bremen, Germany.
07 Feb. 2017	* Course <i>‘The value of the stories’</i> , with José Paniagua, MARUM, Bremen, Germany (organized by myself in the context of the <i>‘Once Upon a Time... a Scientific Fairy Tale’</i> project).
13-14 Oct. 2014	* Course <i>‘Self and Time Management’</i> , MARUM, Bremen, Germany.
4-6 Mar. 2013	* Course <i>‘Communicate your Science’</i> , MARUM, Bremen, Germany.
7 May-16 Jul. 2012	* Course <i>‘Proposal Writing for Natural Scientist’</i> , MARUM, Bremen, Germany.
25-26 Jan. 20 Mar. 2012	* Course <i>‘Project Management’</i> , MARUM, Bremen, Germany.
1-2 Nov. 2011	* Course <i>‘Conflict Management’</i> , MARUM, Bremen, Germany.
17-18 Oct. 2011	* Course <i>‘Statistics II: Uncertainty Evaluation-Fundamentals, Practical Applications’</i> , MARUM, Bremen.
22-25 Aug. 2011	* Course <i>‘Statistics I: Introduction to Statistical Methods in Geosciences’</i> , MARUM, Bremen.
5 Nov. 2009	* <i>Colloquium El Canvi Climàtic, un Repte per als Drets Humans en el Segle XXI: més enllà de Copenhagen</i> (‘Climate Change, a Challenge for Human Rights in the XXI Century: Beyond Copenhagen’), Barcelona, Spain.
20 Ap. 2007	* Training <i>Les Regions Polars i l’Escalfament Global</i> (‘Polar Regions and Global Warming’), Barcelona.
14 Fe.-21 Mar. 2006	* Course <i>Onze Questions Clau en el Canvi Climàtic</i> (‘Eleven Key Questions on Climate Change’), Barcelona.
Mar. 1999	* Course <i>Cambio Global</i> (‘Global Change’), Vigo, Spain.
Nov. 1999	* Course <i>Antártida, un Continente Para la Ciencia</i> (‘Antarctica, a Continent for Science’), Vigo.
30 Nov. 1998	* <i>III Seminario Sobre Ingeniería Geológico-Minera</i> (‘III Training in Geological-Mining Engineering’), Vigo.
20-21 Mar. 1998	* Training <i>Necesidades de Formación Medioambiental na Ría de Vigo</i> (‘Raising Awareness in Environmental Topics of the Ria of Vigo’), Vigo.

LANGUAGES

- Spanish: Mother tongue
- English: Speaking, understanding, writing and reading proficiency
- German: Speaking and understanding good, reading fair, writing regular
- Catalan: Understanding and reading very good, speaking fair, writing regular
- Galician: Understanding and reading very good, speaking fair, writing regular

COMPUTER SKILLS

- MS Office
 - Graphic-programs (Corel, Adobe, InDesign)
 - Web Design (with web-builder)
 - Ocean Data View
 - Paleo Data View
 - Origin
 - Grapher
 - Analyseries
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OUTREACH ACTIVITIES

- Jan. 2017.-Present Coordinator of the Project **'Once Upon a Time... a Scientific Fairy Tale'** [link](#) in which scientist write stories related to environment issues. Coordination of Book 1 with Hadar Elyashiv and Dharma Reyes, main coordinator of Book 2 with support from Hadar Elyashiv.
- Readings of the story Die Bremer Stadtmusikanten lichten den Anker (The Bremen Town Musicians set sail) written by myself within the project 'Once Upon a Time... a Scientific Fairy Tale' followed by discussions with the public about global warming and sea level rise (in German)*
07. Nov. 2021 in the 'Klimabahn', Bremen (in German). [link](#)
15. Mar. 2019 in the framework of the outreach initiative 'Science Goes Public' in the Pub *Das Rüssel*, Bremerhaven.
15. Nov. 2018 in the framework of the outreach initiative 'Science Goes Public' in the Pub *Gastfeld*, Bremen.
- 13 Nov. 2017 with Martina Hollstein, in the Center 'Lebensraum', Bremen.
- 22 Sep. 2017 alone, during the Maritime Week in Bremen.
- 8 Sep. 2017 with Dharma Reyes, Leonardo Tamborrino, Haozhuang Wang and Rebecca Jackson during the MARUM Summer Festival.
- 14 June 2017 with Jana Stone, during the visit to MARUM of for school class 1b Baumschulenweg.
- Organization of reading events of stories about the oceans and the environment (in German) in collaboration*
- 26 Nov.-15 Dec.2018 with the 'Bremen City Gallery' during the exhibition: *'H.C. Anders en – mal anders gesehen. Katharinenpassage*, Bremen.
- 27 Apr. 2018 with the *Instituto Cervantes* and the *Haus der Wissenschaft* in *Haus der Wissenschaft*, Bremen.
- 2014 Part of the MARUM brochure 2014.
- Nov. 2014 Participation in the RV Sonne Open Ship Days.
- 29 Jul. 2012 Invited public talk at the closing ceremony of the academic year 2011/2012 at the High School *Carmen y Severo Ochoa de Albornoz*, Luarca (Asturias, Spain). Talk entitled *Carrera científica en el extranjero. Investigar en MARUM* (Scientific Career in a Foreign Country. Research in MARUM) (in Spanish).
- Essays in Almuña's Local Magazine (Asturias, Spain) (in Spanish)*
- Jul. 2013 *Histórico 'nuevo record' en las emisiones de CO₂* (Historic 'new record' in the CO₂ emissions)
- Jul. 2012 *Foraminíferos: esos pequeños testigos del pasado* (Foraminifera: those little witnesses of the past)
- Jul. 2011 *Relación entre la concentración de CO₂ en el pasado, la temperatura atmosférica y el calentamiento global presente* (Relationship between the CO₂ concentration in the past, atmospheric temperature and present global warming).
- Ap. 2010 Invited essay in the magazine *Investigación y Ciencia* (Spanish Edition of Scientific America). *La Corriente de Agulhas* (The Agulhas Current) (in Spanish).

