

**Annual General
Shareholders' Meeting**

April 15th, 2009

**PROPOSAL OF POINT 5 OF THE AGENDA
Election of the members of the corporate bodies for the three year period
2009-2011**

Considering that the corporate bodies mandate ended on December, 31st, 2008, the subscribers, as EDP – Energias de Portugal, S.A. shareholders' present the following proposal for the three year period 2009-2011:

1. Board of the General Meeting

- Rui Eduardo Ferreira Rodrigues Pena, Chairman
- António Bernardo de Menezes e Lorena de Sêves, Vice-Chairman

2. Remuneration Committee

- José Manuel Archer Galvão Teles, President
- Parpública – Participações Públicas (SGPS), S.A.
- Carlos Alberto Veiga Anjos

3. General and Supervisory Board (GSB)

- António de Almeida, President
- Alberto João Coraceiro de Castro, Vice-President
- António Sarmento Gomes Mota
- Cajastur Inversiones, S.A.
Carlos Jorge Ramalho dos Santos Ferreira
- Diogo Campos Barradas de Lacerda Machado
- Eduardo de Almeida Catroga
- Fernando Manuel Barbosa Faria de Oliveira
- José Maria Espírito Santo Silva Ricciardi
- José Manuel dos Santos Fernandes
- Khalifa Abdulla Khamis Al Romaiithi
- Manuel Fernando de Macedo Alves Monteiro

- Ricardo José Minotti da Cruz Filipe
- Rui Eduardo Ferreira Rodrigues Pena (Chairman of the General Meeting)
- Société Nationale pour la Recherche, la Production, le Transport, la Transformation et la Commercialisation des Hydrocarbures (Sonatrach)
- Vasco Maria Guimarães José de Mello
- Vítor Fernando da Conceição Gonçalves

4. Executive Board of Directors (EBD)

- António Luís Guerra Nunes Mexia, President
- Ana Maria Machado Fernandes
- António Fernando Melo Martins da Costa
- António Manuel Barreto Pita de Abreu
- João Manuel Manso Neto
- Jorge Manuel Pragana da Cruz Morais
- Nuno Maria Pestana de Almeida Alves

5. Environment and Sustainability Board

- João Martins Ferreira do Amaral, Chairman
- Miguel Pedro Brito St. Aubyn;
- Maria Madalena Monteiro Garcia Presumido
- Maria da Graça Madeira Martinho
- José de Sousa Cunhal Sendim

Lisbon, March 26th, 2009

The Shareholders

Parpública – Participações Públicas, SGPS, S.A.

Caixa Geral de Depósitos, S.A.

Caja de Ahorros de Asturias

José de Mello, SGPS, S.A.

Banco Comercial Português, S. A.

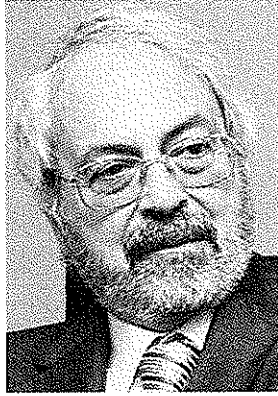
Banco Espírito Santo, S.A.

**Société Nationale pour la Recherche, la Production, le Transport, la Transformation et
la Commercialisation des Hydrocarbures (Sonatrach)
International Petroleum Investment Company (IPIC)**

CURRICULA

**Board of the Shareholders' General
Meeting**

Rui Pena



Personal data:

Born in Moreiras Grandes, in 1939.

Areas of practice

Has been working mainly in administrative law with an emphasis on public procurement, real estate and environment.

Languages

Portuguese, English, French and Spanish.

Education & Training

1962 - 1963

University of Lisbon, Law School, Post-Graduate Degree in Political and Economic Sciences.

1957 - 1962

University of Lisbon, Law School, Law Degree.

Professional experience

2002

Founding partner of Rui Pena, Arnaut & Associados - Law Firm.

1987

Founding partner of Pena, Machete & Associados - Law Firm.

1964 - 1975

Legal Counsel at a firm of the Sacor Group (Portuguese State Oil Group).

Other activities

2001 - 2002

Portuguese Minister for National Defence.

1987

Lecturer of Administrative Law I and Administrative Law II, Autonomia University of Lisbon.

1986

Elected as member of the Lisbon Municipal Board.

1985

Appointed by the Portuguese Government for the Board of Referees and Mediators of the ICSID (International Centre for Settlement of Investment Disputes).

