

**Curriculum Vitae**

of

**Filipa Naughton**

29/01/2014

Filipa Naughton

Born in 13/02/1973 at Sintra (Portugal)

IPMA (Portuguese Institute of Ocean and Atmospheric)

Marine Geology Div.

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### **Education:**

**2007** (18/01/2007) - **PhD** cotutship between Bordeaux1 University (France) (specialty in oceanography and paleoceanography) and Lisbon University (specialty in palaeontology and stratigraphy).

**2002** (13/05/2002) – **Master** in Stratigraphy and Sedimentology at the “Faculdade de Ciências da Universidade de Lisboa” (Portugal).

**1999** (04/02/1999) – “**Licenciatura**” in Geology at the “Faculdade de Ciências da Universidade de Lisboa” (Portugal).

### **Previous and current scientific and/or professional activities:**

**Since April 2008-November 2014: Post-Doc position** in the research project “Long and short-lived climatic variability in the North Atlantic and adjacent landmasses during the Holocene: land-sea direct correlation; climatic cyclicities and trigger mechanisms.” 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, Departamento de Geologia Marinha (LNEG-DGM) Lisbon/ Interdisciplinary Centre of Marine and Environmental Research (CIIMAR) Porto, Portugal; b) “Geology & Geophysics Department -Woods Hole Oceanographic Institute-WHOI “ and c) “Centre de recherche en Géochimie isotopique et en Géodynamique-GEOTOP- Université du Québec à Montréal.

Since April 2010, **PI of the project CLIMHOL (PTDC/AAC-CLI/100157/2008)** Holocene climatic variability in the North Atlantic and adjacent landmasses: land-sea direct correlation.

**September 2007-March 2008: Post-Doc position** in the research project “**PICC**- Intégration des contraintes Paléoclimatiques: réduire les Incertitudes sur l'évolution du Climat des périodes Chaudes), financed by the Agence Nationale de la Recherche (ANR)“- Centre National de Recherche Scientifique (CNRS), at the UMR-CNRS 5805 EPOC Université Bordeaux 1 (France).

**February 2007- September 2007: Post-Doc position** in the research project “**IDEGLACE**- Impact de Décharges d'Eau douce provenant de la Glace continentale sur la Clima Européen et méditerranéen” coordinated by Masa Kageyama and financed by the “ANR – EPOC », at the Environnements et Paléoenvironnements Océaniques (UMR CNRS 5805 EPOC), Bordeaux 1 University (France).

**May 2006-June 2006: Research grant** in the research project “**RESOLuTION**-Rapid climatic and environmental shifts during oxygen isotope stages (OIS) 2 and 3 - linking high-resolution terrestrial, ice core and marine archives”, coordinated by Barbara Wohlfarth and financed by the European Science Foundation-ESF”, at the Environnements et Paléoenvironnements Océaniques (UMR CNRS 5805 EPOC), Bordeaux 1 University (France).

**October 2005-December 2005: Research grant** in the research project “**Défi Golfe de Gascogne**” financed by the Institut français de recherche pour l'exploitation de la mer (IFREMER), at the Environnements et Paléoenvironnements Océaniques (UMR CNRS 5805 EPOC), Bordeaux 1 University (France).

**2002-2005: Three years PhD Grant** in the project “**Envi-Changes**-Late Quaternary Environmental Changes from Estuary and Shelf Sedimentary Record”, coordinated by Teresa Drago and financed by the “Fundação para a Ciência e a Tecnologia-FCT”, at the Environnements et Paléoenvironnements Océaniques (UMR CNRS 5805 EPOC), Bordeaux 1 University (France) and Instituto de investigação das pescas e do mar-IPIMAR (Portugal).

**2003: Research grant (1 month)** in the project “**EXCURSIONS**-Les accidents climatiques majeurs intervenus entre 38 ka et 8 ka et leur impact sur les populations: le message des glaces, des océans, des lacs et des sites archéologiques » integrated in the **ECLIPSE programme**--Environnement et CLImat du Passé : hiStoire et Evolution », financed by the “Centre Nationale de Recherche Scientifique-CNRS”, at Environnements et Paléoenvironnements Océaniques (UMR CNRS 5805 EPOC), Bordeaux 1 University (France)

**2004-2006: Mission grants** in a project integrated in the **PESSOA** programme (French-Portuguese collaboration) at the Environnements et Paléoenvironnements Océaniques (UMR CNRS 5805 EPOC), Bordeaux 1 University (France).

**2002-2004: Mission grants** in a project integrated in the **ICCTI-IFREMER** programme (French-Portuguese collaboration) at the Environnements et Paléoenvironnements Océaniques (UMR CNRS 5805 EPOC), Bordeaux 1 University (France).

**2000-2002:** Two years **Research grant** in the project “**Laquatede**-Evolução Quaternária Recente do Estuário do Douro e Plataforma Continental Adjacente”, coordinated by Teresa Drago and financed by the “Fundação para a Ciência e a Tecnologia-FCT” and executed at the Environnements et Paléoenvironnements Océaniques (UMR CNRS 5805 EPOC), Bordeaux 1 University (France) and Instituto de Investigação das Pescas e do Mar- IPIMAR (Portugal).

### **Coordination of National research project:**

Since April 2010 I am coordinating the project “Holocene climatic variability in the North Atlantic and adjacent landmasses: land-sea direct correlation» **CLIMHOL** (reference PTDC/AAC-CLI/100157/2008), which was approved for financing (at 100%, 199.976,00 €) by the Directive Commission of the COMPETE (23-12-2009) and by the FCT (Fundação para a Ciencia e a Tecnologia) (05-02-2010). This project will end in September 2013.

### **Participation in National and International research projects:**

2013-2015: French Projet INSU-IMAGO, WarmClim "Understanding warm periods by integrating North Atlantic land-sea-ice palaeoclimatic records with inverse modelling", led by Maria Fernanda Sanchez Goñi (EPHE, EPOC-Bordeaux University).

2011-2014: ANR (Agence Nationale de la Recherche-France) project MAGDATIS, Recomposition des environnements et des sociétés au Paléolithique: Le Magdalénien de la façade atlantique (15000-12000 BP), coordinated by Dr. Jean-Marc Pétillon (Laboratoire TRACES - travaux et recherches archéologiques sur les cultures, les espaces et les sociétés- Université Toulouse le Mirail).

May 2010-December 2013: FCT project MONA, Integration of proxy data in modeling North Atlantic oceanographic events (PTDC/AAC-AMB/108449/2008), coordinated by Dr. Isabelle Gil (CIIMAR).

Since June 2008: I am a member of the QUEST Working Group on Abrupt Climate Changes (<http://researchpages.net/QUESTD-O/people/filipa-naughton/>), coordinated by Sandy Harrison (U. Bristol) and Maria Fernanda Sanchez Goni (U. Bordeaux I).

2006–2010: **QUEST-INSU project** (NERC-CNRS): Dynamics of the Earth System and the Ice core Record (DESIRE), Coordinated by Eric Wolf (British Antarctic Survey, UK) & Pierre Friedglenstein (CEA, France).