TEACHING AND EDUCATION

- Assistant in the field trips*
- Mar.12, Jan.16, Mar.20 for Columbia University Students, 'Ancient Reefs up Close', Barbados (x3, 1-week).
- 8-12 Sep. 2014 for Geology Bachelor Students of the University of Bremen, 'Excursion Rügen'.
- 2013-2015 Co-supervision (with Dr Ricardo de Pol-Holz) of the master student Dharma Reyes-Macaya, Universidad de Concepción, Chile. Master Project: 'Intermediate and deep-water mass distribution in the Southeast Pacific during the late Pleistocene and the Holocene'.
- Virtual ship: Core Description (with Dr Stefan Steinke).*
- 9-13 Mar. 2015 ECORD Training Course 2015.
- 22 Sep.-2 Oc. 2014 ECORD Summer School 2014, 'Subseafloor Biosphere: Current Advances and Future Challenges'.
- 9-20 Sep. 2013 ECORD Summer School 2013, 'Deep-Sea Sediments: From Stratigraphy to Age Models'.

- 28 Oct. 2014 Participation in the *Herbspraktikum 2014*, introducing to laboratory techniques (sieving, foraminifera identification and picking) to high school scholars (coordinated by Dr Barbara Donner).
- 18, 25 April 2013 Assistant in the section of the course *Sedimentkern Projektübung* for Bachelor students of Geology in the University of Bremen (Core Description), Bremen (in German). Main lecturer: Dr Daniel Hepp, course organizer: Prof. Dr Tilo von Dobeneck.
- 1 Jul.-31 Aug. 2012 Supervision of the MARUM Summer Student: Itxaso Ruiz Uriarte. Summer Project: 'Estimating the Size Effect on the Isotopic Composition of Epibenthic Foraminifera', MARUM, Bremen.
- 7 Aug. 2012 Seminar for the MARUM 2012 summer students: 'Ocean Circulation and Climate: Present and Past'.
- Feb. 2008 Seminar 'Reconstruction of Agulhas leakage variability' at the Autonomous University of Barcelona, Spain within the outreach project about climate change science *Caravana del Clima* (Climate Caravan) supported by the CRUE (*Conferencia de Rectores de las Universidades Españolas*) and funded by the *Fundación Biodiversidad* (Biodiversity Foundation) (in Spanish).

OTHER ACTIVITIES

- Since Dec. 2021 Vice-president of the association **CERFA** (*Científicos Españoles en la República Federal Alemana*, Spanish Scientists in the Federal Republic of Germany) (honorary).
- Since Oct. 2020 Treasurer of the organization CERFA (honorary).
- Since 2019 Member of the initiative **Scientist for Future**.
- 16 Mar. 2019 *Organizing, in the context of the 'Once Upon a Time... a Scientific Fairy Tale' project, the courses 'Writing scientific stories', with writer in visit Jaspreeth Sign, Hansa Wissenschaftskolleg, Delmenhorst.*
- 07 Feb. 2017 *'The value of the stories', with José Paniagua, MARUM, Bremen.*
- 11 July 2017 *Member of the Thesis Colloquium Committees of Igor Martins Venancio Padilha de Oliveira. Title of the dissertation: 'Planktonic foraminifera as signal carriers in paleoceanography: from modern biology to proxy application in the western South Atlantic'. MARUM, University of Bremen (PhD).*
08. Sep. 2015 *Dharma Reyes-Macaya. Title of the dissertation: 'Distribución de masas de agua intermedias y profundas en el Pacífico Suroriental durante el Pleistoceno Tardío (Intermediate and deep-water mass distribution in the Southeast Pacific during the late Pleistocene). University of Concepción, Chile (Master).*
- 11 July 2014 *Agnes Weimer. Title of the dissertation: 'Genetic diversity and biogeography of living planktonic foraminifers'. MARUM, University of Bremen (PhD).*
24. May 2013 *Enqing Huang. Title of the dissertation: 'Atlantic Meridional overturning Circulation during the Last Glacial and Deglacial: Inferences from the Atlantic Tropical Thermocline Temperature and Seawater Radiocarbon Activity'. MARUM, University of Bremen (PhD).*
- Since Jan. 2017 *Member of GLOMAR PhD Thesis Committees of Dharma Reyes-Macaya, MARUM-Center for Marine Environmental Sciences, University of Bremen with Profs. Dierk Hebbeln, Gerhard Schmiedl, and Drs Mahyar Mohtadi and Andreas Lübke.*
- Jan.15-Dec. 2019 *Muhammad Yusuf Awaluddin, MARUM-Center for Marine Environmental Sciences, University of Bremen with Prof. Dierk Hebbeln and Dr Mahyar Mohtadi.*
- 05-07 Oct. 2015 *Member of the scientific and organizing committee of the 6th Early Career Scientists Conference for Marine and Climate Research: 'Looking Ahead: Oceans, Earth and Human Impact', Kiel.*
- 21-24 Sep. 2014 *5th Early Career Scientists Conference for Marine and Climate Research: 'Natural and Social Aspects of the Earth System', Bremen.*
- Oct.12-Dec. 2017 *Contact person and trainer in the sieving lab of AG Hebbeln, MARUM with Drs Claudia Wienberg, Mahyar Mohtadi and Stefan Steinke.*
- Aug.12-Oct. 2013 *MARUM postdoc representative with Dr Aline Govin.*
- Jul.12-Sep. 2014 *Co-organizer of monthly MARUM postdoc meetings with Dr Alice Lefebvre.*
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AWARDS AND GRANTS