1980 - 1982

President of the Portuguese Group at the Interparliamentary Union.

1978 - 1981

Lecturer of Administrative Law, Livre University of Lisbon.

1978 - 1980

Assistant Professor in Administrative Law, University of Lisbon, Law School.

1978

Portuguese Minister for the Reform of the Administration.

1977 - 1978

Assistant Professor in Civil Law, University of Lisbon, Law School.

1976 - 1983

Member of the Portuguese Parliament - Whip for the CDS MP Group.

1973 - 2005

Appointed as non-executive Director of several industrial and Business Corporations.

1962 - 1963

Lecturer of History of Political Ideas, Languages and Administration Institute of Lisbon.

Associations & Publications

2006

President of the Law Firm's Institute of the Portuguese Bar Association.

1987 - 1989

Member of the General Council of the Portuguese Bar Association.

1964

Member of the Portuguese Bar Association.

Curriculum Vitae
(Summary)

1 . Personal data

Name: António Bernardo de Meneses e Lorena de Sèves
Date of birth: 11-03-1966
Address: Rua Nova do Almada, 95 – 4º C 1200 –288 Lisbon
Portugal
Email: als.lca.adv@netcabo.pt
Citizenship: Portugal

2. Academic Curriculum

Graduation Honors Degree in Law, Universidade Católica Portuguesa (1988)

LLM Master in Public Law, at Universidade de Coimbra Law School;
subject of thesis «*Um “condomínio” aberto? A protecção jurídica pública
de terceiros nos loteamentos urbanos*» (Urban Land Use and Planning
Law).

Lecturer at:

Universidade Autónoma de Lisboa Assistant Professor of Law School, lecturing from 1989 to 2002:
Political Science and Constitutional Law (1993 – 1998),
Administrative Law (1994 -1999)
Economic Law (1989- 1998).

□ **Presentations at Conferences**

- “O Direito do Urbanismo” – conference held in Tribunal de Contas, May 2004.
- “Portuguese Public Administration and the Euro”, conference held in July 1998, in Lisbon;
- “Public Procurement in the Civil Service”, June 1998 in Braga, Universidade do Minho, “Permanent Seminar on Constitutional and Administrative Law”;

- “The New Regime on Municipal Licensing of Public Works – Decreto-Lei 250/94 of 15 October”, a seminar held in February 1995 in Porto, *Instituto de Gestão da Administração Pública*.

Work and Articles Published

- Um “condomínio” aberto? A protecção jurídica pública de terceiros nos loteamentos urbanos (*coming soon*)
- Contratação de bens e serviços. Guia de Aplicação do Decreto-Lei n.º 197/98, de 8 de Junho, DGDR, Lisboa, 2003
- A organização do governo (legislação), Editorial Âncora, Lisboa 2002 – together with João Caupers.
- Contencioso da Função Pública (concursos), in *Seminário Permanente de Direito Constitucional e de Direito Administrativo*, Braga, 1999,
- “A invenção de um território europeu? Contributo para o estudo das possibilidades de uma política europeia de ordenamento do território”, in *Revista Jurídica do Urbanismo e do Ambiente*, 1998, n.º 10.
- “A protecção jurídico-política dos terceiros nos loteamentos urbanos e obras de urbanização”, in *RevCedoma – Revista do Centro de Estudos de Ordenamento Urbanismo e Ambiente, Faculdade de Direito de Coimbra*, 1998, n.º 2.
- “O concurso de provimento na função pública: entre a organização e a alteridade”, in *Cadernos de Justiça Administrativa*, n.º 3 (1997).
- “Organização Administrativa e Ambiente”, together with José Tavares, nr. 1 da *Revista Jurídica do Urbanismo e do Ambiente*, 1994.
- “O novo Regime do Licenciamento Municipal de Obras Particulares – Decreto-Lei n.º 250/94, de 15 de Outubro”, Instituto de Gestão da Administração Pública.