Since April 2008: Programa de cooperação transfronteiriça Portugal-Espanha in the Project: NATURA MIÑO-MINHO: Valorización de los recursos naturales de la cuenca hidrográfica del Miño-Minho”, coordinated by Dr. Fatima Abrantes (UGM-LNEG).

September 2007-end 2008: Agence Nationale de la Recherche (ANR) project PICC-Intégration des contraintes Paléoclimatiques: réduire las Incertitudes sur l'évolution du Climat des périodes Chaudes).

February 2007-end 2009: Agence Nationale de la Recherche (ANR) project IDEGLACE-Impact de Décharges d'Eau douce provenant de la Glace continentale sur la Clima Européen et méditerranéen", coordinated by Masa Kageyama.

2005-2008: European Science Foundation EUROCORES EuroCLIMATE project: RESOLuTION-Rapid climatic and environmental shifts during Oxygen Isotope Stages (OIS) 2 and 3 –linking high-resolution terrestrial, ice core and marine archives (RESOLuTION), coordinated by Barbara Wohlfarth.

2005-2008: FCT research project "POPEI" (Paleo-productividade oceânica e alterações ambientais de alta resolução. Correlação com populações de peixe).

2005-2006: Institut français de recherche pour l'exploitation de la mer (IFREMER) project : Défi Golfe de Gascogne.

2002-2004: French Programme ECLIPSE-CNRS, EXCURSIONS-Les accidents climatiques majeurs intervenus entre 38 ka et 8 ka et leur impact sur les populations: le message des glaces, des océans, des lacs et des sites archéologiques, coordinated by Maria Fernanda Sanchez Goñi.

2002-2005: FCT project Envi-Changes-Late Quaternary Environmental Changes from Estuary and Shelf Sedimentary Record, coordinated by Teresa Drago (IPIMAR).

2000-2002: FCT project Laquatede-Evolução Quaternária Recente do Estuário do Douro e Plataforma Continental Adjacente", coordinated by Teresa Drago (IPIMAR).

### **Participation in submitted International research projects:**

French Projet INSU-IMAGO PuLSE- Understanding Paleoenvironmental instabilities in the Southwestern European region, led by Stephanie Desprat (EPOC, Bordeaux I University, France).

### **Students supervision**

I supervised jointly with Ricardo Trigo (IDL-FCUL) a master student, Dulce Oliveira, (Mestrado em ciencias do mar) since September 2010 in the framework of the project CLIMHOL (reference PTDC/AAC-CLI/100157/2008) in which I am the PI. The master theses have been presented to the Faculdade de Ciencias da Universidade de Geologia and Dulce Oliveira obtained the grade 19/20. Reference of the master thesis: Oliveira, D. 2012. Vegetation response to Holocene climate variability in south-western Europe. Lisbon University (Portugal), 159 p. (not published).

I am supervising a FCT PhD student Dulce Oliveira jointly with Maria Fernanda Sanchez Goñi (Bordeaux I University, France) and Ricardo Trigo (IDL-FCUL, Portugal).

I am supervising a young researcher, Sandra Gomes, since August 2011 in the framework of the project CLIMHOL (reference PTDC/AAC-CLI/100157/2008) in which I am the PI.

I am supervising a technician, Warley Soares, since August 2011 in the framework of the project CLIMHOL (reference PTDC/AAC-CLI/100157/2008) in which I am the PI.

### **Member of research associations or working groups:**

**Since 2013:** Member of the AGU-American Geophysical Union and of the EGU-European Geosciences Union

**Since 2012:** Member of ACER-INTIMATE - Harmonisation of Database Chronologies Working Group

**Since 2012:** Member of the IODP Expedition 339 pollen working group

**Since 2011:** Member of the GLOBAL IGBP CHANGE

**Since 2010:** Member of the EMPD-European Modern Pollen Database

**Since 2008:** QUEST (Quantifying and Understanding the Earth System) Working Group on Abrupt Climate Changes;

**Since 2007:** Member of the « Associação de Palinólogos de Língua Portuguesa-PalyPort

**Since 2006:** Member of the EGU-European Geosciences Union;

**2005 – 2008:** ESF EUROCORES on EuroCLIMATE, “RESOLuTION” Working Group

**2005 – 2008:** ANR-IDEGLACE Working Group

**Since 2003:** Member of the « Association des Palynologues de Langue Française-APLF»

### **Skills**

During the first years of my career i acquired some skills and competencies on **earth**, and **marine sciences**. **Marine palynology** applied to deep sea cores retrieved close to the continent is the main tool of my research and allows the detection of **vegetation and climate changes** in the terrestrial environmental realm in the past. The **direct comparison** between **terrestrial and marine paleoclimatic indicators** from the same record further permits the assessment of leads and lags of the different sub-systems to a given climate change and provides invaluable information for straightening out the causes of climate variability through the past. My expertise and knowledge is particularly focus on the western Europe and eastern North America vegetation shifts and hydrological changes of the eastern and western mid-latitudes of the North Atlantic region during the last glacial period, the last glacial interglacial transition (LGIT) and the Holocene (present interglacial).

### **Present-day research interests:**

My present-day research interests are a) to improve the understanding of the nature, timing and causes of past natural climate oscillations and b) to determine how widespread, systematic and abrupt they may have been. In particular: -to determine the trigger mechanisms involved in those changes before and after the maximal retreat of the Northern Hemisphere ice sheet; - to compare the amplitude of millennial-scale climate variability detected in different archives of the Earth's climate at different latitudinal and longitudinal positions of the North Atlantic region; - to improve the accuracy of model simulations through the comparison with our reconstructed scenarios. Also, determining the climatic evolution of a past interglacial, similar to the Holocene, is crucial to evaluate the future climate. In particular, it will allow us to establish the natural evolution of the climate in the future in the absence of any human forcing.

## **Scientific activity diffusion actions and teaching**

### **Monitoring and teaching**

**2002:** Monitor Ciência Viva cultural action "Geologia no verão-Fósseis ao virar da esquina", FCUL-Faculdade de ciências da Universidade de Lisboa (Portugal), financed by the Agencia Nacional para a cultura científica e Tecnológica.

**2004:** Monitor of the class "Méthodologie" for B.A students of Science and Technology at the UMR-CNRS 5805 EPOC Université Bordeaux 1 (France). Interpretation of scientific articles.

**2009:** Monitor Ciência Viva cultural action in the framework of the European maritime day with several talks from the 20th May 2009 to 5th of June 2009, intituled, "Resposta da Vegetação Europeia às Variações climaticas".

### **Other skills/activities:**

#### **Experience on organization of Congress meetings:**

September 2004 "VII International Conference on Palaeoceanography" Biarritz, France"

September 2013 "CLIMHOL Workshop", LNEG, Alfragide, Portugal

#### **Oceanographic cruises:**

2003: in the R/V Marion Dufresne II, retrieve several deep sea cores; duration: 10 days.

#### **Referee:**

Quaternary Science Reviews, Micropaleontology, Regional Environmental Change journals and contribution for a review of a Geology paper.

## **Awards:**

**2007:** “Student Poster Award”. 9<sup>th</sup> International conference on Paleoceanography (ICP9), September, Shanghai, China.