April 2019	Grant, through the association CERFA (<i>Científicos Españoles en la República Federal Alemana</i> , Spanish Scientists in the German Federal Republic), from the Foundation 'Ramón Areces' for developing the second volume of 'Once Upon a Time... a Scientific Fairy Tale' (6100 €).
Jun. 2018	Grant for participating in the CERFA Symposium: Bridging European Science II. Berlin, Germany (150 €).
Feb. 2014	<i>Deutsche Forschungsgemeinschaft</i> (DFG) Own Position Grant. (183 985 €, 24 months TV-L13 100 % position, extended due to illness leave, 01.02.2015-22.12.2017, + funds for research: student helpers, analyses, conferences, publications).
Oct. 2011	Extraordinary Doctorate Award of the Autonomous University of Barcelona, Spain.
Jul. 2010	MARUM Fellowship, Bremen, Germany. (36 months TV-L13 100 % position, 16.09.2010-15.09.2013, + 5000 €/a for research: student helpers, analyses, conferences, publications).
Jul. 2010	Marie Curie Fellowship at the Royal Netherlands Institute for Sea Research (NIOZ) (The Netherlands) within the FP7 project Gateways (declined due to move to Bremen).
Jun. 2010	Post-doctoral Scholarship from <i>Fundación Pedro Barrié de la Maza</i> (Galicia, Spain) for research in the USA (declined due to move to Bremen).
Dec. 2008	Outstanding Student Paper Award at the AGU Fall Meeting, San Francisco for the talk: Influence of Agulhas Leakage on the Meridional Overturning Circulation (MOC): Insights From Paired Planktonic and Benthic Foraminifera Stable Isotope and Trace Metal Analyses Over the Last 345 kyr.
Feb. 2008	Grant for participating in Symposium: Effects of Climate Change on the World's Oceans, held in Gijón, Spain, 19-23 May 2008 (250 €).
Ag. 2007	Grant for participating in the 9 th International Conference on Paleoceanography in Shanghai, 2007 (600 €).
Sep. 2004	Student Poster Prize at the 8 th International Conference on Paleoceanography (ICP8), Biarritz France for the poster: Benthic-Planktonic Isotope and Flow-Speed Records From the Agulhas Corridor.
Ap.-Jun. 2008	Glamour Scholarship for young scientific women (6000 €).
May-Oct. 2007	ICTA Scholarship for junior researchers (6 months PhD salary).
Aug.-Dec. 2005	Spanish Ministry of Education and Science grant for 5-months research at Oxford University (5000 €).
May 03-Apr. 2007	FPI PhD Scholarship from the Spanish Ministry of Education and Science (53 900 €).
Oct. 00-Jun. 2001	Erasmus Scholarship for studies at the University of Kiel, Germany.
Jul. 1996	Scholarship of the high school 'Carmen y Severo Ochoa' Luarca (Spain) for 1-month English course in the UK.
Jun. 1995	Extraordinary High School Award of the Province of Asturias, Spain.

FIELD EXPERIENCE

	<i>Assistant in the Field Trips</i>
Mar.12/Jan.16/Mar.20	'Ancient Reefs up Close', Barbados for Columbia University Students.
08-12 Sep. 2014	'Geology of Rügen', for University of Bremen students, Rügen (Germany).
14-23 Oct. 2014	RV Sonne (Germany). Test expedition of the new research vessel Sonne SO9, Bremerhaven-Emden.
29 Aug. 2012	Teaching Expedition with RV Littorina to the Eckernförde Bay pockmark field with Summer Students.
	<i>Paleoceanographic expeditions</i>
29 Jun.-30 Jul. 2015	RV Maria S. Merian (Germany), MSM44, Nuuk-Nuuk (Greenland).
30 May-23 Jun. 2013	RV Sonne (Germany), SO228, Jayapura (Indonesia)–Townsville (Australia).
02-29 Nov. 2010	RV Sonne (Germany), SO211, Valparaíso-Valparaíso (Chile).
25 Nov.-13 Dec. 2009	RV Pelagia (The Netherlands), 64PE315, Barcelona (Spain) - Corfu (Greece).
7-17 Jun. 2004	RV Marion Dufresne (France), MD141, Leg 2: Lisbon (Portugal) - Cardiff (UK).
13 Dec.03-10 Jan.04	RV Charles Darwin (United Kingdom), CD154, Durban - Cape Town (South Africa).
22 May-12 Jun. 2002	RV Sonne (Germany), SO164, Leg 1: Balboa (Panama) - Guadalupe (France). Project: RASTA.
Mar.-Sep. 2009	Sailing in Spanish traditional fishing ships in the Mediterranean as <i>Fishing Observer</i> .
15-18 Jul. 2008	Sampling campaign with diving suit in Cap de Creus (Catalonia, Spain). Project: MAPUCHE.
15-17.23-24 Ap. 2002	RV Suedfall (Germany). Coastal surveys in the German Bight.

