

G. Carrara CURRICULUM VITAE ET STUDIORUM

Gabriela Carrara

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PERSONAL DATA

Date of birth: 11 - 01 - 1967

Place of birth: Pisa

Nationality: Italian

Marital Status: married

Children: 1

LANGUAGES

Italian: mother language

English: good (written and spoken)

Portuguese: good (written and spoken)

French: basic level (good reading understanding)

Spanish: basic level (good understanding and reading)

QUALIFICATIONS

2002 – PhD in Earth Sciences (Marine Geology), Parma University (Italy).

1993 - Graduated in Geological Sciences, Pisa University (Italy).

PRESENT POSITION

Researcher at PROAMBIENTE srl

Research interests

- Natural hazards of geological causes and/or oceanographic origin (such as mass wasting processes, earthquakes and tsunamis, coastal and sea floor instabilities);
- Morphotectonic and structural analysis in marine areas of mid ocean ridges, transform faults and back-arc settings by processing and interpretation of multi-channel seismic profiles, bathymetric and reflectivity data.
- Developing and management of multidisciplinary marine relational databases (geological, geophysical, bathymetric and oceanographic data).
- Marine geological data integration, processing and interpretation.

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LAST TEN YEARS ACTIVITY

- Commercial Director of GEOPHI s.r.l (www.geophi.it) with the main duty of identify company needs, daily administration, management and recognition of new work opportunities, scientific and commercial proposal writing, preparation of technical reports.
- Member of the Shackleton Site Project since 2010 with active participation in submitting an IODP Full Proposal (771) focused on an extended core recovery on the atlantic Iberian margin where a marine-ice-terrestrial correlation would be possible. At present the proposal is pending with the Integrated Ocean Drilling Program (IODP) for a complete 56-day expedition to the Iberian margin. (**Hodell et al 2015, 2014, 2013; Abrantes et al. 2010**).
- Fixed-time Researcher in the field of Natural hazards of geological causes at LNEG, National Laboratory of Energy and Geology – Unit of Marine Geology, Alfragide (Portugal) and after at IPMA, Portuguese Institute for the Ocean and Atmosphere, Marine Division, Lisbon (Portugal). Main duties: Active participation in European and national research projects managing, team gathering, research fellows supervisor, developing and maintaining of marine geological and geophysical databases at national and european level, acquisition and processing of multi-channel seismic and bathymetric data. (**Dias et al. 2010, Terrinha et al. 2013, Carrara et al. 2012, 2013, 2014**) Since 2010 to 2012 Portuguese national delegate as marine geology expert inside the Marine Geology Expert Group of the European Geological Service.
- Fixed-term researcher at the Institute of Marine Sciences of National Council of Research in Bologna (2006-2008). Main duties: the development and management of the NEAREST geological relational database and project web site (nearest.bo.ismar.cnr.it), bathymetric and multichannel seismic data processing of the SW Iberia offshore, marine surveys organization and data acquisition (**Carrara et al 2008, Zitellini, Carrara et al 2007**).
- PhD in Earth Sciences at the University of Parma (Italy) with a dissertation entitled "Neogenic tectonic evolution of the Tyrrhenian western margin (Central Mediterranean)" at the beginning of 2002 under the supervision of Professor Luigi Torelli. (**DiStefano et al. 2011; Sartori et al. 2001, 2004; Carminati et al. 2004, Marani et al 2004**)
- Since 2001 involved in the national project CROP (deep crustal multichannel seismic profiles of the Italian lithosphere and its surroundings) as person in charge of the CROP Data Repository Lab at the Bologna Section of the Institute of Marine Sciences of CNR. Database and web site manager of CROP project, www.crop.cnr.it, (**Carrara 2001-2005, Carrara et al. 2007**).

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STUDIES

- 1998-2002 - PhD in Marine Geology and Geophysics.** Thesis: "Neogenic tectonic evolution of the Tyrrhenian western margin (Central Mediterranean). Parma University, Italy.
Tutor: Prof. L. Torelli.
- Feb 2000 - Visiting scientist** at Southampton Oceanography Centre (UK), from 19 Feb 2000 until 11 March 2000 for the elaboration of Azores99 TOBI data.
Tutor: Prof. T. Le Bas.
- Feb 1998 - Visiting scientist** at Lamont Doherty Earth Observatory of Columbia University (USA), from 26 Feb 1998 through 11 March 1998, for the Vema F.Z. geophysical data analysis.
Tutor: Prof. K. Kastens.
- 1996-1998 - Scholarship** at the Institute of Marine Geology of Bologna (National Council of Research) Subject: Morphobathimetric and petrological study of Bouvet triple junction. South Atlantic (Antarctic region) within the Program of Italian Research in Antarctica (PNRA).
Tutor: Prof. E. Bonatti.
- 1985-1993 - Degree Course in Geological Sciences.** Dissertation: "Transform domain: analyses and interpretation of marine geophysical data from the Vema Fracture Zone (Equatorial Atlantic)".
Tutor: Prof. E. Bonatti.

COURSES and SCHOOLS

- 10 – 15 december 2011** IFREMER Course for swath bathymetry processing using CARAIBES package (upgrading), Brest, France.
- 19 – 20 May 2005** – Basi di informatica ed elaborazione dati, con applicazione ai dati geomarini c/o ISMAR-CNR Bologna, Italy.
- 9 -11 Mar 2005** – Introduction to GIS open source GRASS, by MPA Solution at ISMAR-CNR Bologna, Italy.
- 21 – 25 Feb 2005** – Wedge Mechanics and Orogenic Belts, by S. Willet, at Bologna University (Italy).
- 17 - 19 May 2004** – Working with ArcView Spatial Analyst, ESRI Italia at Regione Emilia Romagna, Bologna (Italy).
- 20 May 2004** – Working with ArcView 3D Analyst, ESRI Italia at Regione Emilia Romagna, Bologna (Italy).
- 25 – 29 Sept 2000** - Section balancing and structural analysis using the computer applications 2DMove and 3DMove from Midland Valley Exploration, Urbino University, Italy
- 12 – 15 May 1998** - IFREMER Course for swath bathymetry processing using CARAIBES package (CNR-Italy).

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27 Feb 1996 - SIMRAD Course for swath bathymetry processing using Mermaid, Merlin, Neptune packages. At IGM of Bologna, Italy.

19 – 25 Jun 1994 - VIII Summer School Earth and Planetary Sciences "Plate Tectonics: the first twenty-five years" University of Siena, Certosa di Pontignano (Italy).

30 March - 4 Apr 1992 - "The geology of foreland thrust belts". Dr R.W.H. Butler (University of Leeds, UK). Siena (Italy).

LABORATORY ACTIVITY

Multichannel seismic reflection data processing.