**2007:** 2<sup>nd</sup> award for the best PhD thesis by the “Association des palynologues de langue Francaise-APLF”.

## **Travel and accommodation awards:**

**2013:** Secured travel and accommodation award grant by **the Geological Society of London** for participate in the Workshop “Holocene Climate changes, London, UK.

**2012:** Secured travel and accommodation award grant by **INQUA (International Union for Quaternary research) focus group ACER and COST action for attending the ACER-INTIMATE** joint workshop on “Harmonization of Database Chronologies”, Bordeaux, France.

**2011:** Secured travel and accommodation award grant by the **Suiss National Science Foundation and the Arve Research Group at EPFL** for participate in the EPD Surface Sample Workshop, Lausanne, Switzerland.

**2008:** Secured travel and accommodation award grant by the **NERC(UK)-INSU(CNRS)** for participate in the QUEST Working Group on Abrupt Climate Changes workshop “High-Resolution Pollen Records and Reconstruction of Vegetation Changes during Dansgaard-Oeschger (D-O) events”, Bordeaux, France.

**2007:** EuroCLIMATE Junior Researcher award, financed by the **European Science Foundation-ESF** for participate in the European Geosciences Union General Assembly 2007 Wien.

**2007:** Secured travel and accommodation award grant by the **European Science Foundation-ESF** for participate in the third workshop of project RESOLuTION - Rapid climatic and environmental shifts during oxygen isotope stages (OIS) 2 and 3 - linking high-resolution terrestrial, ice core and marine archives), De Lutte, Netherlands.

**2007:** Secured travel and accommodation award grant by the **European Science Foundation-ESF** for participate in the workshop “Radiocarbon and ice-core chronologies during Glacial and deglacial times, in the framework of the the project **Tree-14 (FP-14)**; Heidelberg, Germany.

**2007:** Secured travel and accommodation award grant by the IMAGES international program for participate in the Circum-Iberia Paleoceanography and Paleoclimate Workshop, Peniche, Portugal.



**2006:** student secured travel award grant by the “**Association des palynologues de langue Francaise-APLF**” and **The Micropalaeontological Society-TMS** for participate in the Palynology, paleoaltitudes, paleolatitudes Join meeting of APLF, TMS and LSPSG in Paris France.

**2005:** Secured travel and accommodation award grant by the **European Science Foundation-ESF** for participate in the first workshop of the project RESOLuTION - Rapid climatic and environmental shifts during oxygen isotope stages (OIS) 2 and 3 - linking high-resolution terrestrial, ice core and marine archives), Les Eyzies, France.

## **Publications:**

### **Thesis:**

#### **PhD:**

2007- As variações climáticas dos últimos 30 000 anos e sua influência na evolução dos sistemas costeiros do norte de Portugal / Les variations climatiques des derniers 30 000 ans et leur influence sur l'évolution des systèmes côtiers du nord de Portugal. Cotutship between Bordeaux<sup>1</sup> University (France) and Lisbon University (Portugal), Lisbon, 303 p. (not published).

#### **Master :**

2002-Evolução Morfodinâmica do Estuário do Douro com base na análise polínica e sedimentar. Lisbon University (Portugal), 131 p. (not published).

## **Papers in international scientific periodicals with referees:**

20-Davis, B.A.S., Zanon, M. Collins, P., Mauri, A., Bakker, J., Barboni, D., Barthelmes, A., Beaudouin, C., Bjune, A., Bradshaw, R., Brayshay, B., Brewer, S., Brugiapaglia, E., Bunting, J., Connor, S., de Beaulieu, J.-L., Edwards, K., Ejarque, A., Fall, P., Florenzano, A., Fyfe, R., Galop, D., Giardini, M., Giesecke, T., Grant, M., Jahns, S., Jankovská, V., Juggin, S., Karmann, M., Karpinska-Kolaczek, M., Kolaczek, P., Köhl, N., Kuneš, P., Lapteva, E., Leroy, S., Leydet, M., Lopez Saez, J.A., Mazier, F., Matthias, I., Meltsov, V., Mercuri, A. M., Miras, Y., Mitchell, F., Molinari, M., Morris, J.L., Naughton, F., Birgitte, A., Nielsen, A.B., Novenko, E., Odgaard, B., Ortu, E., Overballe-Petersen, M., Pardoe, H., Silvia, M.P. Pelanková, B., Pidek, I., Sadori, L., Seppä, H., Severova, E. Shaw, H., Swieta-Musznicka, Joanna., Theuerkauf, M., Tonkov, S., Veski, S., van der Knaap, P. (W.O.), van Leeuwen, J., Vermoere, M., Woodbridge, J., Zimny, M. Kaplan, J.O. (2013). Erratum to: The European Modern Pollen Database (EMPD) project. *Vegetation History and Archaeobotany*. DOI 10.1007/s00334-013-0408-0.

19-Davis, B.A.S., Zanon, M. Collins, P., Mauri, A., Bakker, J., Barboni, D., Barthelmes, A., Beaudouin, C., Bjune, A., Bradshaw, R., Brayshay, B., Brewer, S., Brugiapaglia, E., Bunting, J., Connor, S., de Beaulieu, J.-L., Edwards, K., Ejarque, A., Fall, P., Florenzano, A., Fyfe, R.,

Galop, D., Giardini, M., Giesecke, T., Grant, M., Jahns, S., Jankovská, V., Juggin, S., Karmann, M., Karpinska-Kolaczek, M., Kolaczek, P., Köhl, N., Kuneš, P., Lapteva, E., Leroy, S., Leydet, M., Lopez Saez, J.A., Mazier, F., Matthias, I., Meltsov, V., Mercuri, A. M., Miras, Y., Mitchell, F., Molinari, M., Morris, J.L., Naughton, F., Birgitte, A., Nielsen, A.B., Novenko, E., Odgaard, B., Ortu, E., Overballe-Petersen, M., Pardoe, H., Silvia, M.P. Pelanková, B., Pidek, I., Sadori, L., Seppä, H., Severova, E. Shaw, H., Swieta-Musznicka, Joanna., Theuerkauf, M., Tonkov, S., Veski, S., van der Knaap, P. (W.O.), van Leeuwen, J., Vermoere, M., Woodbridge, J., Zimny, M. Kaplan, J.O. (2013). The European Modern Pollen Database (EMPD) project. *Vegetation History and Archaeobotany*. DOI 10.1007/s00334-012-0388-5.

18-Sánchez Goñi, M.F., Bakker, P., Desprat, S., Carlson, A., Van Meerbeeck, C., Peyron, O., Naughton, F., Fletcher, W.J., Eynaud, F., Rossignol, L., Renssen, H. 2012. European climate optimum and enhanced Greenland melt during the Last Interglacial. *Geology*, v. 40 no. 7 p. 627-630; doi: 10.1130/G32908.1.

17-Rodrigues, T., Voelker, A. H. L., Grimalt, J.O. Abrantes, F., Naughton, F., 2012. Climate off Portugal during Marine Isotope Stages 15-9 (570 to 300 KA): Glacial suborbital variability vs interglacial stability, 26, PA001927; *Paleoceanography*, doi:10.1029/2010PA001927.