3. Professional experience

since 1991	Lawyer, member of the Portuguese Bar Association. Main practice areas: Urbanism, Public Law, Environmental Law.
Since 1994	Director and Co-funder of <i>Revista Jurídica do Urbanismo e do Ambiente</i> (Scientific publication for Urbanism and Environment)
1997 – 1999	Advisor to the Minister of Finance (Professor Sousa Franco).
1998-1999	Member of the Committee for the Revision of the Law on Public Procurement.
1998	Member of the Committee for the Reorganisation of Tax Administration (Ministry of Finance);
1997 – 1999	Co-ordinator of the Administrative Modernisation Nucleus of the Ministry of Finance;
1993-1995	PA to the Secretary of State for Local Administration and Land Use Planning;
1991- 1995	Member of the Board of Directors (Executive Secretary) of the Law Department of the Universidade Autónoma de Lisboa.
2000-2001	Prime Minister's Advisor
2001-2002	Advisor of the Secretary of State for Treasury and Finance
2001	President of the Committee to review the <i>concession agreement</i> of public telecommunication service between the Portuguese State and Portugal Telecom;
2000-2001	Co-author of the Report of Ministers Cabinet on Administration's <i>e-procurement</i> for goods and services, published in Diário da República, 03.02.2001;
2001	Advisor of the Government of the Special Administrative Region of Macao (People's Republic of China) for public concession for gambling and revision of respective legislation.

1999-...	President of Conselho Fiscal da Fundação do Desporto;
1998-1999	Member of the Committee to Revise the laws of Public Procurement;
1997/1999	Technical advisor of the Ministry of Finance, notably regarding the Reform of the Taxation Administration, the analysis of the Tribunal de Contas' standpoint on Conta Geral do Estado.
1996-1997	Legal Advisor of Inspeção-Geral da Administração do Território (State authority to supervise local government)
1991 - 1995	Secretary of the Law Department at Universidade Autónoma de Lisboa.

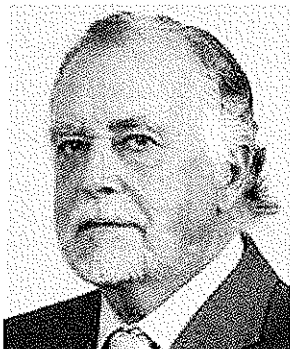
4. Member of the following organisations

Ad Urbem – Associação para o Desenvolvimento do Direito do Urbanismo e da Construção

APDC – Associação Portuguesa de Direito Constitucional

CURRICULA

Remuneration Committee



José Manuel Galvão Teles

Rua Castilho, 165 – 1070-050 Lisboa – Portugal

Tel.: +351 21 381 74 29

Fax: +351 21 382 66 28

Practice Areas

Corporate law, general civil law,
arbitration and litigation.

Professional Experience

José Manuel Galvão Teles has practised law since 1961 (except during 75/76 when he served as the Portuguese Ambassador to the United Nations). He now handles Special Cases within the Litigation Department.

Mr. Galvão Teles is widely experienced in M&A and as consultant to some of the most important national and foreign companies established or operating in Portugal, he is President of the General Meeting of Shareholders of the largest companies with head offices in Portugal (banking, electricity, distribution, etc.). Throughout his career as an attorney, he has provided legal advice on some of the largest civil cases brought to trial in the Portuguese Courts. He was also successful as defence counsel, representing clients on some of the most important and notable criminal cases.

Education

Law Degree from the University
of Lisbon Law School.

José Manuel Galvão Teles was a Member of the Portuguese Council of State and has been the Delegation Head of important political and economic-financial missions (addressing impacts on Angola resulting from the nationalizations of the Portuguese Banks; litigation with Frelimo during the decolonisation of Mozambique, particularly related to Banco Nacional Ultramarino, etc.). He is Chairman of the Board of Directors of the Association for the Progress of Law and a Consultant to several socio-cultural associations and foundations.

During the 70's and 80's he was a member of the Presidency of the International Court for judging Apartheid Crimes and between 1976 and 1982 he was President of the Portugal-Spain Friendship Association.

Languages

Portuguese, French,
Spanish and English.

Memberships

Portuguese Bar Association (member since 1963), International Bar Association.

Publications

Author of several articles published in specialised reviews.

Carlos Alberto Veiga Anjos

Born in 1942

Academic Qualifications

He received a Finance Degree from Instituto Superior de Ciências Económicas e Financeiras, in Lisbon.

Current Professional Activities

Member of the General and Supervisory Board of TAP – Transportes Aéreos Portugueses, SGPS, S.A.

Chairman of the Audit Board and Non-Executive Director of EMPORDEF – Empresa Portuguesa de Defesa, (SGPS), S.A.

Past Professional Activities

Chairman of the Board of Directors of Hidroelétrica de Cahora Bassa, S.A. from May 1999 to August 2003.