Bathymetric data processing.

Geomarine data handling (navigation/positioning, magnetometric and gravimetric data).

Cartographic map production.

Data validation and harmonization.

Relational databases building and managing for geomarine data.

COMPUTER LITERACY

Experience gained using applications on:

- VMS environment (workstations Vax and Alpha)
- UNIX environment (Sun Sparkstation 10, 20, ULTRA, Silicon graphics)
- Linux environments (Red Hat, Ubuntu, kubuntu, CentOS).
- MS-DOS (IBM-PC) environment, MS-Windows environment (word, excel, access)
- Macintosh environment.

Skill gained in the following computer applications:

- GIS data management using: QGIS, Arcview, IRAP, GMT, PLOTMAP AND DATUM, AUTOCAD softwares.
- seismic processing using: DISCO and FOCUS (Paradigm), running on SILICON GRAPHICS and SUN Spark Station; Seismic Unix (Colorado School of Mine) running on PC linux, Landmark Suite (including PROMAX) on Linux stations.
- swath bathymetry data processing using: NEPTUNE (Simrad), IRAP 6.3 (Geomatic); MB(Lamont Doherty), GMT, PDS2000 (Reson), Caraibes (IFREMER).
- Side scan sonar data processing using : PRISM (Southampton Oceanography Centre, UK)
- SQL - MySQL
- Postgresql databases (basic concepts)
- Website management and development.

Geophysical data acquisition experience gained during several geological/geophysical cruises in Atlantic Ocean and Mediterranean Sea with many Scientific institutions and private companies (CNR, IFREMER, SOC, LNEG, Moscow Institute of Geology, Nuova GSO, GAS geological assistance and services, etc).

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EMPLOYMENT RECORDS

- Jun 2017 up to now** **Position: Fixed-time Researcher**
Employer: PROAMBIENTE s.c.r.l. (Bologna, Italy)
Activity: Collaboration inside the EMILIA-ROMAGNA region POR-FESR project INFORMARE.
- Oct 2013 – Oct 2015** **Position: Commercial Director**
Employer: GEOPHI s.r.l. (Bologna, Italy)
Activity: oversee company needs, handle daily business issues, manage company associations and recognize business opportunities, writing scientific and working proposals.
- Oct 2012 - Sept 2013** **Position: Fixed-time Researcher**
Employer: IPMA, Lisbon, Portugal.
Activity: team gathering, develop, building and maintaining of marine geological and geophysical databases at national and european level, acquisition and processing of seismic and bathymetric data focusing on marine geological hazard.
- Oct 2008 - Oct 2012** **Position: Fixed-time Researcher**
Employer: LNEG, Alfragide, Portugal.
Activity: team gathering, developing, building and maintaining of marine geological and geophysical databases at national and european level, acquisition and processing of seismic and bathymetric data focusing on marine geological hazard.
- Oct 2006 – Sept 2008** **Position: Fixed-time Researcher**
Employer: ISMAR-BO, CNR (Italy).
Activity: Technical and scientific support inside the EU Reasearch Project NEAREST (Integrated Observations from NEAR Shore SourcES of Tsunamis)
- Dec 2005 - Oct 2006** **Position: Research Contract**
Employer: ISMAR-BO, CNR (Italy)
Activity: Management of the Italian CROP national seismic database and its web site, seismic data processing within the "Banca dati CROP, Antartide, FIRB-ANOCSSIA, PANAREA", research programs under the direction of Dr. M.Ravaioli, Dr. N.Zitellini, Mr. G.Bortoluzzi.
- Feb 2003 – Jan 2006** **Position: Geological and technical consultant**
Employer: Geological Survey of Emilia-Romagna region (Italy)
Activity: Software validation of some Sheets of the Geological Italian Cartography to scale 1:50000 within the Italian project CARG under the direction of Dr. R. Pignone.
Creation of bathymetric model of the Adriatic sea within the EU project CADSEALAND (WP04: Integrated informative system to support protection strategies) under the direction of Dr L. Perini and R. Pignone.
- Nov 2001 - Sept 2005** **Position: Research Contract**
Employer: ISMAR-BO, CNR (Italy)

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Activity: Responsible of the development and management of the Italian CROP seismic database; implementation and management of the CROP web site under the the direction of Dr. M.Ravaioli.

Jan - June 2001

Position: Geological and technical consultant

Employer: ISMAR-BO, CNR (Italy)

Activity: Responsible of Seismic CROP data recovery within the CROP project under the direction of Dr. M.Ravaioli and Mr. G.Bortoluzzi.

Feb-Mar 1998

Position: Geological and technical consultant

Employer: ISMAR-BO, CNR (Italy)

Activity: Responsible of developing of the PRISMA2 geological and environmental database under the direction of Mr. G.Bortoluzzi.

Gen 1996- Gen 1998

Contract: Research Fellowship

Employer: IGM, CNR (Italy)

Activity: Bathymetric and seismic data acquisition, bathymetric and seismic data processing, petrographic and morphobathymetric analyses of the Bouvet Triple Junction (South Atlantic).

Mar 1995 – Jan 1996

Position: Geological and technical consultant

Employer:G.A.S. Geological Assistance and Services – Bologna, Italy

Activity: Acquisition, processing and interpretation of bathymetric, Side Scan Sonar, Sub Bottom Profiler and magnetometric data, cartographic elaboration for 1) Echologic survey Baia di Panzano (Golfo di Trieste) Monfalcone (Italy). September-October 1995, 2) Pre-engineering survey Libanon Offshore. July-August 1995, 3) Pre-engineering survey Central Adriatic Offshore. May-June 1995.

Jan 1995 – Feb 1995

Position: Geological and technical consultant

Employer: Nuova G.S.O. Bologna, Italy

Activity: Acquisition, processing and interpretation of bathymetric, Side Scan Sonar, Sub Bottom Profiler and magnetometric data, cartographic elaboration for a Pre-engineering survey Central Adriatic Offshore.

1993-1995

Position: Research Contract

Employer: IGM-CNR, Italy

Activity: research activity, acquisition, processing and interpretation of multichannell seismic data inside Equatorial Atlantic Projects under the direction of Prof. E. Bonatti.

May 1991 – Dec 1991

Position: Technical assistant

Employer: IGGI – CNR (Italy)

Activity: Input and processing of data for the international database GEOCH (Geochemical Data of Natural Fluids from Italian Active Volcanoes under Surveillance) of the Italian Gruppo Nazionale per la Vulcanologia (GNV).

May 1990 – Dec 1990

Position: Technical assistant

Employer: IGGI - CNR, Pisa)

Activity: Input and processing of data for the international database GEOCH (Geochemical Data of Natural Fluids from

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Italian Active Volcanoes under Surveillance) of the Italian Gruppo Nazionale per la Vulcanologia (GNV).