16-Rodrigues, T., Grimalt, J.O., Abrantes, F., Naughton, F., José-Abel Flores, J.-A. 2010. Corrigendum to “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 (2010) 1853–1862]. *Quaternary Science Reviews*, Volume 29, Issues 27–28, Page 3997.

15-Fletcher, W., Sanchez Goñi, M.F., Allen, J.R.M., Cheddadi, R., Combourieu Nebout, N., Huntley, B., Lawson, I., Londeix, L., Magri, D., Margari, V., Müller, U. C., Naughton, F., Novenko, E., Roucoux, K., Tzedakis, P.C. 2010. Millennial-scale variability during the last glacial in vegetation records from Europe. *Quaternary Science Reviews*, 29, 2839-2864.

14-Rodrigues, T., Grimalt, J.O., Abrantes, F., Naughton, F., José-Abel Flores, J.-A. 2010. The last glacial-interglacial transition (LGIT) in the eastern mid-latitudes of the North Atlantic: abrupt sea surface temperature change and sea level implications. *Quaternary Science Reviews*, 29, 1853-1862.

13-Naughton F., Sánchez Goñi, M.F., Kageyama, M., Bard, E., Cortijo, E., Desprat, S., Duprat, J., Malaizé, B., Joli, C., Rostek, F. and Turon, J-L. 2009. Wet to dry climatic trend in north western Iberia within Heinrich events. *Earth and Planetary Science Letters*. 284, 329-342.

12-Eynaud, F., de Abreu, L., Voelker, A., Schönfeld, J., Salgueiro, E., Turon, J.-L., Penaud, A. Toucanne, S., Naughton, F., Sanchez-Goñi, M.F., Malaizé, B., Cacho, I. 2009. Position of the Polar Front along the western Iberian margin during key cold episodes of the last 45 ka. *Geochemistry, Geophysics, Geosystems*, Q07U05, doi:10.1029/2009GC002398, ISSN: 1525-2027.

11-Sánchez Goñi, M.F., Landais, A., Fletcher, W., Naughton, F., Desprat, S. and Duprat, J. 2008. Corrigendum to “Contrasting impacts of Dansgaard-Oeschger events over a western European latitudinal transect modulated by orbital parameters” [Quat. Sci. Rev. 27 (11–12) (2008) 1136–1151]. Quaternary Science Reviews, Volume 27, Issues 17–18, September 2008, Page 1789. <http://dx.doi.org/10.1016/j.quascirev.2008.07.011>

10-Bertran, P., Allenet, G., Gé, T., Naughton, F., Poirier, P., Sanchez Goñi, M. F. 2008. Aeolian coversand chronostratigraphy in the Landes region, southwestern France. Journal of Quaternary Science, 24, 259-269, DOI: 10.1002.

9-Sánchez Goñi, M.F., Landais, A., Fletcher, W., Naughton, F., Desprat, S. and Duprat, J. 2008. Contrasting impacts of Dansgaard-Oeschger events over a western European latitudinal transect modulated by orbital parameters. Quaternary Science Reviews, 27, 1136-1151. <http://dx.doi.org/10.1016/j.quascirev.2008.03.003>

8-Toucanne S., Zaragosi S., Bourillet J.F., Naughton F., Cremer M., Eynaud F. and Dennielou B. 2008. Activity of the turbidite levees of the Celtic-Armorican margin (Bay of Biscay) during the last 30,000 years: Imprints of the last European deglaciation and Heinrich events. Marine Geology, 247, 84-103.

7-Naughton, F., Bourillet, J.-F., Sánchez Goñi, M.F., Turon, J.-L. and Jouanneau, J.-M. 2007. Long-term and millennial-scale climate variability in north-western France during the last 8 850 years. The Holocene, 17, 939-953.

6-Naughton, F., Sánchez Goñi, M.F., Desprat, S., Turon, J.-L., Duprat, J., Malaizé, B., Joly, C., Cortijo, E., Drago T. and Freitas, M.C., 2007. Present-day and past (last 25 000 years) marine pollen signal off western Iberia. Marine Micropaleontology 62, 91-114.

5-Naughton, F., Sanchez Goni, M.F., Drago, T., Freitas, M.C. and Oliveira., A. 2007. Holocene changes in the Douro estuary (northwestern Iberia). Journal of Coastal research, 23, 711-720.

4-Drago, T., Freitas, C., Rocha, F., Cachão, M., Moreno, J., Naughton, F., Fradique, C., Araújo, F., Silveira, T., Oliveira, A., Cascalho, J. and Fatela, F. 2006. Palaeoenvironmental evolution of estuarine systems during the last 14000 years – the case of Douro estuary (NW Portugal). Journal of Coastal Research, SI 39, 186-192.

3-Rocha, F., Silveira, T., Naughton, F. And Drago, T. 2005. Palaeoenvironmental analysis of Douro estuary based on mineralogical parameters. Thalassas-An International Journal of Marine Sciences, ISSN 0212-5919, vol. 21, 53-58.

2-Drago, T., Freitas, C., Cachão, M., Moreno, J., Cascalho, J., Oliveira, A., Naughton, F., Fradique, C., Silveira, T. and Fatela, F. 2003. Douro estuary sedimentary record and sea level

rise evolution in the last 14 000 years. *Thalassas-An International Journal of Marine Sciences*, 19 (2a), 101-103.

1-Cachão, M., Drago, T., Silva, A., Moita, T., Oliveira, A. and Naughton, F. 2002. The secrete (estuarine?) life of *Helicosphaera carteri* (preliminary results). *Journal Nannoplankton Research*, 24, 76-78.

### **Chapters in books:**

3-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., *The Climate of the Mediterranean Region*.

2-Naughton, F., Drago, T., Sanchez-Goñi, M.F., Freitas, M.C.,. 2011. Climate variability in the north-western Iberian Peninsula during the last deglaciation. in Springer editions., Pedro Manuel da Silva Duarte and Magdalena Santana-Casiano editors,. *Oceans and the Atmospheric Carbon Content*, 1-22. DOI: 10.1007/978-90-481-9821-4\_1

1-Desprat, S., Sánchez Goñi, M. F., Naughton, F., Turon, J.-L., Duprat, J., Malaizé, B., Cortijo, E., and Peyrouquet, J.-P. 2007. Climate variability of the last five isotopic interglacials: direct land-sea-ice correlation from the multiproxy analysis of north western Iberian margin deep-sea cores. In: Elsevier publications. *The climate of past interglacials. Developments in Quaternary Sciences*, vol. 7, 277-288. [http://dx.doi.org/10.1016/S1571-0866\(07\)80050-9](http://dx.doi.org/10.1016/S1571-0866(07)80050-9)

### **Papers in conference proceedings or special issues from conferences:**

6-Naughton, F., Sanchez Goñi, M.F., Drago, T., Turon, J.-L., Duprat, J., Cortijo, E., Malaizé, B., Bard, E., Rostek, F., Jouanneau, J.-M. and Freitas, M.C. 2005. Millennial-scale climatic variability during the last glacial-interglacial transition and the Holocene in the NW of Iberia. In: Freitas, M.C. & Drago, T. (eds), *Proceedings, Iberian Coastal Holocene Paleoenvironmental evolution, Coastal Hope 2005, Lisbon*, pp. 98.