PUBLICATIONS

PEER REVIEW

- 2021 Isotopic characterization of water masses in the Southeast Pacific region: Paleoceanographic implications. Reyes-Macaya, D., Hoogakker, B., Martínez-Méndez, G., Llanillo, P., Grasse, P., Mohtadi, M., Mix, A., Leng, M.J., Struck, U., McCorckle, D., Troncoso, M., Gayo, E.M., Lange, C.B., Farias, L., Carhuapoma, W., Graco, M., Cornejo-D'Ottone, M., De Pol Holz, R., Fernandez, C., Narvaez, D., Vargas, Cr.A., García-Araya, F., Hebbeln, D., JGR Oceans, doi.org/10.1029/2021JC017525.
- 2020 Chen, Y., Huang, E., Schefuß, E., Mohtadi, M., Steinke, S., Liu, J., **Martínez-Méndez, G.**, Tian, J., Wetland expansions on the continental shelf of the northern South China Sea during deglacial sea level rises. Quaternary Sciences Reviews. Vol. 231, 106202, doi.org/10.1016/j.quascirev.2020.106202.
- Lu, W., Rickaby, R.E.M., Thomas, E., Hoogakker, B., Rathburn, T., Burkett, A., Dickson, A., **Martínez-Méndez, G.**, Hillenbrand, Cl.-D., Zhou, X., Lu, Z., I/Ca in epifaunal benthic foraminifera: a semi-quantitative proxy for bottom water oxygen used in a multi-proxy compilation for glacial ocean deoxygenation. Earth and Planetary Science Letters, Vol. 533, 116055, doi.org/10.1016/j.epsl.2019.116055.
- 2019 Lamy, F., Chiang, J.C.H., **Martínez-Méndez, G.**, Thierens, M., Arz, H.W., Bosmans, J.H.C., Hebbeln, D., Lambert, F., Stuut, J.-B. (2019), Precessional changes of the South Pacific subtropical jet over the past 1 million years. PNAS, vol. 117 no 45, doi.org/10.1073/pnas.1905847116.
- Waelbroeck, Cl., Lougheed, Br. C., Vazquez Riveiro, N., Missiaen, L., Pedro, J., Dokken, Tr., Hajdas, I., Wacker, L., Abbott, P., Dumoulin, J.-P., Thil, P., Eynaud, F. Rossignol, L., Fersi, W., Albuquerque, A.-L., Arz, H., Austin, W. E. N., Came, R., Carlson, A.E., Collins, J.A., Dennielou, B., Desprat, S, Dickson, A., Elliot, M., Farmer, Ch., Giraudeau, J., Gottschalk, J., Henderiks, J., Huguen, K., Jung, S., Knutz, P., Lebreiro, S., Lund, D. C., Lynch-Stieglitz, J., Malaizé, Br., Marchitto, Th., **Martínez-Méndez, G.**, Mollenhauer, G., Naughton, F., Nave, S., Nürnberg, D., Oppo, D., Peck, V., Peeters, F., Penaud, A., Portilho Ramos, R. C., Repschläger, J., Roberts, J., Rühlemann, C., Salgueiro, E., Sanchez Goni, M. F., Schönfeld, J., Scussolini, P., Skinner, L. C., Skonieczny, Ch., Thornalley, D., Toucanne, S., Van Rooij, D., Vidal, L., Voelker, A., Wary, M., Weldeab, S., Ziegler, M., Consistently dated Atlantic sediment cores over the last 40 thousand years. Science Data 6, 165, doi.org/10.1038/s41597-019-0173-8.
- 2018 Huang, E., Chen, Y., Schefuß, E., Steinke, S., Liu, J., Tian, J., **Martínez-Méndez, G.**, Mohtadi, M., Precession and glacial-cycle controls of monsoon precipitation isotope changes over East Asia during the Pleistocene. Earth and Planetary Science Letters, 494, 1-11, doi.org/10.1016/j.epsl.2018.04.046.
- Hollstein, M., Mohtadi, M., Rosenthal, Y., Prange, M., Oppo, D., **Martínez-Méndez, G.**, Tachikawa, K., Moffa-Sanchez, P., Steinke, S., Hebbeln, D., Variations in Western Pacific Warm Pool surface and thermocline conditions over the past 110,000 years: Forcing mechanisms and implications for the glacial Walker circulation. Quaternary Science Reviews, 201, 429-445, doi.org/10.1016/j.quascirev.2018.10.030.
- Lehmann, N., Granger, J., Kienast, M., Brown, K.S., Rafter, P.A., **Martínez-Méndez, G.**, Mohtadi, M., Isotopic Evidence of the Evolution of Subsurface Nitrate in the Western Equatorial Pacific. Journal of Geophysical Research. <https://doi.org/10.1002/2017JC013527>. *Editors' highlights 10/4/2018: <https://eos.org/editors-highlights/unraveling-hemispheric-ocean-nitrate-supply-pathways>.*
- 2017 Hollstein, M., Mohtadi, M., Rosenthal, Y., Moffa Sanchez, P., Oppo, D., **Martínez-Méndez, G.**, Steinke, S., Hebbeln, D., Stable oxygen isotopes and Mg/Ca in planktic foraminifera from modern surface sediments of the Western Pacific Warm Pool: Implications for thermocline reconstructions. Paleoceanography, 32, doi.org/10.1002/2017PA003122.
- Schmittner, A., Bostock, H.C., Curry, W.B., Galbraith, E.D., Gottschalk, J., Herguera, J.C., Hoogakker, B., Jaccard, S., Lisiecki, L.E., Lund, D.C., **Martínez-Méndez, G.**, Lynch-Stieglitz, J., Mackensen, A., Michel, E., Mix, A.C., Oppo, D.W., Peterson, C.D., Repschläger, J., Sikes, E.L., Spero, H.J., Waelbroeck, C., Calibration of the Carbon Isotope Composition ($\delta^{13}\text{C}$) of Benthic Foraminifera. Paleoceanography, 32, doi.org/10.1002/2016PA003072.
- 2014 Mejía, L. M., Ziveri, P., Cagnetti, M., Bolton, C., Zahn, R., Marino, G., **Martínez-Méndez, G.**, Stoll, H., Effects of midlatitude westerlies on the paleoproductivity at the Agulhas Bank slope during the penultimate glacial cycle: evidence from coccolith Sr/Ca ratios. Paleoceanography, 29, doi.org/10.1002/2013PA002589.

- 2013 **Martínez-Méndez, G.**, Hebbeln, D., Mohtadi, M., Lamy, F., De Pol-Holz, R., Reyes-Macaya, D., Freudenthal, T., Changes in the advection of Antarctic Intermediate Water to the northern Chilean coast during the past 970 kyr. *Paleoceanography*, 28, doi.org/10.1002/palo.20047.
- 2010 **Martínez-Méndez, G.**, Zahn, R., Hall, I. R., Peeters, F. J. C., Pena, L. D., Cacho, I., Negre, C., Contrasting multiproxy reconstructions of surface ocean hydrography in the Agulhas Corridor and implications for the Agulhas Leakage during the last 345,000 years, *Paleoceanography*, doi.org/10.1029/2009PA001879.
- Negre, C., Zahn, R., Thomas, A., Masqué, P., Henderson, G., **Martínez-Méndez, G.**, Hall, I., Mas, J.L., Reversed flow of Atlantic Deep Water during the Last Glacial Maximum. *Nature*, 468, 84-88. doi.org/10.1038/nature09508.
- 2009 **Martínez-Méndez, G.**, Molyneux, E., Hall, I.R., Zahn, R., Variable water column structure of the South Atlantic on glacial-interglacial time scales. *Quaternary Science Reviews*, 28, 3379–3387. doi.org/10.1016/j.quascirev.2009.09.022.
- 2008 **Martínez-Méndez, G.**, Zahn, R., Hall, I.R., Pena, L.D., Cacho, I., 345,000-year-long multi-proxy records off South Africa document variable contributions of Northern *versus* Southern Component Water to the deep South Atlantic. *Earth and Planetary Science Letters*, 267, 309-321. doi.org/10.1016/j.epsl.2007.11.050.

ESSAYS

- 2017 Schmittner, A., **Martínez-Méndez, G.**, Mix, A., Repschläger, J. Report 2nd OC3 Meeting, Corvallis, USA, 27-29 June 2017. Regional carbon isotope syntheses from the last deglaciation. *PAGES Magazine*, vol. 25, No 3, 154, Dec. 2017.
- 2013 Roop, H., **Martínez-Méndez, G.**, Mills, K. The art of science communication: traps, tips and tasks for the modern-day scientist. *PAGES news*, vol. 21, No 2, 90, August 2013,
- Martínez-Méndez, G.**, *Histórico ‘nuevo record’ en las emisiones de CO₂* (Historic ‘new record’ in the CO₂ emissions). Essay in Almuña’s Local Magazine, (Asturias, Spain), July 2013.
- 2012 **Martínez-Méndez, G.**, *Foraminíferos: esos pequeños testigos del pasado* (Foraminifera: those little witnesses of the past). Almuña’s Local Magazine (Asturias, Spain). Invited note, July 2012.
- 2011 **Martínez-Méndez, G.**, *Relación entre la concentración de CO₂ en el pasado, la temperatura atmosférica y el calentamiento global presente* (Relationship between the CO₂ concentration in the past, atmospheric temperature and present global warming). Almuña’s Local Magazine. Invited note, July 2011.
- 2010 **Martínez-Méndez, G.**, *La Corriente de Agulhas* (The Agulhas Current). *Investigación y Ciencia* (Spanish Edition of Scientific America). Invited note, April 2010.