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RESEARCH PROJECT PARTICIPATION

- **EMODNET – GEOLOGY II Lot** (2013)
Position: IPMA delegate
Activity: Initial supervision and coordination of CDI production for the Emodnet database.
- **EMODNET- HYDROGRAPHY II Lot** (2013)
Position: IPMA delegate
Activity: Initial Bathymetric data processing and CDI production for the Emodnet database.
- **EMODNET- HYDROGRAPHY I Lot** (2010-2012)
Position: Associate partner delegate
Activity: Bathymetric data processing and CDI production for the Emodnet database.
- **GEOSEAS:** Pan-European infrastructure for management of marine and ocean geological and geophysical data, EU- project (2009-2013).
Position: WP5 leader
Activity: coordination and management of population of the GeoSeas CDI database.
- **FREEZE - Submarine FREshwater dischargeS: characteriZation and Evaluation** study on their impact on the Algarve coastal ecosystem, FCT national project (2010-2013).
Position: Project leader
Activity: Project coordinator of the multidisciplinary tasks, Seismic and bathymetric data interpreter.
- **QREN-PORLISBOA - AVALIAÇÃO DE RISCOS NATURAIS E TECNOLÓGICOS NA CIDADE DE LISBOA**, Camara Municipal de Lisboa (2009-2011) <http://lxrisk.cm-lisboa.pt/objectivo.html>
Position: Reasearcher
Activity: seismic and bathymetric data interpreter
- **TOPOMED-** Plate re-organization in the western Mediterranean:lithospheric causes and topographic consequences, EU-project (2008- 2011).
Position: Reasearcher;
Activity: seismic data interpreter
- **NEAREST (INTEGRATED OBSERVATIONS FROM NEAR SHORE SOURCES OF TSUNAMIS)**, EU project, 2006-2008, Coordinator Dr. N. Zitellini (ISMAR-Bo);
Position: Reasearcher
Activity: development, management and mantainance of the project's geological database, the NEAREST web site (<http://nearest.bo.ismar.cnr.it>), (re)processing of the multichannell seismic profiles.
- **TETTONICA E SEDIMENTAZIONE NEL COMPLESSO DI ACCREZIONE AL FRONTE DELL'ARCO CALABRO (MARIONIO): INDAGINI DI BATIMETRIA AD ALTA RISOLUZIONE, DI CAMPIONATURA E DI SISMICA A RIFLESSIONE SUPERFICIALE E PROFONDA.**, progetto COFIN UniPR-UniBO, 2007, Coordinator Prof. L. Torelli (Parma University);
Position: Reasearcher
Activity: development, management and mantainance of project web site and processing of multichannell seismic profiles.

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- **ANOCZIA (ANOSSIE ATTUALI NEL NORD ADRIATICO, REGISTRAZIONE NEI SEDIMENTI IN EPOCA STORICA. INFLUENZA SULLE RISORSE DI PESCA E BENTONICHE. MODELLIZZAZIONE E PREVISIONE)** - Finanziamento MIUR - FIRB 2004-2007, Coordinatore Dr. M. Ravaioli (ISMAR-Bo).
Position: Reasearcher
Activity: development, management and mantainance of a geological/environmental database and mapping.
- **EMMA (ENVIRONMENTAL MANAGEMENT THROUGH MONITORING AND MODELLING OF ANOXIA)**, Progetto Life-UE- DG- Enviroment, 2004- 2007, Coordinatore Dr. M. Ravaioli (ISMAR-Bo);
Position: Reasearcher
Activity: development, management and mantainance of a geological/environmental database and mapping.
- **REQUISITE (REALIZZAZIONE DI UN SISTEMA INTEGRATO DI SORVEGLIANZA SULLA QUALITÀ DELLE ACQUE MARINE DELL'ADRIATICO IN PARTICOLARE SUI FENOMENI EUTROFICI E MUCILLAGINOSI)**, UE-INTERREG III-A TRANSFRONTALIERO ADRIATICO, ASSE 1 MISURA 1.1, (Regione E.Romagna, Marche, Abruzzo), 2004-2006, Resp. Dr. M. Ravaioli (ISMAR-Bo).
Position: Reasearcher
Activity: development, management and mantainance of a geological/environmental database and mapping.
- **CADSEALAND (LAND-SEA INTERACTION:COASTAL STATE AND EVOLUTION IN CADSES)**, progetto EU- Regione Emilia Romagna, 2005-2006, Coord and Resp. Dr. L. Perini (Geological Survey of Emilia Romagna, Italy);
Position: Scientific consultant
Activity: Bathymetric data recovery and modeling
- **SERVIZIO CIVILE VOLONTARIO**, progetto CNR, 2005-2006, Coordinator Dr. M. Ravaioli (ISMAR-Bo);
Position: Scientific consultant
Activity: personnell trainer
- **CARG**, National Geological Survey, 2003-2004, Respons. Reg. Emilia-Romagna Dr. R. Pignone (Director Geological Survey of Emilia Romagna);
Position: Scientific consultant
Activity: Software validation of some Sheets of the Geological Italian Cartography to scale 1:50000
- **PROGETTO GIOVANI RICERCATORI** Univ. Parma, progetto Univ. Di Parma, 2001, Coordinator Dr. G. Carrara (Parma University);
Position: Leader
Activity: Reflectivity data analysis.
- **CONOSCENZA DELLE PARTI SOMMERSE DEI VULCANI ITALIANI E VALUTAZIONI DEL POTENZIALE RISCHIO VULCANICO**, progetto GNV, 2002-2005, Coordinator Dr. M. Marani (ISMAR-Bo);
Position: Reasearcher
Activity: Bathimetry data analysis and modeling.
- **BANCA DATI CROP**, progetto Strategico CNR, 2000-2006, Coordinator Dr M. Ravaioli (ISMAR-Bo);
Position: Reasearcher
Activity: data gathering, development and management of the seismic database and implementation and management of a web site (www.crop.cnr.it)

