

Teresa Alexandra Ribeiro Rodrigues

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PRESENT-DAY INSTITUTIONAL ADDRESS:

Instituto Português do Mar e da Atmosfera (IPMA),

Divisão de Geologia e Georecursos Marinhos,

Estrada da Portela, Zambujal, Apartado 7586, 2721-866 Alfragide, Portugal

EDUCATION

2004-2009 Doctorate in Marine Science, Universitat Politècnica da Catalunya, Barcelona, Spain

2004-2005 Diploma Advanced Studies, Universitat Politècnica da Catalunya, Barcelona, Spain

2002-2004 Master in Geochemistry, University of Aveiro, Portugal

1998-2000 Diploma in Chemical Engineer, Engineering Institute of Lisbon, Portugal

1993-1997 Diploma Technical Chemical Engineer, Engineering Institute of Lisbon, Portugal

CURRENT POSITION

Jun. 2010- Pos-Doctorate position in the research project “COASTAL UPWELLING, SEA SURFACE TEMPERATURE, PRODUCTIVITY, HYDROLOGY AND ATMOSPHERIC pCO₂ AT PAST EXTREME CLIMATE CONDITIONS” This grant is financed by the “Fundação para a Ciência e a Tecnologia-FCT” and is developed at the: a) Laboratório Nacional de Energia e Geologia, Unidade de Geologia Marinha (LNEG-UGM) Lisbon Portugal; b) College of Oceanic and Atmospheric Sciences Oregon State University, Corvallis, USA

The major aims of this project is to evaluate the importance of coastal upwelling regions to the global carbon cycle and to evaluate hydrological conditions in the hinterland of the upwelling areas during the two most recent climate extremes periods as during past interglacials on the Portuguese margin. Such investigation will be done by using high-resolution biomarkers (alkenones, n-alkane, n-alcohols) records combined with stable isotope ($\delta^{13}\text{C}$, δ^{D}) measurements on those biomarkers.

PREVIOUS SCIENTIFIC / PROFESSIONAL ACTIVITIES

- 2009-2010 Pos-Doctorate position in the research project (Valorización de los recursos naturales de la cuenca hidrográfica del Miño-Minho, Xunta de Galicia-Consejería de Medio Ambiente y Desarrollo Sostenible, programa de cooperación transfronteriza Espanha~Portugal.
- 2004-2008 PhD grant, in the research project “Reconstrução das condições climáticas na Margem Portuguesa durante os extremos interglaciares” financed by the “Fundação para a Ciência e a Tecnologia-FCT” and is developed at the: a) Marine Geology department, Instituto Nacional de Energia Tecnologia Industrial (INETI), Lisbon Portugal with the supervision of Professor Fátima Abrantes; b) and Institute of Environmental Assessment and Water Research (IDÆA-CSIC), Barcelona with supervision of Professor Joan Grimalt.
- 2003-2004 Research Scholarship, at Marine Geology Department Instituto Geológico e Mineiro (IGM),
- 2002-2003 Master grant with work plan: “Estudo de variações climáticas e inputs terrígenos no Prodelta Tejo através da aplicação de n-alcanos e n-alcoois e do índice $U_{37}^{K\prime\prime}$ financed by INGMAR projectd of Marine Geology Department. at Instituto Geológico e Mineiro
- 2000-2002 Training grant on Grain size analyses at sedimentology laboratory of Marine Geology Department. Instituto Geológico e Mineiro
- 1997-1999 Lab. Technician, Promalte Arkady

RESEARCH INTERESTS

The main research scientific areas is to evaluate the importance of coastal upwelling regions to the global carbon cycle and to evaluate hydrological conditions in the hinterland of the upwelling areas during the present and past interglacials on the Portuguese margin. Through the use of high-resolution biomarkers (alkenones, n-alkane, n-alcohols) records combined with stable isotope ($\delta^{13}C$, δ^2H) measurements on those biomarkers.