REPORTS

- 2015 RV Maria S. Merian MSM44 BAFFFAST Past Greenland Ice Sheet dynamics, *Palaeoceanography and Plankton Ecology in the Northeast Baffin Bay*. Report 44-46. Boris Dorschel, B., Afanasyeva, V., Bender, B., Dreutter, S., Eisermann, H., Gebhardt, A.C., Hansen, K., Hebbeln, D., Jackson, R., Jeltsch-Thömmes, A., Jensen, L., Kolling, H., Le Duc, C., Lenz, K.-Fr., Lübben, B., Madaj, L., **Martínez Méndez, G.**, Meyer-Schack, B., Schade, T., Siccha, M., Slabon, P., Wagner, D.J.
- 2013 RV Sonne Cruise Report SO228 EISPAC-WESTWIND. Report 295. Mohtadi, M., Bergmann, F., Blanquera, R.V.C., Buleka, J., Carag, J.W.M., Carrière-Garwood, J., Dassié, E.P., Fernando, A.G.S., Gernhardt, F., Ghasemifard, H., Groeneveld, J., Hathorne, E.C., Huang, C.-C., Huang, E., Janßen, C.G., Kerrigan, E., Kienast, M., Kremer, A., Kwiatkowski, C.R., Lehnen, C., Lückge, A., Mai, H.A., **Martínez-Méndez, G.**, Meyer-Schack, B.I.G., Nishibayashi, M.H., Plaß, A., Quevedo, J.M.D., Rincón, M., Schwenk, T.A., Seeba, H., Setiawan, R.Y., Steinke, S., Tevlone, A., Wenau, S., Yu, P.-S.
- 2011 RV Sonne Cruise Report SO211 ChiMeBo. Report no 279. Hebbeln, D., Mohtadi, M., Avila, A., Bergenthal, M., Caniupan, M., De Pol-Holz, R., Duessmann, R., Freudenthal, T., Janssen, C., Kaszemeik, K., Keil, H., Klann, M., Klar, S., Lange, C., Marchant, M., **Martinez, G.**, Mix, A. Renken, J., Reyes, D., Rosiak, U., Schmidt, W., Seiter, C., Spiess, V., Stachowski, A., Wenau, S.
- 2009 Multidisciplinary study Of Continental/Ocean Climate dynamics using High-resolution records from the eastern Mediterranean (MOCCHA). Barcelona 25 November 2009–Corfu 13 December 2009. Cruise Report. De Lange, G., Goudeu, M.-L. and Casalino, C. with contributions of cruise participants.
- 2004 Cruise Report-RRS Charles Darwin Cruise 154. Agulhas ‘Leakage’ and Abrupt Climate Change. Durban-Cape Town 13 December 2003-10 January 2004. Cardiff University, School of Earth, Ocean and Planetary Sciences. Hall, I. and Zahn, R. with contributions of cruise participants.
- 2002 RV Sonne Cruise Report SO164 RASTA: Rapid Climate Changes in the Western Tropical Atlantic – Assessment of the Biogenous and Sedimentary Record. Balboa-Balboa May 22-June 28, 2002. Edited by Dirk Nürnberg, Joachim Schönfeld, Wolf-Christian Dullo and Carsten Rühlemann with contributions of cruise participants. Kiel 2003 GEOMAR Report 109.

ORAL PRESENTATIONS AT CONFERENCES AND WORKSHOPS

- 19-21 Sep. 2018 **Martínez-Méndez, G.**, Hebbeln, D., Mohtadi, M., Lamy, F., Water mass geometry off Chile: the last 110 ka BP with emphasis in the deglaciation. *Workshop Atmosphere-ocean changes in the Southeast Pacific – from glacial/interglacial to instrumental time scales, Hanse-Wissenschaftskolleg, Delmenhorst, Germany.*
- 27-29 Jun. 2017 **Martínez-Méndez, G.**, Reyes-Macaya, D., Awaluddin, M.Y., Hollstein, M., Martínez-Fontaire, C., Mohtadi, M., De Pol-Holz, R., Southon, J., Steinke, S., Hebbeln, D. Last deglacial planktic and benthic foraminifera $\delta^{13}\text{C}$ records from the Southeast and Western Equatorial Pacific. *Workshop Ocean Circulation and Carbon Cycling during the Last Deglaciation: Regional Syntheses of Carbon Isotope Data, Corvallis, USA.*
- 5-7 Oct. 2015 **Martínez-Méndez, G.**, Awaluddin, Y., Steinke, S., Southon, J., Mohtadi, M., Is the deep Pacific a reservoir of atmospheric CO_2 during glacials? Old School talk at the 6th Early Career Scientists Conference for Marine and Climate Research (ECC), Kiel, Germany.
- 9 Sep. 2015 **Martínez-Méndez, G.**, Perspectivas del hemisferio sur sobre la Circulación Oceánica Global. Registros paleoceanográficos de las rutas de retorno ‘Cálida y Fría’. (*Views from the Southern Ocean about the General Ocean Circulation. Paleoceanographic records from the ‘Warm and Cold’ Water Routes*). *Invited seminar at the Universidad de Concepción, Concepción, Chile.*
- 12-13 Feb. 2015 **Martínez-Méndez, G.**, Kienast, M., Groeneveld, J., Kwiatkowski, C., Mohtadi, M., Multi-tracer reconstruction of the water column characteristics off Mindanao and off Papua New Guinea with focus on the intermediate depth layer. *Sonne Status Seminar 2015, Bremen, Germany.*
- 8 Dec. 2013 **Martínez-Méndez, G.**, Hebbeln, D., Mohtadi, M., Lamy, F., De Pol-Holz, R., Reyes-Macaya, D., Freudenthal, T. Changes in the advection of Antarctic Intermediate Water to the northern Chilean coast during the past 970 kyr. *Invited seminar, AWI, Bremerhaven, Germany.*
- 13-16 Feb. 2013 **Martínez-Méndez, G.**, Hebbeln, D., Mohtadi, M., Thierens, M., Lamy, F. and Freudenthal, T., Increase proportion of Antarctic Intermediate Water off Northern Chile (27.5°S) in Glacial Periods Over the Past Million Years. 4th PAGES Open Science Meeting. *The Past: A Compass for Future Earth, Goa, India.*
- 2 Oct. 2012 **Twin talks** during the *Do you Dare? session: experimental approaches of effective science communication at the 3rd Young Scientist Conference: Interdisciplinary Approaches to Global Change, Kiel, Germany.* **Gema Martínez-Méndez** held the presentation on the research topic of Alice Lefebvre entitled: ‘Modelling Flow Separation Over Bedforms’ and Alice Lefebvre held the presentation on **Gema Martínez-Méndez’s** research entitled: ‘Intermediate Water Shifts in the Southeast Pacific: the Last 1 Million Year’.
- 13 Dec. 2011 **Martínez-Méndez, G.** Paleorecords from the ‘Warm Water Route’ of the Global Ocean Circulation and Perspectives into the ‘Cold Water Route’. *Invited seminar, Institute for Marine and Coastal Sciences, Rutgers University, New Jersey, USA.*
- 21 Nov. 2011 **Martínez-Méndez, G.** Paleorecords from the ‘Warm Water Route’ of the Global Ocean Circulation and Perspectives into the ‘Cold Water Route’. *Invited seminar, Institute for Geosciences, University of Kiel.*
- 30 June 2011 **Martínez-Méndez, G.** Paleorecords from the ‘Warm Water Route’ of the Global Ocean Circulation and Perspectives into the ‘Cold Water Route’. *Invited seminar, AWI, Bremerhaven, Germany.*
- 17 May 2011 **Martínez-Méndez, G.**, What does the Agulhas Current have to do with Tuna populations? and Tuna populations with Antarctic Intermediate Water? From PhD to Postdoc: the non-linear path. *Invited GLOMAR Seminar, University of Bremen, Germany.*
- 5 July 2010 **Martínez-Méndez, G.**, Key Players in the Great Ocean Conveyor Belt: a Paleo-perspective from the South Hemisphere, *Symposium on ‘The Ocean in the Earth System’, MARUM, University of Bremen.*
- 5-9 Dec. 2008 **Martínez-Méndez, G.**, Zahn, R., Hall, I.R., Peeters, F., Pena, L.D. and Cacho, I., Kroon, D., Schneider, R. Influence of Agulhas Leakage on the Meridional Overturning Circulation (MOC): Insights From Paired Planktonic and Benthic Foraminifera Stable Isotope and Trace Metal Analyses Over the Last 345 kyr. *AGU Fall Meeting, San Francisco, USA. Recipient of an Outstanding Student Paper Award.*
- Oct. 2008 **Martínez-Méndez, G.** and collaborators. Surface and Deep Circulation in the Agulhas Region, Insights from the Past. *Invited Seminar, Institut de Ciències del Mar, ICM, Barcelona, Spain.*
- 24-29 Ap. 2005 **Martínez-Méndez, G.**, Zahn, R., Hall, I.R., Downy, F. Deep Circulation off South Africa: Northern vs Southern Hemisphere Sources. *EGU General Assembly, Vienna, Austria.*