5-Naughton, F., Sanchez Goñi, M.F., Desprat, S., Turon, J.-L., Duprat, J., Cortijo, E., Malaizé, B., Joli, C., Bard, E., Rostek, F.. 2005. Climate variability of the last 25.000 years in and off Iberia: direct land-sea correlation from the multiproxy analysis of a northwestern Iberian margin deep-sea core. In: Freitas, M.C. & Drago, T. (eds), *Proceedings, Iberian Coastal Holocene Paleoenvironmental evolution, Coastal Hope 2005, Lisbon*, pp. 97.

4-Weber, O., Drago, T., Naughton, F. Jouanneau, J.-M., Gabriel, S., Serina, S. 2005. FINE SCALE SEDIMENTARY SEQUENCES OF DOURO MUDDY COMPLEX (NORTHERN PORTUGUESE

CONTINENTAL SHELF). In: Freitas, M.C. & Drago, T. (eds), Proceedings, Iberian Coastal Holocene Paleoenvironmental evolution, Coastal Hope 2005, Lisbon, pp. 129-130.

3-Naughton, F., Drago, T., Rocha, F. and Sánchez Goñi, M.F. 2002. Holocene Environmental changes in Douro Estuary (NW Portugal). Actas da III Assembleia Luso-Espanhola de Geodesia e Geofisica, Valencia, 5 pp.

2-Drago, T., Naughton, F., Moreno, J., Rocha, F., Cachão, M., Freitas, C., Sánchez Goñi, M.F., Oliveira, A Cascalho, J., Fatela, F. and Andrade, C. 2002. Geological record of environmental changes in the Douro estuary (NW Portugal) since the late glacial. Littoral 2002, 6<sup>th</sup> International Symposium, The Changing Coast/EUCC, Porto-Portugal. ED.EUROCOAST-Portugal, ISBN 972-8558-09-0, 341-346.

1-Drago, T., Jouanneau, J.M., Weber, O., Naughton, F., Rodrigues, A. 2000. Environmental factors controlling the depositional facies characteristics of Minho, Douro and Tejo mud patches. Factores ambientais e características das fácies deposicionais dos complexos do Minho, Douro e Tejo. III Simpósio sobre a margem continental Ibérica-Atlantica, Setembro 2000, Faro (Portugal), 217-219.

## **Oral communications:**

### **Invited lectures:**

December 2013: invited lecture about past climate variability of the last 800.000 years to Masters Students of Ocean Sciences at the FCUL (Faculty of Sciences of Lisbon University).

November 2010: invited lecture about past climate variability of the last 800.000 years to Masters Students of Ocean Sciences at the FCUL (Faculty of Sciences of Lisbon University).

March 2009: invited lecture “Climate variability in the North Atlantic Region since the last Glacial maximum” for Master and PhD of prehistory students (Cultures matérielles et sociétés préhistoriques: les traditions du Dernier Maximum Glaciaire) at UFR03 (Histoire de l’art et archéologie) Paris 1- Panthéon Sorbonne University (France).

March 2008: invited lecture “Interactions végétation-climat au cours des derniers 30.000 ans en Europe occidentale: Le message du pollen des archives marines” for Master and PhD of prehistory students (Cultures matérielles et sociétés préhistoriques: les traditions du Dernier Maximum Glaciaire) at UFR03 (Histoire de l’art et archéologie) Paris 1- Panthéon Sorbonne University (France).

Naughton, F. 2007. Réponse de la végétation du nord-ouest de l’Europe aux variations climatiques dès derniers 25000 ans. Archéologie et Sciences de l’Antiquité [UMR 7041] Université Paris I.

2007: Invited lecture "Palinology and Chronology" for Master students at UFR STM - BORDEAUX 1.

**Invited Seminars:**

2008. Naughton, F. Alternative mechanisms explaining the complex pattern of Heinrich events in the North Atlantic mid-latitude. UGM-LNEG Lisbon (Portugal).

2008. Naughton, F. Holocene climatic variability in the North Atlantic and adjacent landmasses: land-sea direct correlation. Département de Géographie Université de Montréal (Canada): Pierre J.H. Richard group.

**other oral communications (as a first author):**

16-Naughton, F., Keigwin, L., Desprat, S., Oliveira, D. Abrantes, F. 2013. Vegetation/oceanographic changes in the mid-latitudes of southwestern North Atlantic. EGU General Assembly 2013 Abstract Processing Charge for "Vegetation/oceanographic changes in the mid-latitudes of southwestern North Atlantic" by Filipa Naughton et al., EGU2013-13386, Viena, Austria.

15-Naughton, F., Keigwin, L., Oliveira, D. Abrantes, F. 2013. Holocene vegetation / oceanographic changes in the Cape Hatteras region (southwestern North Atlantic). . Workshop "Holocene Climate changes", 4-5 April 2013, London, UK.

14-Naughton, F. Climate variability during the last deglaciation in north-western Iberian margin and adjacent landmasses. . Workshop "ANR MAGDATIS", 11 March 2013, Bordeaux, France.

13-Naughton, F., Sánchez Goñi, M.F., Duprat, J., Cortijo, E., Desprat, S., Abrantes, F. 2012. Climate variability during the last glacial-interglacial transition and Holocene in north-western Iberian margin and adjacent landmasses. 7th Symposium on the Atlantic Iberian Margin (MIA 2012), Lisbon, Portugal.

12-Naughton, F., Sánchez Goñi, M.F., Duprat, J., Cortijo, E., Abrantes, F. 2010. Climate variability during the last deglaciation in north-western Iberian margin and adjacent landmasses. II IBERIAN SEMINAR IGBP – GLOBAL CHANGE: *Global Change in the Iberian Peninsula An integrated approach*. November 2010, Lisbon (Portugal).

11-Naughton, F., Sánchez Goñi, M.F., Kageyama, M., Bard, E., Cortijo, E., Desprat, S., Duprat, J., Malaizé, B., Joli, C., Rostek, F. and Turon, J-L 2008. Alternative mechanisms explaining the complex pattern of Heinrich events in the North Atlantic mid-latitudes. High-Resolution Pollen Records and Reconstruction of Vegetation Changes during Dansgaard-Oeschger (D-O) events-Workshop" in the framework of the QUEST Working Group on Abrupt Climate Changes, June 2008, Bordeaux (France).

10-Naughton, F. 2007. Heinrich events. "ESF-RESOLuTION" MAGDATIS" Workshop; October 2007, De Lutte, Pays Bas.

9-Naughton, F., Sanchez Goñi, M. F., Duprat, J., Cortijo, E., Malaizé, B., Joly, C., Bard, E., Rostek, F. and Turon, J-L. 2007. Complex pattern of Heinrich events in the mid-latitudes of the North-east Atlantic explained by oceanic and atmospheric mechanisms. European Geosciences Union (EGU) General Assembly, April 2007, Viena, (Austria).