MAJOR RESEARCH INTERESTS

Climate Change; Paleoclimatology; Proxies in Paleoceanography; High Frequency Climatic Change; Organic Geochemistry; Environmental Chemistry; Analytical Chemistry.

EXPERTISE

During my career I acquired some skills and competencies on earth and marine sciences. I've a longstanding career in palaeoceanography/ paleoclimatology and I have extensive knowledge in geochemical laboratory techniques and requirements acquired in the Department of Environmental Chemistry; Institute of Environmental Assessment and Water Research (IDÆA-CSIC) during the master and PhD thesis . My general focus has been on sediment samples preparation to Gaschromatography (GC) analyses, however, I'm also competent in sedimentological and geochemistry analysis and procedures. At UGM- LNEG, I was in charge of implementation and supervised the Biogeochemistry laboratory according with laboratories International Organization for Stardization

Aside from laboratory experience, I have extensive knowledge of many database, graphical and sespecific GC software programs.

OCEANOGRAFIC CRUISES

Oct. 2003 - Scientific cruise PO304, carried out aboard the German research ship POSEIDON, within the scope of the SEDPORT Project. This collaborative project aims to investigate the impact of strong climatic oscillations that have occurred in the North Atlantic and over adjacent continents. It focusses on sedimentary processes and depositional features on the Portuguese shelf and upper slope. As part of the SEDPORT cruise team aboard POSEIDON members of the Vrije Universiteit Amsterdam (Simon Jung) and the Instituto Geológico e Mineiro de Portugal, (Lúcia de Abreu and Teresa Rodrigues) were responsible for sampling living plankton at stations on a number of transects perpendicular to the Portuguese coast

Sept. 2001- "Training through Research (TTR- 11) Program" on board of the research vessel *Professor Logachev*. Physical, chemical and geological data acquisition on Sea Mountain on the Portuguese EEZ. August 20th until 3rd September

RESEARCH PROJECTS

International Projects

2012 - Eurofleets "Regional 1" 2010 (European Commission) Long-term effects of continued trawling on deep-water muddy grounds, Coordinated by Margarida Castro, Universidade do Algarve, Portugal.

2012-2015 "Holocene Paleo-climate and hydrological reconstruction on the Upper Guadiana (Tablas de Daimiel), Post-glacial evolution and climate of the Guadiana shelf", Coordinated by: Francisco Jose Lobo, do CSIC-IACT, Granada, Spain

2010-2013 EXCAPA (Vertical exportation of biogenic material in the NW Iberian Peninsula upwelling system). Funded by: Xunta de Galicia (10MDS402013PR). Coordinated by: Dra. Carmen G. Castro Consejo Superior de Investigaciones Científicas, Vigo, Spain.

2009-2011 Natura_Miño_Minho "Valorización de los recursos naturales de la cuenca hidrográfica del Miño-Minho2. Projecto de cooperação transfronteriça co-financiado pelo Programa de Cooperação Transfronteiriça Espanha-Portugal (POCTEP/FEDER).

2008- 2009 Consolider-Ingenio 2100 Project CE-CSD2007-0067 Coordinated by Joan O. Grimalt Department of Environmental Chemistry; Institute of Environmental Assessment and Water Research (IDÆA-CSIC), Barcelona, Spain

2003-2007 Sedport (PDCTM/40017/2003) "Sedimentation Processes on the Portuguese Margin: the role of the continental climate, ocean circulation, sea-level and neotectonics". Coordinated by Ralph Schneider, University of Kiel, Germany

2003-2006 Holseemer (EVK2-CT-2000-00060) "Late Holocene Shallow Marine Environment of Europe". Coordinated by James Scorse, Bangor University, England

Nationally Funded Projects:

2013-2015 DiatBio PTDC/AAG-GLO/3737/2012) "Cheking coastal upwelling related diatoms' biomarkers: potencial proxy for primary productivity reconstructions" FCT Portugal project. Coordinated by Fátima Abrantes, Divisão de Geologia e Georecursos Marinhos, Instituto Português do Mar e da Atmosfera (IPMA), Portugal