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- **STRUTTURA ED EVOLUZIONE DEL MARGINE ATLANTICO SUD-IBERICO: TETTONICA NEOGENICO-RECENTE ED INTERAZIONE CON LE PORZIONI ESTERNE DELL'ARCO DI GIBILTERRA, MEDIANTE INDEGINI DI SISMICA A RIFLESSIONE SUPERFICIALE E PROFONDA**, progetto COFIN UniBO, 2000, Coordinator: Prof. R. Sartori (Bologna University, Italy);
Position: Reasearcher
Activity: Seismic processing and interpretation
- **ANATOMIA DEL BACINO TIRRENICO, UNO STUDIO STRUTTURALE BASATO SU REPROCESSING MIRATO DI LINEE SISMICHE MULTITRACCIA AD ALTA PENETRAZIONE**, progetto COFIN UniBO, 1998 Coordinator: Prof. R. Sartori (Bologna University, Italy);
Position: Reasearcher
Activity: Bathymetry and seismic multichannel data
- **IL TIRRENO: STUDIO MORFOSTRUTTURALE AD ALTA RISOLUZIONE DI UN BACINO DI RETRO-ARCO**, Servizio Geologico Nazionale, 1999-2000, Coordinator: Prof. E. Bonatti (Pisa University, Italy), Sci. Resp. Dr. M. Marani (IGM-CNR);
Position: Reasearcher
Activity: Bathymetry acquisition, processing and interpretation
- **CONTROLLO TETTONICO E DI PRESSIONE SULL'EVOLUZIONE DEI GRANDI RILIEVI VULCANICI LINEARI ASSOCIATI ALL'ARCIPELAGO DELLE AZZORRE**, progetto CEE-CNR, 1999, Resp.: Dr. M. Ligi (IGM-CNR);
Position: Reasearcher
Activity: Side scan sonar acquisition, processing and interpretation
- **PRISMA II – (sottoprogetto BANCA DATI)**, progetto StrategicoCNR, 1996, Sci. Resp. Mr. G. Bortoluzzi (IGM-CNR);
Position: Reasearcher
Activity: Database improvement
- **PRISMA – (Sottoprogetto FLUSSI DA E VERSO I FONDALI)**, progetto Strategico CNR, 1996, Sci. Resp. Dr. F. Frascari (IGM-CNR);
Position: Reasearcher
Activity: Database activity
- **FORMAZIONE DELLA LITOSFERA LUNGO LE DORSALI MEDIO-OCEANICHE E NEI BACINI DI RETROARCO: STUDI GEOLOGICI NELL'ATLANTICO EQUATORIALE E NEL MAR TIRRENO**, progetto strategico CNR, 1995-1999, Resp. Prof. E. Bonatti (Pisa University, Italy), Sci. Resp. Dr. M. Marani (IGM-CNR);
Position: Reasearcher
Activity: Seismic and bathymetric data acquisition, processing and interpretation
- **ANALISI PETROGRAFICA E MORFOBATIMETRICA DELLA GIUNZIONE TRIPLA DI BOUVET (ATLANTICO MERIDIONALE)**, progetto PNRA, 1996-1998, Resp. Prof. E. Bonatti (Pisa University, Italy),
Position: Reasearcher
Activity: Rock sampling and analysys, bathymetry acquisition, processing and interpretation
- **STUDIO DELLA LITOSFERA OCEANICA**, progetto strategico CNR, 1992-1998, Coordinator Prof. E. Bonatti (Pisa University, Italy), Sci. Resp. Dr. M. Ligi (IGM-CNR);
Position: Reasearcher
Activity: Seismic and bathymetric data acquisition, processing and interpretation

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RESEARCH CRUISES

2014 -

2013 - JC089 - IODP site survey of the "Shackleton sites" on the SW Iberian Margin

<http://www.esc.cam.ac.uk/research/research-groups/james-cook-cruise>

Role: Geoscientist.

2013 – Freeze 2013: Very Shallow water oceanographic survey

Role: Marine Geologist, Chief Scientist.

2012 – Freeze 2012: Very Shallow water oceanographic survey

Role: Marine Geologist, Chief Scientist.

2011 – Freeze 2011: Bathymetry and seismic data acquisition cruise

Role: Marine Geologist, Chief Scientist.

2010 – Freeze 2010: Bathymetry and seismic data acquisition cruise

Role: Marine Geologist, Chief Scientist.

2008 – NEAREST 2008: Abyssal station (Geostar like) and OBSs recovery cruise within the NEAREST EU project.

Role: Marine Geologist, Chief Scientist.

2008 – CALAMARE08: geological and geophysical campaign inside the CALAMARE (CALabrian Arc MARine geophysical Experiment - study of active deformation and seismic hazard assessment) project.

Role: Marine Geologist, MCS processing

2007 – NEAREST 2007: Abyssal station (Geostar like) and OBSs deployment cruise within the NEAREST EU project.

Role: Marine Geologist (first leg), Chief Scientist (second leg)

1999 – AZ99: Side Scan Sonar and Sub-bottom survey using TOBI (Towed Ocean Bottom Instrument, SOC di Southampton). Azores Islands (Central Atlantic), July 1999.

Role: Marine Geologist

1999 – TIR99: multibeam swath bathymetry survey (EM12-120S, SIMRAD), single-channel seismic data acquisition. Gravimetric and magnetometric survey. Tyrrhenian Sea, February-March 1996.

Role: Multibeam data acquisition

1998 - MAR98: rock sampling cruise and subbottom profiler survey. Southern Tyrrhenian sea. June 1998.

Role: Marine Geologist, navigation

1996 - TIR96: multibeam swath bathymetry survey, single-channel seismic data acquisition. Southern Tyrrhenian Sea. September-October 1996.

Role: Multibeam data acquisition

1996 - G96-ROMANCHE: multibeam swath bathymetry survey, single and multi-channel seismic data acquisition, seafloor sampling (coring and dredging). Equatorial Atlantic. May-July 1996.

Role: multibeam and seismic acquisition

1996 - G96-BOUVET: multibeam swath bathymetry survey, single and multi-channel seismic data acquisition, seafloor sampling (coring and dredging). Bouvet Triple Junction

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(South Atlantic). March- May 1996.

Role: Multibeam and seismic acquisition

1994 - NORGASIS: high penetration multi-channel seismic data acquisition (IFREMER). Biscay Bay. September 1994.

Role: Seismic data acquisition.

1994 - PRIMAR III: multibeam swath bathymetry acquisition, single and multi-channel seismic data acquisition, seafloor sampling (coring and dredging). Equatorial Atlantic. February- March 1994.

Role: Seismic data acquisition and processing

1993 - PRIMAR II: multibeam swath bathymetry acquisition, seismic mono and multi-channel seismic data acquisition, seafloor sampling (coring and dredging). Equatorial Atlantic. March-May 1993.

Role: Student, seismic data acquisition and processing

1992 - ALB-92: multi-channel seismic data acquisition. Southern Adriatic Sea. November 1992.

Role: Student, seismic data acquisition.

1991 - PB-91: single channel seismic data acquisition (Paola Basin). Southern Tyrrhenian Sea. April 1991.

Role: Student

1991 - ELBA-91: single channel seismic data acquisition. Northern Tyrrhenian Sea. March 1991.

Role: Student

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PUBLICATIONS

Thesis

PhD-Thesis: **Carrara G. (2002)** - Evoluzione cinematica neogenica del margine occidentale del Bacino Tirrenico, Parma University, Italy.