8-Naughton, F., Sanchez Goñi, M. F., Duprat, J., Cortijo, E., Malaizé, B., Joly, C., Bard, E., Rostek, F. and Turon, J-L. 2007. Wet to dry climatic trend in north western Iberia within Heinrich events. Workshop "ANR IDEGLACE", 20 March 2007, LSCE, Gif-sur Yvette, Paris, France.

7-Naughton F., Sanchez Goñi MF., Desprat S., Turon J-L., Duprat J., Cortijo E., Malaizé B., Joly C., Bard E. and Rostek F. 2005. Corrélation directe de la variabilité climatique ocean-continent des derniers 25.000 ans a partir de l'analyse multi-proxy d'une carotte marine De la marge nord-ouest ibérique. XIX ème Symposium de l'APLF, Septembre 2005, Paris (France).

6-Naughton, F., Sanchez Goñi, M.F., Desprat, S., Turon, J-L., Duprat, J., Cortijo, E., Malaizé, B., Joli, C., Bard, E. and Rostek, F. 2005. Climate variability of the last 25.000 years in and off Iberia: direct land-sea correlation from the multiproxy analysis of a northwestern iberian margin deep-sea core. Costal Hope (workshop)-Iberian Coastal Holocene Paleoenvironmental Evolution, Julho 2005, Lisboa (Portugal).

5-Naughton, F., Sanchez Goñi, M.F., Drago, T., Turon, J.-L., Duprat, J., Cortijo, E., Malaizé, B., Bard, E., Rostek, F., Jouanneau, J.-M. and Freitas, M.C. 2005. Millennial-scale climatic variability during the last glacial-interglacial transition and the Holocene in the NW of Iberia Julho 2005. Costal Hope (workshop)- Iberian Coastal Holocene Paleoenvironmental Evolution, Lisboa (Portugal).

4-Naughton, F., Sanchez Goñi, M.F., Turon, J-L., Duprat, J., Bard E., Rostek, F., Joly, C., Malaize, B. and Desprat, S. 2004. Climate and vegetation changes in northwest Iberia during the last 25.000 years based on the multiproxy analysis of deep sea core MD99-2331. XI International congress of Palynology, Julho 2004 Granada (Spain).

3-Naughton, F., Sanchéz Goñi, M.F., Drago, T., Moreno, J. 2003. Evolution morphodynamique de l'estuaire du Douro au cours de l'Holocène. XVIII<sup>ème</sup> Symposium de l'APLF, September 2003, Bordeaux (France).

2-Naughton, F., Drago, T., Rocha, F., Sánchez Goñi. 2002. Holocene Environmental changes in Douro Estuary (NW Portugal). III Assembleia Luso-Espanhola de Geodesia e Geofisica, Valencia (Spain).

1-Naughton, F., Sánchez Goñi. and Drago, T. 2001. Vegetational and Environmental changes in Douro Estuary During the Last Thousands Years. Estuarine and Coastal Sciences Association, Local Meeting-ECSA Porto, 32, (Portugal).

**Other oral communications (as a co-author):**

26-Ganne, A., Penaud, A., Hardy, W., Toucanne, S., Naughton, F., Eynaud F., Bourillet, J.-F. 2013. Holocene rapid climate changes as recorded in northwestern France (Grande Vasière): high resolution dinocyst analysis over the last 9000 years. 2nd International APLE-APLF Congress on Pollen Biotechnology, Diversity and Function in a Changing Environment, 20 September 2013, Madrid, Spain.

25-Sánchez Goñi, M.F., Bakker, P., Desprat, S., Carlson, A., Van Meerbeeck, C., Peyron, O., Naughton, F., Fletcher, W.J., Eynaud, F., Rossignol, L., Renssen, H. 2013. European climate optimum and enhanced Greenland melt during the Last Interglacial. 2nd International APLE-APLF Congress on Pollen Biotechnology, Diversity and Function in a Changing Environment, 20 September 2013, Madrid, Spain.

24-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. (2013). The Latest Holocene Climate Record off Iberia. Conference “Holocene Climate changes”, 4-5 April 2013, London, UK.

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

22-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. 7th Symposium on the Atlantic Iberian Margin (MIA 2012), Lisbon, Portugal.

21-Rodrigues, T., Salgueiro, E. Naughton, F., de Abreu, L., Voelker, A.H.L., Abrantes, F. (2012). Latitudinal and Longitudinal SST gradient in the Western Iberian Margin during the LGIT. 7th Symposium on the Atlantic Iberian Margin (MIA 2012), Lisbon, Portugal.

20-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. 7th Symposium on the Atlantic Iberian Margin (MIA 2012), Lisbon, Portugal..

19-Rodrigues, T., Grimalt, J., Abrantes, F., Naughton, F. (2012). Climate Changes in the western Iberian Margin during Marine Isotope Stages 15-9 (580 TO 300 KA): Suborbital Glacial variability vs interglacial stability; EGU General Assembly, Viena Austria, 22 -27 April de 2012.



18-Oliveira; D., Naughton, F., Trigo, R., Rodrigues, T., Jouanneau, J.-M., Weber, O. (2012). Holocene Climate variability in south-western France. EGU General Assembly, Viena Austria, 22 -27 April de 2012

17-Gomes, S., Connor, S., Freitas, M.C., Andrade, C., Naughton, F., Cruces, A. (2011). A análise polínica do Poço do Pinheiro: um registo interglacial ou interestadial na costa alentejana?. IV JORNADAS DO QUATERNÁRIO – 1st International Conference. Alterações Ambientais e Interação Humana na Fachada Atlântica Ocidental/Environmental Change and Human Interaction in the Western Atlantic Façade. Coimbra, 9-10 de Dezembro.

16-Sánchez Goñi, M.F., Bakker, P., Desprat, S., Carlson, A., Van Meerbeeck, C., Peyron, Odile, P., Naughton, F., Fletcher, W., Michel, E., Eynaud, F., Braconnot, P., Rossignol, L., Renssen, H. (2011) Greenland Ice Sheet melt, changes in oceanic circulation and European climate during the Last Interglacial. XVIII INQUA-Congress, 21-27 July 2011, Bern, Switzerland.

15-Desprat, S., Sanchez Goñi, M.F., Naughton, F., Turon, J.-L., Malaizé, B. 2010 Interglacial climatic variability in southern Europe from NW Iberian marine pollen records. AGU Fall Meeting, December 2010, San Francisco, California, USA.

14-Sánchez Goñi, M.F., Michel, E., Desprat, St., Carlson, A., Naughton, F., Fletcher, W.J., Rossignol, L., 2010. European warming linked to Greenland melting during the Last Interglacial North Atlantic climate optimum AGU Fall Meeting , December 2010, San Francisco, California, USA.

13-Rodrigues, T., Grimalt, J., Abrantes, F., Naughton, F. and Flores, J.-A., 2010. Abrupt Sea Surface Temperature changes during The LastGlacial-Interglacial Transition in the Iberian margin: Sea Level implications. II IBERIAN SEMINAR IGBP – GLOBAL CHANGE: *Global Change in the Iberian Peninsula An integrated approach*. November 2010, Lisbon (Portugal).

12-Rodrigues, T., Grimalt, J., Abrantes, F., Naughton, F. and Flores, J.-A., 2010. 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, 2010.