2013-2015 MOWCADYM (PTDC/MAR-PRO/3761/2012) "Surface and Mediterranean Outflow Water Dynamics in the Gulf of Cadiz during the Pleistocene" FCT Portugal project. Coordinated by Antje Voelker, Divisão de Geologia e Georecursos Marinhos, Instituto Português do Mar e da Atmosfera (IPMA), Portugal

2010-2013 CLIMHOL (PDCT/MAR/ 100157/2008) "Holocene climatic variability in the North Atlantic and adjacent landmasses: land-sea direct correlation"; FCT Portugal project. Coordinated by Filipa Naughton, Unidade de Geologia Marinha, Laboratório Nacional de Energia e Geologia, Alfragide Portugal

2010-2013 CALIBERIA (PDCT/MAR/102045/2008) " Multi-proxy Calibration along the NW Iberian margin: Improving paleoceanographic reconstructions ". FCT Portugal project, Coordinated by Emilia Salgueiro, Unidade de Geologia Marinha, Laboratório Nacional de Energia e Geologia, Alfragide Portugal

2004-2008 PORTO (PDCT/MMAR/56282/2004) "Past Ocean Circulation and Productivity Changes on the Portuguese Margin and in the Open North Atlantic: Northern Hemisphere- Antarctic linkages 800,000 to 380,000 years ago". Coordinated by Antje Voelker, Unidade de Geologia Marinha, Laboratório Nacional de Energia e Geologia, Alfragide Portugal

2004-2008 CUPEX (PDCT/MAR/56963/2004) "Coastal Upwelling's Natural Variability: the last two Climate Extremes (21,000 ± 2,000 Cal-yr BP and 8,000 ± 1,500 Cal-yr BP)". Coordinated by Fátima Abrantes, Unidade de Geologia Marinha, Laboratório Nacional de Energia e Geologia, Alfragide Portugal

2000-2004 INGMAR (Investigação em Geologia Marina; FCT Portugal project), Coordinated by Fátima Abrantes, Departamento de Geologia Marinha, Instituto Geológico e Mineiro, Alfragide Portugal

COMMITTEE MEMBERSHIPS

Reviewer of project proposals submitted to NWO (Netherlands Organization for Scientific Research Earth and Sciences).

PUBLICATIONS AND PRESENTATIONS

THESIS:

PhD - **Teresa Rodrigues**, High-resolution Climate Study of the Past (570,000 to 300,000 years) and Present Interglacial in the Iberian Margin: a biomarkers view. Universitat Politècnica de Catalunya, pp.315, Barcelona, Spain, November 2009.

Master - **Teresa Rodrigues**; Climatic variation and Terrigenous input in Tagus Prodelta during the last 13,5ka; Geoscience Department; Universidade de Aveiro, Portugal, February 2004.

PEER-REVIEWED PAPERS:

2013- Hodell, D.A., Lourens, L., Stow, D.A.V., Hernández-Molina, J., Alvarez Zarikian, C.A., the Shackleton Site Project Members: F. Abrantes, G. D. Acton, A. Bahr, B. Balestra, E. Llave Barranco, G. Carrara, S. Crowhurst, E. Ducassou, R. D. Flood, J.-A. Flores, S. Furota, J. Grimalt, P. Grunert, F. J. Jimenez-Espejo, J. Kyoung Kim, T. Konijnendijk, L. A. Krissek, J. Kuroda, B. Li, J. Lofi, V. Margari, B. Martrat, M. D. Miller, F. Nanayama, N. Nishida, C. Richter, **T. Rodrigues**, F. J. Rodríguez-Tovar, A. C. Freixo Roque, M. F. Sanchez Goni, F. J. Sierro Sánchez, A. D. Singh, L. Skinner, C. R. Sloss, Y. Takashimizu, R. Tjallingii, A. Tzanova, C. Tzedakis, A. Voelker, C. Xuan, and T. Williams . The "Shackleton Site" (IODP Site U1385) on the Iberian Margin. *Sci. Dril.* 16, 13-19. www.sci-dril.net/16/13/2013/, doi:10.5194/sd-16-13-2013.