"Laurea" Thesis: **Carrara G. (1993)** - Domini Trasformi: analisi ed interpretazione di dati geofisici marini relativi alla zona di frattura Vema (Atlantico Equatoriale), Pisa University, Italy

Book Chapters

P.; Terrinha, L. Matias, V. Valadares, C. Roque, J. Duarte, F. Rosas, I. Iribarren, S. Silva, T. Cunha, L. Batista, H. Duarte, M.C. Neves, **G. Carrara**, N. Zitellini, E. Gràcia, M.-A Gutscher, N. Lourenço, M.P. Abreu (**2013**) - A Margem Sul Portuguesa Profunda. In Geologia de Portugal Volume II – Geologia Meso-Cenozoica de Portugal. Editores: R.Dias, A. Araújo, P. Terrinha & J. C. Kullberg. 2013 Escola Editora.

Dias, R. P.; Terrinha, P.; Carvalho. J.; Cunha, T.; Matias, L.; Ressurreição, R.; Noiva, J.; Vicente, J.; Silva, S.; Ramalho, E.; Pinto, C.; Roque, C.; Duarte, J.; Valadares, V.; **Carrara, G.**; Duarte, H.; Batista, L.; Rego, J.; Gomes, F.; Caneiras, F.; Marquilhas, J.; Catrapona J. (**2010**) - Sismotectónica do Algarve. In Estudo do risco sísmico e de tsunamis do Algarve. (Eds) Autoridade Nacional para a Protecção Civil. 165pp. (www.prociiv.pt/Documents/ERSTA_ANPC.pdf).

Eugenio Carminati, Carlo Doglioni, Andrea Argnani, **Gabriela Carrara**, Christo Dabovski, Nikola Dumurdzhanov, Maurizio Gaetani, Georgi Georgiev, Alain Mauffret, Renzo Sartori, Veronica Scionti, Davide Scrocca, Michel Séranne, Luigi Torelli, van Zagorchev (**2004**) - TRANSMED - TRANSECT III: a description of the section and of the data sources. In The TRANSMED ATLAS, The Mediterranean region from crust to mantle. W. Cavazza, F.M.Roure, W. Spakman, G Stampfli and P. Ziegler Eds.

Papers on international journals

Rui Quartau, Ricardo S.Ramalho, José Madeira, RúbenSantos, Aurora Rodrigues, Cristina Roque, Gabriela **Carrara**, AntónioBrum da Silveira (**2018**) - Gravitational, erosional and depositional processes on volcanic ocean islands: Insights from the submarine morphology of Madeira Archipelago. Earth and Planetary Science Letters, Vol 482, Pages 288-299. <https://doi.org/10.1016/j.epsl.2017.11.003>

Giuseppe Stanghellini, Gabriela **Carrara** (**2017**). Segy-change: the swiss army knife for the SEG-Y files. <https://doi.org/10.1016/j.softx.2017.01.003>

Hodell, D., Lourens, L., Crowhurst, S., Konijnendijk, T., Tjallingii, R., Jimenez-Espejo, F., Skinner, L., Tzedakis, P.C., the.Shackleton.Site.Project.Members:, Abrantes, F., Acton, G.D., Bahr, A., Balestra, B., Llave-Barranco, E., **Carrara, G.**, Ducassou, E., Flood, R.D., Flores, J.-A., Furota, S., Grimalt, J., Grunert, P., Hernández-Molina, J., Kim, J.K., Krissek, L.A., Kuroda, J., Li, B., Lofi, J., Margari, V., Martrat, B., Miller, M.D., Nanayama, F., Nishida, N., Richter, C., Rodrigues, T., Rodríguez-Tovar, F.J., Roque, A.C.F., Sanchez-Goni, M.F., Sierro-Sánchez, F.J., Singh, A.D., Sloss, C.R., Stow, D.A.V., Takashimizu, Y., Tzanova, A., Voelker, A., Xuan, C., Williams, T., Zirikian, C.A.A., (**2015**). A reference time scale for Site U1385 (Shackleton Site)

G. Carrara CURRICULUM VITAE ET STUDIORUM

on the SW Iberian Margin. *Global and Planetary Change*, <http://dx.doi.org/10.1016/>.

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

Di Stefano, R., I. Bianchi, M. G. Ciaccio, **G. Carrara**, and E. Kissling (2011), Three-dimensional Moho topography in Italy: New constraints from receiver functions and controlled source seismology, *Geochem. Geophys. Geosyst.*, 12, Q09006, doi:10.1029/2011GC003649.

F. Abrantes, D. Hodell, **G. Carrara**, L. Batista and H Duarte (2010) . IODP Drilling of the "Shakleton Sites" on the Iberian Margin: A Plio-Pleistocene Marine Reference Section of Millennial-Scale Climate Change. *Sci. Dril.*, 9, 50-51, doi:10.2204/iodp.sd.9.10.2010

Sartori R., Torelli L., Zitellini N., **Carrara G.**, Magaldi M., Mussoni P. (2004). Crustal features along the W-E Tyrrhenian transect from Sardinia to Campania margins (Central Mediterranean). *Tectonophysics* 383,171-192 .

William Cavazza, Francois Roure, Wim Spakman, Gerard M. Stampfli, Peter A. Ziegler, and the TRANSMED Project Working Groups (2004) – The TRANSMED Atlas: geological- geophysical fabric of the Mediterranean region – Final report of the project. *Episodes*, vol. 27, n. 4, 244-254.

Sartori R., **Carrara G.**, Torelli L., Zitellini N. (2001) - Neogene evolution of the Southwestern Tyrrhenian Sea (Sardinia basin and Western bathyal plain). *Marine Geology*, 175, 47-66.

L.Torelli, **G. Carrara**, R. Sartori and N. Zitellini (2000) – Cenozoic collisional and extensional structures among Sardinia, Sicily and Tunisia (Central Mediterranean): examples and constraints from seismic reflection profiles. *CIESM Workshop Series n. 13*, 53-55.

Mitchell N.C., Livermore R.A., Fabretti P. and **Carrara G.** (2000) - The Bouvet Triple Junction, 20 to 10 Ma, and extensive transtensional deformation adjacent to the Bouvet and Conrad transforms. *Journal of Geophysical Research*, vol 105, No. B4, 8279-8296.

Ligi M., Bonatti E., Bortoluzzi G., **Carrara G.**, Fabretti P., Gilod D., Peyve A.A., Skolotnev S. and Turko N. (1999) - Bouvet Triple Junction in the South Atlantic: geology and evolution. *Journal of Geophysical Research*, Vol. 104, No. B12, 29365-29385.