Chairman of the Board of Directors of Siderurgia Nacional, SGPS and other group companies from 1994 to 1999, including during the privatization of the companies; in such capacity, Portuguese representative at the Consultative Committee of CECA – Comunidade Europeia do Carvão e do Aço and of IISI – International Iron and Steel Institute.

Executive Director of SOPONATA - Sociedade Portuguesa de Navios Tanques, S.A. and Director of CIVE - Companhia Industrial de Vidros de Embalagem, S.A. in 1992 and 1993, as a representative of IPE, resulting in the privatization of such companies.

Executive Director of Companhia de Celulose do Caima, S.A. from 1988 to 1991. During the same period, Chairman of ACEL - Associação Portuguesa dos Produtores de Celulose and Portuguese representative in the Board of CEPI - Confederation of European Paper Industry.

From 1985 to 1988, he was Director of EDM - Empresa de Desenvolvimento Mineiro, S.A., strongly involved in the incorporation process of SOMINCOR.

From 1977 to 1985, he was Director of Ferrominas, E.P.

He was Director, Financial Officer and Head of Department of Lusalite – Sociedade Produtora de Fibrocimento, S.A. from 1968 to 1977. During this period, he carried out a mandatory Military Service Commission in Mozambique, with the rank of Captain.

CURRICULA

General and Supervisory Board

António de Almeida

72 years old. In 1961, he received a degree in Economics from the Faculty of Economics at Universidade do Porto. In Mozambique, he was the Supervisor of Planning Services for Mozambique (1963-1965); Financial Director and Secretary General of Maragra – Marracuene Agrícola Açucareira (1966-1971) and the Director and Vice-Chairman of the Instituto de Crédito de Moçambique from 1971 to 1974. In Portugal, he was the Governor and President of Banco de Angola (1974-1978); Secretary of State of the Treasury (1978-1980 and 1983-1985); Chairman of the União de Bancos Portugueses until 1991; consultant to Banco de Portugal until 1992; consultant to Associação Industrial Portuense from 1991 to 1996; Chairman of the EDP Board of Directors (1996-1998); Director of the European Bank for Reconstruction and Development (1998-2004); Chairman of the EDP Audit Committee (2003-2004) and Chairman of OMIP (2004-2006).

Chairman of EDP General and Supervisory Board since 30th June 2006.

Alberto João Coraceiro de Castro

56 years old. He received a degree in Economics from the Porto Faculty of Economics and a doctorate in Economics from the University of South Carolina. His areas of expertise include industrial economics, business economics and strategy, labour economics and internationalisation. He has published numerous academic and promotional texts. He lectures at Universidade Católica Portuguesa, where he is head of the Economics and Management Faculty. He is also a General Board member of Associação Empresarial de Portugal and a board member of Associação Comercial do Porto, Vice-Chairman of the Board of Directors of Associação para o Museu dos Transportes e Comunicações (Transport and Communication Museum Association) and a member of the Advisory Board of Plano Tecnológico. He serves as Chairman of the Supervisory Boards of Mota-Engil and Unicer and is a consultant to the Portuguese Footwear Industrialists Association (APICCAPS).

Vice-Chairman of EDP General and Supervisory Board since 30th June 2006.

António Sarmento Gomes Mota

51 years old. Degree in Company Organization and Management, ISCTE, with a final mark of 17 (1981). MBA, Faculty of Economics of Universidade Nova de Lisboa, with a final mark of 17 (1984). Master in Management, with the paper Saneamento e Viabilização de Empresas, with a mention of "Very Good" (1988). Management Doctorate at ISCTE, with a mention of "Very Good with honor and distinction" for the thesis A Utilização de Produtos Derivados e a Cobertura dos Riscos Financeiros nas Empresas Não Financeiras em Portugal: Uma Análise Empresarial Integrada (2000). Habilitation in Finance, ISCTE, having presented the lesson Derivados e Gestão de Riscos em Empresas não Financeiras (2003).

Professor at ISCTE Business School (since 2005). Head of ISCTE Business School (since 2003). Head of INDEG/ISCTE (since 2005). Chairman of the General Board of the Fundo de Contragarantia Mútua (since 1999). Member of the EU Presidency Steering Committee in the EFMD – European Foundation for Management Development (since 2006). Member of the Network Academic Board of EABIS – European Association of Business and Society (since 2008).