2013 - Palumbo E., Flores J. A., Perugia C., Emanuele D., Petrillo Z., **Rodrigues T.**, Voelker A. H.L., Amore F. O; LAST 24 KA BP ABRUPT VARIABILITY RECORDED BY COCCOLITHOPHORE ASSEMBLAGES OFF IBERIAN MARGIN (CORE MD03-2699); *Journal of Quaternary Science*.

2011- Abrantes, F., **Rodrigues, T.**, Montanari, B., Santos, C., Witt, L., Lopes, C., Voelker, A. H. L.; Climate of the last millennium at the southern pole of the North Atlantic Oscillation: an inner-shelf sediment record of flooding and upwelling, *Climate Research*, 48(2-3), 261-280.

2011-**Rodrigues, T.**, A.H.L. Voelker, J. O. Grimalt, F. Abrantes, and F. Naughton; Iberian Margin Sea Surface Temperature during MIS 15 to 9 (580-300 ka): Glacial suborbital variability vs interglacial stability, 26, PA001927; *Paleoceanography*, doi:10.1029/2010PA001927

2010-José-Abel Flores, Elena Colmenero-Hidalgo, Alejandra E. Mejía Molina, Karl-Heinz Baumann, Jorijntje Henderiks, Kristina Larson, Channarayapattana Prabhu, Francisco J. Sierro and **Teresa Rodrigues**; Distribution of large *Emiliania huxleyi* specimens in the Central and Northeast Atlantic during the last 25,000 years and its utility to monitor the onset of warm conditions, *Marine Micropaleontology* 76, 53–66

- 2010-**Teresa Rodrigues**, Joan O. Grimalt, Fatima Abrantes, Filipa Naughton, José-Abel Flores, The last glacial-interglacial transition (LGIT) in the western mid-latitudes of the North Atlantic: abrupt sea surface temperature change and sea level implications, *Quaternary Science Reviews* 29, 1853-1862, doi:10.1016/j.quascirev.2010.07.017
- 2010-Antje H. L. Voelker, **Teresa Rodrigues**, Ruediger Stein, Katharina Billups, Delia Oppo, Jerry McManus, Jens Hefter, Joan O. Grimalt, Variations in mid-latitude North Atlantic surface water properties during the mid-Brunhes: Does Marine Isotope Stage 11 stand out?, *Climate of the Past*, 6, 531–552, doi:10.5194/cp-6-531-2010.
- 2009-**T. Rodrigues**, J.O. Grimalt, F. Abrantes, J. A. Flores, S. Lebreiro; Interdependences of changes in sea surface temperature, productivity and fluvial inputs in the continental shelf of the Iberian margin (Tagus mud patch) during the Holocene, *Geochemistry Geophysics Geosystems*, 10, doi: 10.1029/2008GC002367
- 2009-Abrantes F., Lopes C., **Rodrigues T.**, Gil I., Witt L., Grimalt J. and Harris I., Proxy calibration to instrumental dataset: Implications for paleoceanographic reconstructions, Volume 10, Number 9, Q09U07, doi:10.1029/2009GC002604
- 2006-S.M. Lebreiro, G. Francés, F.F.G. Abrantes, P. Diz, H.B. Bartels-Jónsdóttir, Z.N. Stroynowski, I.M. Gil, L.D. Pena, **T. Rodrigues**, P.D. Jones, M.A. Nombela, I. Alejo, K.R. Briffa, I. Harris and J.O. Grimalt; Climate change and coastal hydrographic response along the Atlantic Iberian margin (Tagus Prodelta and Muros Ría) during the last two millennia; *The Holocene* 16,7; pp. 1003_ 1015
- 2006-Jón Eirýksson, Helga Bára Bartels-Jónsdóttir, Alix G. Cage, Esther Ruth Gudmundsdóttir, Dorthe Klitgaard-Kristensen, Fabienne Marret, **Teresa Rodrigues**, Fatima Abrantes, William E.N. Austin, Hui Jiang, Karen-Luise Knudsen and Hans-Petter Sejrup; Variability of the North Atlantic Current during the last 2000 years based on shelf bottom water and sea surface temperatures along an open ocean/ shallow marine transect in western Europe; *The Holocene* 16, 7 pp. 1017_ 1029.
- 2005-Abrantes, F; Lebreiro, S; **Rodrigues, T**; Gil, I; Jonsdottir, H; Oliveira, P.; Kissel, C; Grimalt, J. O.; Shallow marine sediment cores record climate variability and earthquake activity off Lisbon (Portugal) for the last 2000 years, *Quaternary Science Reviews*,