11-F. d’Errico, M.F. Sanchez Goni, W. Banks, A.L. Daniau, T. Peterson, M. Kageyama, G. Ramstein, M. Vanhaeren, W. Fletcher, F. Naughton, S. Desprat 2009. The Impact of MIS 2-3 on Palaeolithic populations. Quaternary Research Association Annual discussion meeting, University of Oxford 5-7 January 2009.

10-Sánchez Goñi, M.F., Landais, A, Fletcher, W., Naughton, F., Desprat, S., Duprat, J. Contrasting impacts of Dansgaard-Oeschger events on the amplitude of forest cover and composition across a north-south western European transect. High-Resolution Pollen Records and Reconstruction of Vegetation Changes during Dansgaard-Oeschger (D-O)

events-Workshop" in the framework of the QUEST Working Group on Abrupt Climate Changes, June 2008, Bordeaux (France).

9-Sanchez Goñi, M.F.; Landais, A.; Fletcher, W.J.; Naughton, F.; Desprat, S.; Duprat, J. Contrasting impacts of Dansgaard-Oeschger events over a western European latitudinal transect: Implications for the location of main sources of glacial CH<sub>4</sub>. EGU General Assembly, Viena Austria, April 2008.

8-Sanchez Goñi, M.F., Landais, A., Naughton, F., Fletcher, W., Desprat, S., Duprat, J., Cortijo, E. and Turon, J.-L. 2007. Contrasting impacts of Dansgaard-Oeschger oscillations over a western European latitudinal transect (36°N-45°N). XVII INQUA Congress 2007 28 July - 3 August 2007, Australia.

7-Bourillet J-F., Jouanneau J-M., Macher, C., Le Hir, P. and Naughton, F. 2006. La Grande Vasière" mid-shelf mud belt: Holocene sedimentary structure, natural and anthropogenic impacts. X international on oceanography of the Bay of Biscay, 19-21 April 2006, Vigo, Spain.

6-Drago, T., Freitas, M. C., Andrade, C., Moreno, J., Cachão, M., Guerreiro, C., Araújo, F., Naughton, F., Goñi, M.F., Cascalho, J., Fradique, C., Fatela, F., Cruces A., Oliveira. 2006. Evolução pós-glaciária dos estuários do Douro e Minho (norte de Portugal). 1ª Conferência Lusófona sobre o Sistema Terra, 22 - 24 March 2006, Lisbon, Portugal.

5-Sánchez Goñi, M.F., Desprat, S., Naughton, F., Daniau, A.-L., Turon, J.-L., Duprat, J., Malaizé, B., Eynaud, F., Peyrouquet, J.-P., d'Errico, F., Bard, E., Shackleton, N.J., Cacho, I., Peyron, O. & Loutre, M.F. 2004. Terrestrial proxies in marine sediments: a key for understanding climatic, ecological and cultural changes. VIII International Conference of Paleoceanography (ICP8) September 2004, Biarritz, France.

4-Drago, T., Freitas, C., Rocha, F., Cachão, M., Moreno, J., Naughton, F., Fradique, C., Silveira, T., Oliveira, A., Cascalho, J. and Fatela, F. 2004. Paleoenvironmental data of the sedimentary record Douro estuary in the last 14 000 years. 8th International Coastal Symposium, March 2004, Vale do Itajaí, Santa Catarina, Brasil.

3-Drago, T., Freitas, C., Cachão, M., Moreno, J., Cascalho, J., Oliveira, A., Naughton, F., Fradique, C., Silveira, T. and Fatela, F. 2003. Proxy data of Douro estuary sedimentary record and sea level rise evolution in last 14.000 years. IV Simpósio sobre a margem continental Ibérica, June 2003, Portugal.

2-Drago, T., Freitas, C., Cachão, M., Moreno, J., Cascalho, J., Oliveira, A., Naughton, F., Fradique, C., Silveira, T. and Fatela, F. 2003. Douro estuary sedimentary record and sea level rise evolution in the last 14 000 years. IV Symposium on the Iberian Atlantic Margin; July 2003, University of Vigo, Spain.

1-Drago, T., Naughton, F., Freitas, C., Andrade, C., Rocha, F., Bordalo e Sá, A., Moreno, J., Cachão, M., Sánchez Goñi, M.F., Fatela, F., Oliveira, A. and Cascalho, J. 2002. Sobre a génese e evolução do Cabedelo, no contexto da reconstituição paleoambiental do estuário do Douro. Actas do 1º Seminário de Geomorfologia, Lisbon, Portugal.

#### **Posters in conferences:**

##### **First author:**

7-Naughton, F., Keigwin, L., Peteet, D., Desprat, S., Oliveira, D., Costas, S. Abrantes, F. Holocene climate changes in the Cape Hatteras region. PP33A-1910. American Geophysical Union, Fall Meeting 2013, San Francisco, USA, December 2013.

6-Naughton, F. Wet to dry climatic trend in north-western Iberia within Heinrich events. Encontro com a Ciencia e a tecnologia Nacional. Lisboa Portugal, Julho 2010.

5-Naughton, F. ; Bourillet, J-F.; Sánchez Goñi, M.F.; Turon, J-L.; Jouanneau, J-M. Long-term and millennial-scale climate variability in north-western France during the last 8850 years. EGU General Assembly, Viena Austria, April 2008.

4-Naughton, F. ; Sanchez Goñi, M.F.; Kageyama, M.; Bard, E. ; Duprat, J.; Cortijo, E.; Malaizé, B.; Joly, C.; Rostek, F.; Turon, J-L. Alternative mechanisms explaining the complex pattern of Heinrich events in the North Atlantic mid-latitudes. EGU General Assembly, Viena Austria, April 2008.

3-Naughton, F., Sanchez Goñi, M. F., Turon, J-L., Duprat, J., Cortijo, E., Malaizé, B., Joli, C., Bard, E. and Rostek, F. 2007. Wet to dry climatic trend in north western Iberia within Heinrich events. IX International Conference on Paleoceanography (ICP9), Setember 2007, Shanghai (China). (Student Poster Award).

2-Naughton, F., Sanchez Goñi, M. F., Turon, J-L., Duprat, J., Cortijo, E., Malaizé, B., Joli, C., Bard, E. and Rostek, F. 2006. Climate variability of the last 25.000 years in and off north western Iberia: a direct land-sea-ice correlation of two Galician margin deep-sea cores. European Geosciences Union (EGU) General Assembly, CL044 - EuroCLIMATE open session on, April 2006, Vienna, Austria.

1-Naughton, F., Sanchez Goñi, M.F., Turon, J-L., Duprat, J., Bard E., Rostek, F. and Desprat, S. 2004. Millennial-scale climatic variations in the northwestern Iberia during the last 25.000 years from a direct land-sea high resolution correlation. VIII International Conference of Paleoceanography, Setptember 2004, Biarritz, France.