CO-AUTHOR IN ORAL PRESENTATIONS AT CONFERENCES AND WORKSHOPS

- 22-26 Jul. 2019 Müller, J., Lamping, N., Vorrath, M.-E., **Martínez-Méndez, G.**, Esper, O., Hefter, J., Mollenhauer, G., Kuhn, G., Hillenbrand, Cl.-D. Ice-shelf and sea-ice dynamics: the biomarker perspective. *13th International Symposium on Antarctic Earth Sciences (ISAES 2019), Incheon, South Korea (invited)*.
- 12-13 Feb. 2015 Steinke, S., **Martínez-Méndez, G.**, De Pol-Holz, R., Hebbeln, D., Mohtadi, M. Interglacial variations of the East Asian summer monsoon (INVERS): age models and surface water reconstructions. *Sonne Status Seminar 2015, Bremen, Germany*.
- 12-13 Feb. 2015 Mohtadi, M. und Fahrtteilnehmer. Westpazifisches Wärmebecken: Fahrtbericht und erste Ergebnisse. *Sonne Status Seminar 2015, Bremen, Germany*.
- 14-15 Feb. 2013 Hebbeln, D., Lamy, F., Freudenthal, T., Meyer, I., Mohtadi, M., **Martínez-Méndez, G.**, Thierens, M. Paleoenvironmental History of the Peru-Chile Current and Chilean Neighbourhood Along the Last Glacial-Interglacial Cycles (ChiMeBo). *Sonne Status Seminar 2013, Kiel, Germany*.
- 3-8 Ap. 2011 Freudenthal, T., Hebbeln, D., Mohtadi, M., **Martínez-Méndez, G.**, Wefer, G. 70 m double hole drillings for paleoceanographic research with the sea floor drill rig MeBo. *EGU General Assembly, Vienna, Austria*.
- 22-26 Feb. 2010 Zahn, R. Hall, I.R., Marino, G., **Martínez-Méndez, G.**, Peeters, P., Ziveri, P. Paleoclimatological records indicate rhythmic changes of Agulhas Current transports and Indian-Atlantic gateway circulation. *Ocean Science Meeting, Portland, Oregon, USA*.
- 11-13 Feb. 2009 Zahn, R., Negre, C., **Martínez-Méndez, G.**, Masqué, P., Rosell-Melé, A., Ziveri, P. Agulhas Current warm water transports during the past 350,000 years: implications for ocean climatology and linking with the Atlantic MOC. *Clivar Meeting. Clima en España, Pasado, Presente y Futuro, Madrid, Spain*.
- 15-19 Dec. 2008 Zahn, R., **Martínez-Méndez, G.**, Negre, C., Hall, I.R., van der Meer, M. Multi-Proxy Records for Testing the Role of Indian-Atlantic Gateway Circulation and Inter-Ocean Exchanges in Modulating the Atlantic MOC. *AGU Fall Meeting, San Francisco, USA*.
- 15-19 Dec. 2008 Negre, C., Thomas, A.L., Mas, J.L., **Martínez-Méndez, G.**, Nuñez, N., Hall, I.R., Henderson, G.M., Masqué, P., Rosell-Melé, A., Zahn, R. A New Sedimentary ²³¹Pa/²³⁰Th Record From the South Atlantic: Further Insight Into Atlantic Meridional Overturning Circulation (MOC) Through the Last 45 kyr. *AGU Fall Meeting, San Francisco, USA*.