CHAPTERS IN BOOKS:

Abrantes, F., Voelker, A., Sierro, F.J., Naughton, F., **Rodrigues, T.**, Cacho, I., Ariztegui, D., Brayshaw, D., Sicre, M.-A., Batista, L., 2012, Paleoclimate Variability in the Mediterranean Region, *In*: Lionello, P., ed., *Mediterranean Climate: from Past to the Future*.

PEER-REVIEWED PAPERS – SUBMITTED:

Helga B. Bartels-Jónsdóttir, Antje H. L. Voelker, Fatima G. Abrantes, Emilia Salgueiro, **Teresa Rodrigues** and Karen Luise Knudsen; High-frequency surface water variability in the Tagus prodelta off Lisbon during the last two millennia. Submitted to Marine Micropaleontology.

Oliveira, D., Naughton, F., Trigo, R., Rodrigues, T. Jouanneau, J.-M., Weber, O., Rodriguez, J., Pascual, A., Noiva, J., Abrantes, F., Voelker, A., Martinez, B., Domingues, S. (submitted) The role of blocking events during the 8.2 ka event over the mid-latitudes of the eastern North Atlantic region. Submitted to “The Holocene”.

OTHER PAPERS IN SCIENTIFIC PERIODICALS:

Teresa Rodrigues, Fátima G. Abrantes, Antje H. L. Voelker and Joan O. Grimalt, Sea Surface Temperature Similarities during the Present and Past Interglacials, IGBP Mudança Global Notícias, Abril 2010.

CONFERENCE PRESENTATIONS:

Since 2003 I presented my scientific results at more than 50 international and national scientific meetings and workshops.

Oral communications:

Stéphanie DESPRAT, Teresa Rodrigues, Linda Rossignol, Evidences of millennial-scale climatic changes during MIS 11 in SW Europe and linkages with eastern North Atlantic hydrological changes, American Geophysical Union, Fall Meeting 2013, San Francisco, USA.

Abrantes F; **Rodrigues T**; Naughton, F; Gil, I; Salgueiro, E; Stroynowski, Z; Santos, C. Oliveira, D; Domingues, S; Mil-Homens, M, Witt, L; Drago, T., The Lastest Holocene Climatic Record off Iberia, Workshop “Holocene Climate changes”, 4-5 April 2013, London, UK.

Gomes, S., Naughton, F., **Rodrigues, T.**, Sanchez Goñi, M.F., Abrantes, F. (2012). The Holocene in the southwestern Iberia: vegetation cover and climate variability. Workshop “Holocene Climate changes”, 4-5 April 2013, London, UK.