##### **As co-author:**

14- GANNE, A., PENAUD, A., HARDY, W., TOUCANNE, S., NAUGHTON, F., EYNAUD, F., BOURILLET, J.-F. 2013. Changements climatiques rapides dans le Nord-Ouest de la France

(Grande Vasière) : Analyse dinokyste à haute resolution durant les derniers 9000 ans. ASF october 2013

13-Rodrigues, T., Abrantes, F., Naughton, F., Hodell, D., Grimalt, J., Martrat, B., Sánchez Goñi, M.F., Hernández-Molina, F.J., Stow, D.A.V., Alvarez-Zarikian, C. and IODP Expedition 339 Scientists. 2013. Past Climate Variability during MIS 19 in southwestern Iberian Site U1385, Shackleton site. XII International Conference on Paleoceanography (ICP9), September 2013, Barcelona, Spain.

12-Silva, P.F., Drago, T., Guerreiro, C., Caetano, M., Oliveira, A., Duarte, J.F., Naughton, F., Gomes, S. 2012. Magnetic variability along the Holocene sedimentary record in the southern Portuguese continental shelf. 7th Symposium on the Atlantic Iberian Margin (MIA 2012) (poster).

11-Caetano, M., Drago, T., Oliveira, A., Duarte, F., Naughton, F., Gomes, S., Jouanneau, J.M., Vale, C. 2012. Metal Geochemistry in sediment core from the SW Portuguese continental shelf. 7th Symposium on the Atlantic Iberian Margin (MIA 2012).

10-Oliveira, D., Naughton, F., Trigo, R., Abrantes, F., Rodrigues, T., Voelker, A. (2012). The role of blocking events during the 8.2. ka event over the mid-latitudes of the eastern North Atlantic region. 7th Symposium on the Atlantic Iberian Margin (MIA 2012) (poster).

9-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 April.

8-Rodrigues, T., Grimalt, J., Abrantes, F., Naughton, F. 2011. 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.

7-Rodrigues, T., Voelker, A., Abrantes, F., Grimalt, J., Naughton, F. (2011). Climate Changes in the western Iberian Margin during Marine Isotope Stages 15-9 (580 TO 300 KA): Suborbital Glacial variability. XVIII INQUA-Congress, 21-27 July 2011, Bern, Switzerland.

6-Rodrigues, T., Voelker, A., Abrantes, F., Grimalt, J., Naughton, F. (2011). Sea surface Temperature similarities during the Present and Past Interglacials. XVIII INQUA-Congress, 21-27 July 2011, Bern, Switzerland.

5-Rodrigues, T., Grimalt, J., Abrantes, F., Naughton, F. and Flores, J.-A., 2010. 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, 2010.

4-Fletcher, W.J.; Naughton, F.; Sanchez Goñi, M.F.; Cortijo, E.; Peyron, O.; Turon, J.-L. Direct correlation of marine and terrestrial responses to rapid climate variability during the last deglaciation in the Atlantic and Mediterranean sectors of the Iberian Peninsula. EGU General Assembly, Viena Austria, April 2008.

3-Weber, O., Drago, T., Naughton, F., Jouanneau, J.-M., Gabriele, S. and Serina, S. 2005. Fine scale sedimentary sequences of Douro muddy complex (northern portuguese continental shelf). Coastal Hope (workshop)- Iberian Coastal Holocene Paleoenvironmental Evolution, July 2005, Lisbon, Portugal.

2-Desprat, S., Sanchez Goñi, M.F., Naughton, F., Turon, J.-L., Duprat, J., Malaizé, B., Peyrouquet, J.-P. and Pujol, C. 2004. Climate variability of the last five isotopic interglacials: direct land-sea correlation from multiproxy analyses of northwestern Iberian margin deep-sea cores. September 2004, VIII International Conference of Paleoceanography, Biarritz, France.

1-Drago, T., Naughton, F., Moreno, J., Rocha, F., Cachão, M., Freitas, C., Sánchez Goñi, M.F., Oliveira, A., Cascalho, J., Fatela, F., Freitas, C. and Andrade, C. 2002. Geological record of environmental changes in the Douro estuary (NW Portugal) since the late glacial. VI International conference Litoral 2002 organized by the Eurocoast Association, Portugal.

### **Scientific Reports:**

Mil-Homens, M., Naughton, F.; Costa, A. M., Oliveira, D.; Santos, C., Rodrigues, T., Abrantes, F., Fonseca, S., Serrano, R. 2012. Characterization of DIVA09 – a gravity core from the Minho shelf. Project NATURA MIÑO-MINHO “Valorización de los recursos de la cuenca hidrográfica del MIÑO-MINHO” Activity 1 report – Part 2”. Unidade de Geologia Marinha – LNEG.Relatório Técnico INGMARDEP 05/2012. 47pag

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Naughton F. 2005. Analyse palynologique des sédiments de la carotte VK03-58 bis: Vegetation response to climate variability during the Holocene in the NW of France. 20681127, DGO, UMR-CNRS 5805 EPOC, Bordeaux. IFREMER (France).

Odete Gil, Miguel Quintans, Teresa Drago, Óscar Costa, Cristina Micaelo, Isabelina Santos, Ana Filipa Naughton, Carlos Vale, Jorge Santos, Pedro Brito e Regina Granja (Outubro 1999) “Caracterização granulométrica e química de sedimentos do canal sul do estuário do Sado e Bacia de rotação na Zona da Mitrena”. IPIMAR (Portugal).

Odete Gil, Miguel Caetano, Teresa Drago, Cristina Micaelo, Paulo Antunes, Ana Filipa Naughton e Miguel Quintans (Dezembro 1999). Caracterização granulométrica e química de sedimentos a dragar do Porto de Ponta Delgada.

### **Participation in Workshops:**

**September 2013. CLIMHOL Workshop** “Holocene climatic variability in the North Atlantic and adjacent landmasses: land-sea direct correlation”, 25-26 September 2013, LNEG Alfragide, Portugal.

**Abril 2013. Workshop “Holocene Climate changes**, 4-5 April 2013, London, UK.

**December 2012. INQUA (International Union for Quaternary research) focus group ACER and COST action for attending the ACER-INTIMATE joint workshop** on “Harmonization of Database Chronologies”, Bordeaux I University, France.

**September 2011:** EPD Surface Sample Workshop, 13-16 september 2011, in “Ecole Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland.”

**June 2008:** High-Resolution Pollen Records and Reconstruction of Vegetation Changes during Dansgaard-Oeschger (D-O) events" in the framework of the QUEST Working Group on Abrupt Climate Changes.

**October 2007:** RESOLuTION - Rapid climatic and environmental shifts during oxygen isotope stages (OIS) 2 and 3 - linking high-resolution terrestrial, ice core and marine archives) Workshop, De Lutte, Pays Bas, financed by “European Science Foundation.

**March 2007:** Radiocarbon and ice-core chronologies during Glacial and deglacial times Workshop at the Heidelberg Academy of Sciences, Heidelberg, Germany. Associated with the project **Tree-14 (FP-14)** financed by the European Science Foundation.

**January 2007:** Circum-Iberia Paleooceanography and Paleoclimate Workshop (IMAGES, PAGES, Portuguese Paleooceanography Association) Peniche, Portugal.

**October 2005:** RESOLuTION - Rapid climatic and environmental shifts during oxygen isotope stages (OIS) 2 and 3 - linking high-resolution terrestrial, ice core and marine archives) Workshop, Les Eyzies, France.