POSTERS AT CONFERENCES AND WORKSHOPS

- 2-6 Sep. 2019 **Martínez-Méndez, G.**, Müller, J., Mollenhauer, G., Hefter, J. and the IODP expedition 374 participants. Biomarker results from IODP site U1524 (Ross Sea) and PS111/15-2 (Weddell Sea) from MIS 5 to the Holocene: Upper ocean temperatures and past (ice algae) productivity. *13th International Conference on Paleoceanography (ICP13), Sydney, Australia (presented by second author)*.
- 2-6 Sep. 2019 Müller, J., **Martínez-Méndez, G.**, Geibert, W., Esper, O., Haas, Ch., Kuhn, G. A 220-yr record of Antarctic Peninsula climate: the multi-proxy perspective. *ICP13, Sydney, Australia*.
- 6-9 Sep. 2018 **Martínez-Méndez, G.**, Hebbeln, D., Mohtadi, M., Lamy, F., Water mass geometry off Chile: the last deglaciation. *Workshop Ocean Circulation and Carbon Cycling during the Last Deglaciation: Regional Syntheses of Carbon Isotope Data, Cambridge, UK*.
- 10-14 Dec. 2018 Tamborrino L., and Once Upon a Time (OUAT) Team members. Once Upon a Time... A Scientific Fairy Tale – Explaining Ocean Research to Children and Adults. *AGU Fall Meeting, Washington, USA (outreach project)*.
- 4-7 Nov. 2018 Korpanty, C., and OUAT Team members. Fairy godmothers or foraminifera? Using storytelling to communicate marine science. *Geological Society of America Annual Meeting, Indianapolis, Indiana, USA (outreach project)*.
- 30 Nov. 1 Dec. 2018 Hernández-Almeida, I., and OUAT Team members. Once Upon a Time... – Using fictional stories to educate about climate, oceans and science. *16th Swiss Geosciences Meeting, Bern 2018 (outreach project)*.
- 2 Jun. 2018 **Martínez Méndez, G.**, and OUAT Team members. Once Upon a Time, Scientific Fairy Tales Explaining Topics Related to the Discovery, Protection and Use of the Ocean. *Symposium: Bridging European Science II. Berlin, Germany (outreach project)*. **Awarded with the 1st Poster Prize.**

- 11-15 Dec. 2017 **Martínez-Méndez, G.**, Lamy, F., Mohtadi, M., Hebbeln, D. Did Antarctic Intermediate Water in the Southeast Pacific expanded vertically or only deepened? *AGU Fall Meeting, New Orleans, USA.*
- 11-15 Dec. 2017 **Martínez-Méndez, G.**, and OUAT Team members. Once Upon a Time... A Scientific Fairy Tale *AGU Fall Meeting, New Orleans, USA (outreach project).*
- 13-18 Aug. 2017 Reyes-Macaya, D. and OUAT Team Members. Once upon a time, scientific fairy tales promoting the discovery, protection and use of the ocean. *Goldschmidt 2017, Paris, France (outreach project).*
- 29 Aug. 2 Sep. 2016 Awaluddin, M.Y., Mohtadi, M., **Martínez-Méndez, G.**, Steinke, S., Johnstone, H., Rosenthal, Y., Hebbeln, D. A record of bottom water temperature and seawater $\delta^{18}\text{O}$ for the western Pacific warm pool over the past 60,000 years based on Mg/Ca of benthic foraminifera. *12th International Conference on Paleoceanography (ICP12), Utrecht, The Netherlands.*
- 29 Aug. 2 Sep. 2016 Hollstein, M., Mohtadi, M., Rosenthal, Y., Moffa-Sanchez, P., **Martínez-Méndez, G.**, Oppo, D., Steinke, S., Hebbeln, D. Western Pacific near surface hydrography reflected in shells of planktic foraminifera. *ICP12.*
- 29 Aug. 2 Sep. 2016 Hollstein, M., Mohtadi, M., Rosenthal, Y., Oppo, D., **Martínez-Méndez, G.**, Steinke, S., Moffa-Sanchez, P., Hebbeln, D. Millennial-scale variations in Western Pacific Warm Pool (sub)surface conditions over the past 110,000 years. *ICP12.*
- 29 Aug. 2 Sep. 2016 Kienest, M., Lehmann, N., **Martínez-Méndez, G.**, Hathorne, E., Plaß, A., Hollstein, M., Granger, J., Mohtadi, M. Tracing ocean circulation in the Western Equatorial Pacific with carbon, nitrate, and neodymium isotopes. *ICP12.*
- 29 Aug.-2 Sep. 2016 Kienest, M., Lehmann, N., Granger, J., Hollstein, M., **Martínez-Méndez, G.**, Mohtadi, M. Western Equatorial Pacific nitrogen isotope dynamics during the last 25,000 yrs: A tale of two hemispheres. *ICP12.*
- 26 Jul.-2 Aug. 2015 Reyes-Macaya, D., De Pol-Holz, R., Mohtadi, M., **Martínez-Méndez, G.**, Hebbeln, D., Mix A., McCorkle, D. Last glacial maximum vs. Holocene water mass geometry changes in the eastern South Pacific. *XIX INQUA Congress, Nagoya, Japan.*
- 22-23 Jan. 2015 Reyes-Macaya, D., De Pol-Holz, R., Mohtadi, M., **Martínez-Méndez, G.**, Hebbeln, D., Mix A., D. McCorkle. Changes in ocean circulation in the East South Pacific from the Last Glacial Maximum to Holocene. *PAGES-South American Paleoscience Symposium, Las Cruces, Valparaíso, Chile.*
- 15-19 Dec. 2014 **Martínez-Méndez, G.**, Awaluddin, Y., Steinke, S., Southon, J., Mohtadi, M., Searching for the conduit waters of old glacial carbon: deglacial intermediate to deepwater records from the western sub-equatorial Pacific. *AGU Fall Meeting, San Francisco, USA.*
- 15-19 Dec. 2014 Groeneveld, J., **Martínez-Méndez, G.**, Hebbeln, D., Lamy, F., Mohtadi, M. Glacial sea surface and subsurface temperature reconstructions off northern Chile (27.5°S) from 970 ka to present. *AGU Fall Meeting.*
- 15-19 Dec. 2014 Caniupán, M., **Martínez-Méndez, G.**, Lamy, F., Hebbeln, D., Mohtadi, M., Pantoja, S. Sea surface temperature variability of the Peru-Chile Current during the previous ten interglacials. *AGU Fall Meeting.*
- 21-24 Sep. 2014 **Martínez-Méndez, G.**, Groeneveld, J., Hebbeln, D., Lamy, F., Mohtadi, M. Sea surface and subsurface temperature reconstructions off northern Chile (27.5°S) from 970,000 years to present. *5th Early Career Scientists Conference for Marine and Climate Research: Natural and Social Aspects of the Earth System, Bremen, Germany.*
- 1-6 Sep. 2013 **Martínez-Méndez, G.**, Groeneveld, J., Mohtadi, M., Hebbeln, D., Lamy, F. Changes in the upper water-column stratification off northern Chile (27.5°S) during the past ca 1 Ma. *11th International Conference on Paleoceanography (ICP11), Sitges, Barcelona, Spain.*
- 1-6 Sep. 2013 Ruiz, I., **Martínez-Méndez, G.**, Hebbeln, D., Mohtadi, M. Estimation of a size effect on the stable isotopic composition of *Fontbotia wuellerstorfi* and *Cibicides kullenbergi*. *ICP11.*
- 1-6 Sep. 2013 Reyes-Macaya, D., De Pol-Holz, R., Mohtadi, M., **Martínez-Méndez, G.** Water mass distribution during the last glacial-interglacial transition and late Holocene in the Eastern South Pacific. *ICP11. Awarded with a Student Poster Prize to D. Reyes-Macaya.*
- 11-12 Feb. 2013 **Martínez-Méndez, G.**, Hebbeln, D., Mohtadi, M., Thierens, M., Lamy, F., Freudenthal, T., Increase Proportion of Antarctic Intermediate Water off Northern Chile (27.5°S) in Glacial Periods Over the Past Million Years. *2nd PAGES Young Scientist Meeting, Goa, India.*