Kastens K., Bonatti E., Caress D., **Carrara G.**, Dauteuil O., Frueh-Green G., Ligi M. (1998) - The Vema transverse ridge (Central Atlantic). *Marine Geophys. Res.*, 20, 533-556.

Ligi M., Bonatti E., Bortoluzzi G., **Carrara G.**, Fabretti P., Penitenti D., Gilod D., Peyve A., Skolotnev S. and N.Turko, (1997) - Death and transfiguration of a triple junction in the South Atlantic. *Science*, Vol, 276, 243-245.

Bonatti E., Ligi M., **Carrara G.**, Gasperini L.,Turko N., Perfiliev S., Peyve A. and P.F.Sciuto, (1996) – Diffuse impact of the Mid Atlantic Ridge with the Romanche transform: an ultracold Ridge/Transform Intersection. *Journal of Geophysical Research*, Vol. 101, No. B4, 8043-8054.

G. Carrara CURRICULUM VITAE ET STUDIORUM

Bonatti E., Ligi M., Gasperini L., **Carrara G.**, and E. Vera, (1993) - Imaging Crustal Uplift, Emersion and Subsidence at the Vema Fracture Zone. EOS, Transactions, American Geophysical Union, vol 75, No. 32, 371-372.

Papers on national journals

Bortoluzzi G., Polonia A., Torelli L., Artoni A., Carlini M., Carone S., **Carrara G.**, Cuffaro M., Del Bianco F., D'Oriano F., Ferrante V., Gasperini L., Ivaldi R., Laterra A., Ligi M., Locritani M., Muccini F., Mussoni P., Priore F., Riminucci F., Romano S., Stanghellini G. (2016) - Styles and rates of deformation in the frontal accretionary wedge of the Calabrian Arc (Ionian Sea): controls exerted by the structure of the lower African plate, Italian Journal of Geosciences 10.3301/IJG.2016.11

Lobo, F. J., Durán, R., Roque, C., Ribó, M., **Carrara, G.**, Mendes, I., Ferrín, A., Fernández-Salas, L. M., García-Gil, S., Galparsoro, I., Rosa, F. and Bárcenas, P. (2015) - Shelves around the Iberian Peninsula (II): Evolutionary sedimentary patterns. Boletín Geológico y Minero, 126 (2-3): 377-408. ISSN: 0366-0176

Fernández-Salas, L. M., Durán, R., Mendes, I., Galparsoro, I., Lobo, F. J., Bárcenas, P., Rosa, F., Ribó, M., García-Gil, S., Ferrín, A., **Carrara, G.**, Roque, C. and Canals, M. (2015) - Shelves of the Iberian Peninsula and the Balearic Islands (I): Morphology and sediment types. Boletín Geológico y Minero, 126 (2-3): 327-376. ISSN: 0366-0176

Fernandes, J., Almeida, C., De Plaen, J., Condesso de Melo, M. T., Stigter, T., Leitão, F., Range, P., **Carrara, G.** (2015) - Descargas de água subterrânea na plataforma algarvia: o caso do Sistema Aquífero Albufeira-Ribeira de Quarteira - Submarine Groundwater Discharge on the Algarve Shelf: case study of Albufeira-Ribeira de Quarteira Aquifer System. Comunicações Geológicas (2015) 102, Especial I, 111-117. ISSN: 0873-948X; e-ISSN: 1647-581X

Sousa F.M., **G. Carrara**, J. Fernandes, D. Boutov, M. Loureiro, F. Leitão, P. Range e A. Machado, (2014): "Descargas de Águas Subterrâneas na região dos Olhos de Água - alguns resultados das campanhas CTD", p. 503-507 de "Proceedings da 8ª Assembleia Luso Espanhola de Geodesia e Geofísica", (eds. B. Caldeira, J. Barrenho, J.F. Borges, J. Pombinho, M.J. Costa, M.R. Duque, M. Bezzeghoud e R. Salgado), ISBN: 978-989-98836-0-4, 593 pp (em formato digital).

Carrara G., Ravaioli M, Bortoluzzi G., Stanghellini G. - (2007) La Banca Dati Crop. Rendiconti della Soc. Geologica Italiana, 4, Nuova Serie, 37-39.

Marani M.P., Gamberi F., Bortoluzzi G., **Carrara G.**, Ligi M., Penitenti D. (2004). Seafloor Morphology of the Tyrrhenian Sea. PLATE 1. In Memorie Descrittive della Carta Geologica d'Italia, Vol. LXIV.

Marani M.P., Gamberi F., Bortoluzzi G., **Carrara G.**, Ligi M., Penitenti D. (2004). Tyrrhenian Sea bathymetry. PLATE 2. In Memorie Descrittive della Carta Geologica d'Italia, Vol. LXIV.

Marani M.P., Gamberi F., Bortoluzzi G., **Carrara G.**, Ligi M., Penitenti D. (2004). Seafloor Bathymetry of the Ionian Sea. PLATE 3. In Memorie Descrittive della Carta Geologica d'Italia, Vol. LXIV.

Marani M., Gamberi F., Casoni L., **Carrara G.**, Landuzzi V., Musacchio M, Penitenti D., Rossi L., Trua T. (1999) - New rock and hydrothermal samples from the Southern Tyrrhenian sea: the MAR-98 research cruise. Giornale di Geologia, ser 3a, vol. 61, 3-24.

Carrara G., Bortoluzzi G., Zitellini N., Bonatti E., Brunelli D. et al., (1997) - The Bouvet triple junction region (south Atlantic): a report on two geological expeditions. Giornale di Geologia, vol 59/1-2, pp. 19-33.

G. Carrara CURRICULUM VITAE ET STUDIORUM

Gasperini L., Bonatti E., Brunelli D., **Carrara G.**, Cipriani A., Fabretti P., Gilod D., Ligi M., Peyve A., Skolotnev S., Susini S., Tartarotti P. And N. Turko. **(1997)** - New data on the geology of the Romanche F.Z., equatorial Atlantic: PRIMAR-96 cruise report. *Giornale di Geologia*, vol 59/1-2, pp. 3-18.

G. Carrara CURRICULUM VITAE ET STUDIORUM

TECHNICAL and CRUISE REPORTS and other publications

D. Hodell, H. Elderfield, M. Greaves, N. McCave, L. Skinner, A. Thomas, N. White, **G. Carrara** and the JC089 Scientific Party (**2014**) - Cruise Report JC089 RRS James Cook Southampton-Vigo-Vigo 25 July – 30 August, 2013 IODP Site Survey of the Shackleton Sites, SW Iberian Margin.