T. Rodrigues, F. Naughton, E. Salgueiro, L. de Abreu, A. H. L. Voelker, F. Abrantes; Latitudinal and Longitudinal SST gradient in the Western Iberian Margin during the LGIT; 7º Simpósio sobre a Margem Ibérica Atlântica - MIA12; 16-20 de Dezembro de 2012, Lisboa

E. Salgueiro, **T. Rodrigues**, F. de la Granda, N. Villaciers-Robineau, F. Alonso, D. Zuñiga, A. Alberto, P. Oliveira, P. A. Martin, C. G. Castro, A. Voelker, F. Abrantes, Planktonic foraminifera proxies calibration off the NW Iberian margin: temperature and nutrients view; 7º Simpósio sobre a Margem Ibérica Atlântica - MIA12; 16-20 de Dezembro de 2012, Lisboa

Gomes, S., Naughton, F., **Rodrigues, T.**, Sanchez Goñi, M.F., Abrantes, F. 2012. New insights into the last deglaciation in the south-western Iberia: vegetation cover and climate variability. 7º Simpósio sobre a Margem Ibérica Atlântica - MIA12; 16-20 de Dezembro de 2012, Lisboa

Gomes, S., Naughton, F., **Rodrigues, T.**, Drago, T., Sanchez Goñi, M.F., Freitas, C., Abrantes, F. 2012. Mid-late Holocene climatic changes in the Southwestern Iberian shelf. 7º Simpósio sobre a Margem Ibérica Atlântica - MIA12; 16-20 de Dezembro de 2012, Lisboa

Teresa Rodrigues, Joan Grimalt, Fatima Abrantes, Filipa Naughton; Climate Changes in the western Iberian Margin during Marine Isotope Stages 15-9 (580 TO 300 KA): Suborbital Glacial variability vs interglacial stability; Geophysical Research Abstracts, Vol. 14, EGU2012-10876, EGU General Assembly, EGU General Assembly, Viena Austria, 22 -27 April de 2012

Dulce Oliveira, Filipa Naughton, Ricardo Trigo, **Teresa Rodrigues**, Jean-Marie Jouanneau, Olivier Weber, Holocene Climate Variability in South-Western France HOLOCENE CLIMATE VARIABILITY IN SOUTH-WESTERN FRANCE, Geophysical Research Abstracts, Vol. 14, EGU2012-10867, EGU General Assembly, EGU General Assembly, Viena Austria, 22 -27 April de 2012

Teresa Rodrigues, Joan Grimalt, Fatima Abrantes, Filipa Naughton, and José-Abel Flores; Abrupt Sea Surface Temperature changes during The LastGlacial-Interglacial Transition in the Iberian margin: Sea Level implications, II Seminário Ibérico IGBP: Mudança Global na Península Ibérica - Uma visão integrada, Lisboa, 04-05 Novembro de 2010.

Teresa Rodrigues, Joan Grimalt, Fatima Abrantes, Filipa Naughton, and José-Abel Flores; Abrupt Sea Surface Temperature changes during The LastGlacial-Interglacial Transition in the Iberian margin: Sea Level implications, Geophysical Research Abstracts, Vol. 12, EGU2010-9047, EGU General Assembly, Viena Austria, 02-07 Maio de 2010.

T. Rodrigues, F. Abrantes, J. Grimalt, A. Voelker; Marine Isotope Stage 11 (MIS 11): analogies with the Holocene on the Portuguese Margin First MedCLIVAR Workshop on Reconstruction of Past Mediterranean Climate, Carmona, Spain, 9-11 Nov 2006.

Posters in conferences:

M.F. Sánchez Goñi, S. Desprat, A.-L. Daniau, E. Ducassou, F. Eynaud, D. Hodell, B. Balestra, Flores, J.A., J.O. Grimalt, T. Rodrigues, F.J. Sierro, F.J. Hernández-Molina, D.A.V. Stow, C. Alvarez-Zarikian and IODP Expedition 339 Scientists, Vegetation and fire activity changes in southwestern Europe during contrasting interglacials before and after the Middle Pleistocene transition (MPT), American Geophysical Union, AGU, Fall Meeting, San Francisco (CA, USA), 9-13 December 2013.