- 14-15 Feb. 2013 **Martínez-Méndez, G.**, Hebbeln, D., Mohtadi, M., Thierens, M., Lamy, F., Freudenthal, T., Increase Proportion of Antarctic Intermediate Water off Northern Chile (27°S) in Glacial Periods Over the Past Million Years. *Sonne Status Seminar 2013, Kiel, Germany*.
- 14-15 Feb. 2013 Caniupán, M., Lamy, F., Hebbeln, D., **Martínez-Méndez, G.**, Mohtadi, M. Changes in Sea Surface Water Temperatures in the Peru-Chile Current During the Last Four Interglacials (SO211). *Sonne Status Seminar*.
- 14-15 Feb. 2013 Thierens, M., Lamy, F., Hebbeln, D., **Martínez-Méndez, G.** Changes of the Continental Climate in Northern Chile on Orbital Time Scales Over the Last 1 Million Years (SO211). *Sonne Status Seminar*.
- 28-29 Jan. 2013 Steinmann, L., Spiess, V., Keil, H., **Martínez-Méndez, G.** Contouritic Sedimentation on the Upper Slope of the Northern Chilean Margin. *Dialogue between Contourite and Oceanography Processes – International Workshop, University of Hull, United Kingdom*.
- 1-2 Oct. 2012 **Martínez-Méndez, G.**, Hebbeln, D., Mohtadi, M., Thierens, M., Lamy, F., Freudenthal, T., Changes in the Mixing Ratio Between Antarctic Intermediate Water and Pacific Deep Water in the Southeast Pacific During the Last 1 Million Year. *3rd Young Scientist Conference: Interdisciplinary Approaches to Global Change, Kiel, Germany*.
- 5-9 Dec. 2011 **Martínez-Méndez, G.**, Thierens, M., Mohtadi, M., Hebbeln, D., Lamy, F., Freudenthal, T., Long-term Records of Antarctic Intermediate Water Variability off Northern Chile (SE Pacific). *AGU Fall Meeting, San Francisco, USA*.
- 29 Aug. 3 Sep. 2010 **Martínez-Méndez, G.**, Zahn, R., Hall, I.R., Peeters, F., Pena, L.D., Cacho, I., Negre, C. 345-kyr Long Paired Planktonic Mg/Ca- $\delta^{18}\text{O}$ Records From the Agulhas Corridor Reveal Changes in Indian-Atlantic Water Transports. *10th International Conference on Paleoceanography (ICP10), San Diego, USA (presented by 2nd author)*.
- 29 Aug. 3 Sep. 2010 Marino, G., Zahn, R., Ziveri, P., Kim, J.-H., Hall, I., **Martínez Méndez, G.**, Rodríguez Sanz, L., Mortyn, G., Schneider, R., Millennial-scale Variability of the Greater Agulhas Current System During the Penultimate Glacial Cycle. *ICP10*.
- 19-23 May 2008 **Martínez-Méndez, G.**, Zahn, R., Hall, I.R., Peeters, F., Pena, L.D., Cacho, I. Paleoceanography of the Agulhas Current and Ensuing Indian-Atlantic Water Exchange as a Leading Component of Atlantic MOC Shifts. *Symposium: Effects of Climate Change on the World's Oceans. Gijón, Spain*.
- 3-7 Sep. 2007 **Martínez-Méndez, G.**, Zahn, R., Hall, I.R., Pena, L.D. and Cacho, I. Deep Water Circulation of the South Atlantic During the Last 345 kyr: Northern vs Southern Sources. *9th International Conference on Paleoceanography (ICP9), Shanghai, China*.
- 3-7 Sep. 2007 Negre, C., Mas, J.L., Pere Masqué, P., Thomas, A.L., Henderson, G.M., **Martínez-Méndez, G.**, Zahn, R. $^{231}\text{Pa}/^{230}\text{Th}$ Analysis in South Atlantic Deep-Sea Sediments: Experimental Setup and Perspectives. *ICP9*.
- 5-9 Dec. 2005 **Martínez-Méndez, G.**, Zahn, R., Hall, I.R., Rickaby, R.E.M. Multi-Proxy Approach to the Atlantic-Indian Water Interchange Along the Last Three Glacial-Interglacial Cycles. *AGU Fall Meeting, San Francisco, USA*.
- 3-4 Oct. 2005 **Martínez-Méndez, G.**, Zahn, R., Hall, I.R. Paleocirculation Proxies off South Africa: Chemical Ventilation (benthic foraminiferal $\delta^{13}\text{C}$) vs Physical Circulation (Sortable Silt Mean Size, \overline{SS}). *Biogeochemical Controls on Paleoceanographic Proxies. Geological Society, London, UK*.
- 5-10 Sep. 2004 **Martínez-Méndez, G.**, Zahn, R., Hall, I.R. Atlantic-Indian Inter-Ocean Exchange: Multi-Centennial Benthic-Planktonic Isotope and Flow-Speed Records From the Agulhas Corridor. *8th International Conference on Paleoceanography (ICP8), Biarritz, France. Awarded with a Student Poster Prize*.
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