Gabriela **CARRARA**, Judite FERNANDES, Pedro TERRINHA, Helena AMARAL, João NOIVA, Cristina ROQUE, Henrique DUARTE, Augusto COSTA, Teresa CONDESSO DE MELO, Tibor STIGTER, Simona BRONZINI, Francisco LEITÃO, Pedro RANGE, David PILÓ, João ENCARNAÇÃO, Alexandra CHICHARO, Luis CHICHARO, Fátima SOUSA, José TEIXEIRA da SILVA, Ângela NASCIMENTO, Luís SEBASTIÃO, Luís PINHEIRO, Daniela GONÇALVES, Vitor MAGALHÃES, Leonardo AZEVED, Amélia DILL, José Paulo MONTEIRO (**2014**) - Freeze 2010 – 2013: Final Report.

<http://geoportallneg.pt/freeze/FCT-REPORT/Freezefinalreport.pdf>

G. Carrara, J. Fernandes, F. Sousa, D. Boutov, F. Leitão, T. Melo, P. Range (**2013**) - Freeze 2013 - Oceanographic Campaign Olhos de Água 9-10 April 2013, IPMA technical report DivGM/1/2013.

G. Carrara, J. Fernandes, F. Sousa, D. Boutov, F. Leitão, A. Machado, P. Range (**2012**) - Freeze 2012 - Oceanographic Campaign Olhos de Água 6 - 7 November 2012. IPMA technical report DivGM/2/2012.

Pedro Terrinha, **Gabriela Carrara**, João Noiva, Henrique Duarte, Pedro Brito, Luís Pinheiro, Keynesmenio Sousa, Tiago Ribeiro, Omar Bensalah, Cristina Roque, Vasco Valadares (**2011**) – TOPOMED-FREEZE geophysical cruise off Albufeira-Villamoura 04-15 April 2011. LNEG-FCT Technical Report.

Helen Glaves, Dick Shaap, **Gabriela Carrara** and the Geo-Seas consortium partner (**2011**) – Geo-Seas: a pan-European infrastructure for management of marine and ocean geological and geophysical data. EPOS newsletter, issue n. 4. <http://epos.bo.ingv.it/news/the-epos-newsletter:-issue-n.o-4-published.html>

Carrara G., J. Fernandes, P. Terrinha, H. Amaral, J. Noiva, H. Duarte, R. Borges, L. Pinheiro, L. Azevedo, D. Gonçalves, V.H. Magalhães, L. Sebastião (**2010**) -Freeze 2010 - geophysical cruise, Olhos d'Água 10 - 16 May 2010. LNEG-FCT Technical Report.

G. Carrara, D. M. Schaap, (**2010**) – GeoSeas EU Project: Deliverable 5.1 – User Manual and instructions for submitting CDI entries Geoseas: Pan-European infrastructure for management of marine and ocean geological and geophysical data. Grant Agreement Number: 238952 .

G. Carrara, D. M. Schaap, (**2010**) - GeoSeas EU Project: Deliverable 5.5 – User Manual and instructions for updating EDMO, CSR and EDMERP directories Geoseas: Pan-European infrastructure for management of marine and ocean geological and geophysical data. Grant Agreement Number: 238952 .

Carrara G., Matias L. & NEAREST Team, (**2008**) - NEAREST 2008 CRUISE PRELIMINARY REPORT R/V URANIA, 1st Aug 2008 - 4th Sept 2008, Technical Report ISMAR-CNR, (http://nearest.bo.ismar.cnr.it/documentation/REPORT_NEAREST_2008_completo.pdf).

A. Polonia, G. Bortoluzzi, L. Gasperini, M. Ligi, **G. Carrara** et al (**2008**) - RAPPORTO SULLE INDAGINI DI SISMICA A RIFLESSIONE, GRAVIMETRICHE, MAGNETOMETRICHE, MORFOBATIMETRICHE E CAMPIONAMENTO FONDO MARE NELL' ARCO CALABRO (MAR IONIO) CAMPAGNA CALAMARE08 N/O Urania Napoli 2008-04-15 Bari 2008-05-12.

G. Carrara CURRICULUM VITAE ET STUDIORUM

(http://ricerca.ismar.cnr.it/CRUISE_REPORTS/2008/URANIA_CALAMARE08_ITA_REP/CALAMARE08_ITA_REP.pdf).

L. Perini, **G. Carrara**, S. Lorito (2008) - Batimetrie e Modelli Digitali dei Fondali antistanti la Regione Emilia-Romagna. Relazione di attività SGSS. (http://www.regione.emilia-romagna.it/wcm/geologia/canali/cartografia/sito_cartografia/web_gis_costa/Batimetrie.pdf)

Zitellini N., **Carrara G.** & NEAREST Team, (2007) - NEAREST 2007 CRUISE PRELIMINARY REPORT R/V URANIA, 10th Aug 2007 - 10th Sept 2007, Technical Report ISMAR-CNR, (http://nearest.bo.ismar.cnr.it/documentation/REPORT_NEAREST_2007_completo.pdf).

Carrara G., (2005) – Modello digitale batimetrico della costa Emiliano-Romagnola da dati IIM 1953-54. Regione Emilia Romagna – Servizio Geologico, Sismico e dei Suoli.

Carrara G., (2005) – Modello digitale batimetrico della costa Emiliano-Romagnola riferito all'anno 2000. Regione Emilia Romagna – Servizio Geologico, Sismico e dei Suoli.

Carrara G., (2005) – Rapporto Banca Dati CROP N.7. ISMAR Bologna.

Carrara G., (2004) – Rapporto Banca Dati CROP N.6. ISMAR Bologna

Carrara G., (2003) – Rapporto Banca Dati CROP N.5. ISMAR Bologna

Carrara G., (2003) – Rapporto Banca Dati CROP N.4. ISMAR Bologna

Carrara G. e Bortoluzzi G., (2002) – Rapporto Banca Dati CROP N.3. ISMAR Bologna

Carrara G., (2002) – Rapporto Banca Dati CROP N.2. ISMAR Bologna

Carrara G., (2001) – Rapporto Banca Dati CROP N.1. ISMAR Bologna. Technical Report IGM-CNR N.88.

Bortoluzzi G., **Carrara G.**, Fabretti P., Gamberi F., Marani M., Penitenti D. et al. (IGM-CNR Team, IIM Team, MSU Team, GIN Team), (1999) - Swath Bathymetry and geophysical survey of the Tyrrhenian Sea. Report on bathymetric, magnetic and gravimetric investigations during cruises TIR96 and TIR99. Istituto per la Geologia Marina, Technical Report IGM-CNR N.52.

Ligi M., Bortoluzzi G., **Carrara G.**, Gamberi F., Marani M., Penitenti D. et al. (IGM-CNR Team, OXFORD Team, TOBI-SOC Team, PORTOUGUESE Team), (1999) - Tectonic pressure controls on the growth of giant volcanic ridges in the Azores region (Atlantic Ocean). Report on TOBI Side-Scan Sonar, swath Bathymetry, Sub-Bottom profiling, and magnetic investigation during cruise AZ99. Istituto per la Geologia Marina, Technical Report IGM-CNR N.53.