Teresa Rodrigues, Fátima Abrantes, Filipa Naughton, David Hodell, Antje Voelker, Joan Obrador Grimalt, Belen Martrat, Maria-Fernanda Sánchez Goñi, Francisco Javier Hernández-Molina, D.A.V. Stow, Carlos Alvarez-Zarikian, IODP Expedition 339 Scientists; Past Climate Variability during MIS 19 in southwestern Iberian Site U1385, Shackleton site (IODP Expedition 339); 11th INTERNATIONAL CONFERENCE ON PALEOCEANOGRAPHY; 1-6 September, 2013. Sitges – Barcelona

Maria Fernanda Sanchez Goñi, Anne-Laure Daniau, Emmanuelle Ducassou, Frédérique Eynaud, David A. Hodell, Barbara Balestra, José Abel Flores, Joan O. Grimalt, Teresa Rodrigues, Francisco Javier Sierro, Francisco Javier Hernandez-Molina, Dorrick A.V. Stow, Changes in southwestern Iberian vegetation during MIS 19 (~800 ka) 11th INTERNATIONAL CONFERENCE ON PALEOCEANOGRAPHY; 1-6 September, 2013. Sitges – Barcelona

T. Rodrigues, M. Rufino, C. Santos, E. Salgueiro, F. Abrantes, P. Oliveira; Iberian Sea Surface Temperature calibration based in Alkenones paleotemperature index U_{37}^k ; 7º Simpósio sobre a Margem Ibérica Atlântica - MIA12; 16-20 de Dezembro de 2012, Lisboa

E. Salgueiro, T. Rodrigues, F. de la Granda, N. Villaceros-Robineau, F. Alonso, D. Zuñiga, A. Alberto, P. Oliveira, P. A Martin, C. G. Castro, A. Voelker, F. Abrantes; Planktonic foraminifera proxies calibration off the NW Iberian margin: temperature and nutrients view; 7º Simpósio sobre a Margem Ibérica Atlântica - MIA12; 16-20 de Dezembro de 2012, Lisboa

Gomes, S., Naughton, F., Rodrigues, T., Sánchez-Goñi, M.F., Drago, T., Freitas, M.C. (2012). Mid-late Holocene climatic changes in the Southwestern Iberian shelf. *Geophysical Research Abstracts* (14), EGU2012-10858. Viena, 22-27 Abril.

E. Salgueiro, T. Rodrigues, F. de la Granda, N. Villaceros-Robineau, F. Alonso, D. Zuñiga, P. A Martin., C. G. Castro, A. Voelker, F. Abrantes; Temperature calibration along the NW Iberian margin: multi-proxy approach; *Geophysical Research Abstracts*, Vol. 14, EGU2012-10876, EGU General Assembly, EGU General Assembly, Viena Austria, 22 -27 April de 2012

Teresa Rodrigues, Joan Grimalt, Fatima Abrantes, Filipa Naughton; Climate Changes in the western Iberian Margin during Marine Isotope Stages 15-9 (580 TO 300 KA): Suborbital Glacial variability vs interglacial stability; RCMNS-RCANS meeting on “Climate changes, bioevents and geochronology in the Atlantic and Mediterranean over the last 23 Myr”, Salamanca (Espanha); 21 – 23 Setembro de 2011.

T. Rodrigues, F. Abrantes, J. Grimalt, A. Voelker, Sea surface Temperature similarities during the Present and Past Interglacials; XVIII INQUA-Congress: Quaternary sciences – the view from the mountains, in Bern, Switzerland, 21-27 July 2011.

Rodrigues, T., A.H.L. Voelker, J. O. Grimalt, F. Abrantes, and F. Naughton; Climate Changes in the western Iberian Margin during Marine Isotope Stages 15-9 (580 TO 300 KA): Suborbital Glacial variability, XVIII INQUA-Congress: Quaternary sciences – the view from the mountains, in Bern, Switzerland, 21-27 July 2011.