Bortoluzzi G., Brunelli D., **Carrara G.**, Cipriani A., Fabretti P., Penitenti D. et al., (1996) - Cruise Report BTJ-96. Bouvet Triple Junction. PNRA - Rapporto Campagna Antartica. Estate Australe 1995-1996, XI Spedizione. ANT 96/07.

Oral communications and posters abstracts (last five years)

C. Roque, P. Madureira, F.J. Hernández-Molina, A. Santos de Campos, R. Quartau, **G. Carrara**, F. Brandão, J.T. Vázquez, L. Somoza. (2015) Acoustic evidences of along-slope processes associated with mass movement deposits on the Madeira Island lower slope (Eastern Central Atlantic) Evidencias acústicas de procesos paralelos al talud asociados con depósitos de

G. Carrara CURRICULUM VITAE ET STUDIORUM

movimiento en masa en el talud inferior de la Isla de Madeira (Atlántico Central Oriental) 8º Simpósio sobre a Margem Ibérica Atlântica – MIA15,

P. Terrinha, J. Noiva, **G. Carrara**, J. Fernandes, C. Roque, L. Pinheiro (2014) - Neogene and Quaternary seismostratigraphy and tectonics offshore Albufeira and Quarteira: implications on the paleogeography and submarine freshwater discharges. IX Congresso Nacional de Geologia – 2º Congresso de Geologia dos Países de Língua Portuguesa, Universidade do Porto, Port.o

Gabriela **CARRARA**, Judite FERNANDES, Pedro TERRINHA, Helena AMARAL, João NOIVA, Cristina ROQUE, Henrique DUARTE, Augusto COSTA, Teresa CONDESSO DE MELO, Tibor STIGTER, Simona BRONZINI, Francisco LEITÃO, Pedro RANGE, David PILÓ, João ENCARNAÇÃO, Alexandra CHICHARO, Luis CHICHARO, Fátima SOUSA, José TEIXEIRA da SILVA, Ângela NASCIMENTO, Luís SEBASTIÃO, Luís PINHEIRO, Daniela GONÇALVES, Vítor MAGALHÃES, Leonardo AZEVEDO, Amélia DILL, José Paulo MONTEIRO – (2012) INVESTIGAÇÃO DAS DESCARGAS DE ÁGUAS SUBTERRÂNEAS EM MEIO MARINHO: Uma abordagem multidisciplinar . 7º Simpósio sobre a Margem Ibérica Atlântica – MIA12 , Lisboa.

Nascimento A., F. Sousa, **G. Carrara**, J. Fernandes & J. da Silva (2012) - Utilização de imagens de satélite na localização das descargas de águas subterrâneas - Projecto FREEZE. Encontro de Oceanografia Física, Praia de Quaios, Portugal.

Gabriela Carrara, Judite Fernandes, Pedro Terrinha, Helena Amaral, João Noiva, Henrique Duarte, Augusto Costa, Teresa Condeso de Melo, Tibor Stigter, Simona Bronzini, Francisco Leitão, Pedro Range, David Piló, João Encarnação, Alexandra Chicharo, Luis Chicharo, Fátima Sousa, Ângela Nascimento, Luís Sebastião, Luís Pinheiro, Daniela Gonçalves, Vítor Magalhães, Leonardo Azevedo, Amélia Dill, José Paulo Monteiro (2012) - INVESTIGAÇÃO DAS DESCARGAS DE ÁGUAS SUBTERRÂNEAS EM MEIO MARINHO: Uma abordagem multidisciplinar (Projecto FREEZE). Proceedings do 11º Congresso da Água: valorizar a água num contexto de incerteza. APRH, Porto, 6 a 8 de Fevereiro de 2012, 366-368p

Vera Van Lancker, **Gabriela Carrara**, Sigrid Elvenes, Sytze van Heteren, Sven Kupschus, Aave Lepland, Jorgen O’Leth, Claire Mason, Xavier Monteys, Eric Moussat, Thierry Schmitt, Odd H. Selboskar, Isabelle Thinon, Terje Thorsnes and Koen Verbruggen. (2011) -Standardisation and Harmonisation in Seabed Habitat Mapping: How can a geological data infrastructure project contribute?. GeoHab 2011 Conference, Helsinki, Finland.

Carrara G., Patinha P., Noiva J. (2010) - Geo-Seas: a Pan-European infrastructure for retrieving marine geological and geophysical data-e-terra <http://e-terra.geopor.pt>, Vol:15-nº 11, 2010 VIII Congresso Nacional de Geologia 2010. Braga, 9-16 Julho.

Batista, L., Terrinha, P., Lourenço, N., Roque, C., Matias, L., **Carrara, G.** (2010) – A tectónica na fronteira de placas Núbia-Eurasia na região dos Montes Submarinos Hirondele e Josephine; Ligação da falha da Gloria com falhas SWIM e-terra <http://e-terra.geopor.pt>, Vol: 11-nº 5, 2010 VIII Congresso Nacional de Geologia 2010.

Branco, A., Roque, C., **Carrara, G.**, Duarte, H., Lourenço, N., Abreu, M.P., Terrinha, P. (2010) – Deformação sin – e pós-rifting oceânico nos sedimentos Cretácico-Plistocénicos da planície Abissal da Madeira. . e-terra <http://e-terra.geopor.pt> Vol: 12-nº 7 2010 VIII Congresso Nacional de Geologia. Braga, 9-16 Julho.

P. Terrinha, L. Matias , S. Silva, L. Batista, N. Lourenço , **G. Carrara**, T.Cunha, J. Duarte, F Rosas , V. Valadares, E. Gràcia , N. Zitellini (2010) - Active Faults between the Gibraltar Straits and the Tore-Madeira Rise. , First Iberian Workshop for Project SHARE (January 14th-16th, 2010)

M.G.Vendrell, C.R. Ranero, **G. Carrara** and N. Zitellini - Crustal and tectonic structure of the

G. Carrara CURRICULUM VITAE ET STUDIORUM

southern Tyrrhenian Basin. Geophysical Research Abstracts, Vol. 11, EGU2009-10989, **2009**
EGU General Assembly 2009.

F. Chierici, N. Zitellini, P. Favali, L. Beranzoli, L. Pignagnoli, D. Embriaco, **G. Carrara**, G. Marinaro, N. Lo Bue, S. Monna, F. Gasparoni, F. Furlan, F. Bruni - Tsunami Warning prototype in the frame of the EC NEAREST project. Rendiconti online Soc. Geol. It., Vol. 2 (**2008**), 1-3.