Santos, C., Abrantes, F., Rodrigues, T. & Voelker, A. – “Paleoenvironmental and paleoclimatic conditions in the Tagus River Estuary during the last ~14kyr”. XVIII INQUA-Congress: Quaternary sciences – the view from the mountains, in Bern, Switzerland, 21-27 July 2011.

Santos, C., Abrantes, F., Rodrigues, T. & Voelker, A. – “Paleoenvironmental and paleoclimatic conditions in the Tagus River Estuary during the last ~14kyr”. II Seminário Ibérico IGBP: Mudança Global na Península Ibérica - Uma visão integrada, Lisboa, 04-05 Novembro de 2010.

Santos, C., Abrantes, F., Rodrigues, T. & Voelker, A. – “Paleoenvironmental and paleoclimatic conditions in the Tagus River Estuary during the last ~14kyr”. Ciência 2010, Lisboa, 04-07 Julho de 2010.

Santos, C., Abrantes, F., Rodrigues, T., Voelker, A. & Vis, J.-J. – “Paleoenvironmental and paleoclimatic conditions in the Tagus River Estuary during the Holocene.” Geophysical Research Abstracts, Vol. 12, EGU2010-14481, EGU General Assembly, Vienna, Austria, 02-07 Maio de 2010.

Salgueiro, E., Voelker, A., Martin, P.A., Rodrigues, T., Prabhu, C.N., Abrantes, F., Grimalt, J.O., Temperature and nutrients changes during MIS 11c and the Holocene on the Portuguese margin. Goldschmidt Meeting in Davos (Switzerland), 21st to 26th June, 2009.

Salgueiro, E.*, Martin, P.A., Voelker, A., Rodrigues, T., Abrantes, F., Grimalt, J.O., Upper water column structure during Marine Isotope Stage 11.3 and the Holocene on the Portuguese Margin. AGU Fall Meeting in San Francisco (USA), 15th to 19th December, 2008.

Channarayapattana Prabhu; Teresa Rodrigues; Jose-Abel Flores; Antje Voelker; Fátima Abrantes
Productivity response to the SST and hydrography change in the Tagus prodelta during the Younger Dryas and the Holocene, 12 INA conference, Oviedo, September 2008.

C N Prabhu, Teresa Rodrigues , Jose-Abel Flores , Antje Voelker , Fatima Abrantes, The reconstruction of primary productivity in the Portuguese-margin since the last glacial: Preliminary results from a multi-proxy study, Las Palmas, Spain , June 2008.

Antje Voelker, Susana Lebreiro, Teresa Rodrigues, F. Abrantes, P. Martin; Linkages between North surface water circulation patterns and Mediterranean outflow variability on the western Iberian Margin:

Exemples from marine isotope stages 3 and 12 to 10, 2nd ESF MedCLIVAR workshop in France, 7-11th October 2007.

Antje H. L. Voelker, F. Abrantes, T. Rodrigues, Seasonal Thermocline Conditions in the Mid-Latitude North Atlantic during Isotope Stage 10 to 14, International conference of Paleoceanography, IX, Shanghai, 3-7 September, 2007.

T. Rodrigues, A. Voelker, F. Abrantes, J. O. Grimalt; mid-Pleistocene Sea Surface Temperature Variation off Portugal; International conference of Paleoceanography, IX, Shanghai, 3-7 September, 2007.

Antje Voelker, Teresa Rodrigues, Susana Lebreiro, Lucia de Abreu, Fatima Abrantes, Joan Grimalt; Surface and Deep Water Changes on the Portuguese Margin During MIS 11; INQUA_MIS 11_WHOI; USA, January 2007.

T. Rodrigues, F. Abrantes, J. O. Grimalt, A. Voelker; Climate variability during Marine Isotope Stage 11 and the Holocene on the Portuguese Margin, American Geophysical Union (AGU) Meeting, San Francisco, California, USA, 11–15 December 2006.

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