Head of the Finance and Accountancy Department of ISCTE Business School (2001/03). Chairman of the Board of CEMAF – Centro de Investigação de Mercados e Activos Financeiros do ISCTE (1995/2003). He created and directed several masters and post-graduation courses, including a masters in finance, an EMBA, market and financial assets, corporate finance and company management post-graduations, among other courses. Throughout his teaching activity, he has read such subjects as corporate finance, risk management, financial derivatives, company strategy, financial innovation and corporate governance, in the masters and post-graduation programs for executives of ISCTE Business School.

Technician in the Financial Department of HCB - Hidroelétrica de Cabora Bassa, SA, in the planning and financial control area (1980/81). Consultant (1981), Senior (1982) e Manager (1983/84) at the Consultancy Department of

BDO. General Director of Editorial Enciclopédia (1984/88). Responsible for the coordination of the in corporate finance training area at COPRAI/AIP (1986/1988). Officer of Banco Pinto e Sotto Mayor, responsible for the Company and Investment Analysis Department (1988/89) and for the Large and Institutional Department Businesses (1989/90). Chairman of the Board of Directors of SIEMCA – Sociedade Mediadora de Capitais (1990/97). Consultant of PME Investimentos, having been appointed, in such capacity, as non-executive director of several subsidiaries (1998/01). Member of the Investment Committee of FINPRO – SGPS (2002/2005). He has carried out and coordinated a significant consultancy activity for companies, financial institutions and other entities, such as a study on the economic impact of Lockheed Air Martin investment projects - creation of the Europe Training Pilot Center in Beja and implementation of a production unit of Cirrus Airplanes, the auditing of asset management of Futuro – Soc. Gestora Fundo de Pensões, the evaluation study of an automobile sector company group for Auto – Suecoand and an expert report on exchange derivatives for Samsung International.

Author of several books such as “Company Finance” (Bookeconomics, 3 editions), “Securities Market” (Texto Editora, 9 editions), “Finance Cases” (Reis dos Livros, 3 editions). Co-founder and first director of the “Management Revue” (currently “Portuguese and Brazilian Management Revue”, published by INDEG and Fundação Getúlio Vargas). Author of a large number of academic articles published in national and international scientific revues and of opinion articles published in both the general and specialized printed press.

Carlos Jorge Ramalho dos Santos Ferreira

59 years old. He received his degree in Law in 1971 from the Faculty of Law of Universidade Clássica de Lisboa. He was a member of the Tax Reform Commission (1984-1988), a member of the Portuguese Parliament, Vice-Chairman of the Parliamentary Commission for Health and Social Security (1976), a voting member of the Management Board of ANA (1977-1987), Chairman of the Board of Fundição de Oeiras (1987-1989) and Chairman of the Companhia do Aeroporto de Macau (1989-1991). He was a director of the Champalimaud Group (1992-1999) and was Chairman of the Board of Mundial Confiança and of the General Meeting of Banco Pinto & Sotto Mayor. Between 1999 and 2003 as part of the BCP Group, he served as Director of Servibanca, Vice-Chairman and a voting member of the Board of Directors of Seguros e Pensões Gere. He also acted as Director and Chairman of the Board of Directors of Império Bonança, the insurance companies Ocidental and Ocidental Vida, Seguro Directo, Império Comércio e Indústria (ICI), Companhia Portuguesa de Seguros de Saúde, Autogere and Corretoresgest, and he was Director of Eureka B.V. He was also Vice-Chairman of Estoril Sol and Finansol, Non-Executive Chairman of Willis Portugal-Corretores de Seguros (2003-2005) and Director of Seng Heng Bank. From 2005 until December 2007 he was Chairman of the Board of Caixa Geral de Depósitos. He is currently Chairman of the Board of Banco Comercial Português.

Member of EDP General and Supervisory Board since 10th April 2008.

Diogo Campos Barrada de Lacerda Machado

47 years old. He holds a degree in Law. Management trainee at FIMA-LEVER-IGLO (1986) and was a legal consultant for the Tourism Fund and the Academic Association of the Universidade de Lisboa Faculty of Law (1986-1988). He was also an advisor to the Government of Macau's Deputy Secretary for Administration and Justice (1988-1990), a senior legal consultant of the Tourism Fund (1990-1992) and Director of Interfina and several of its shareholding companies (1992-1995). From 1995 to 1999 he was a lawyer and partner of the law firm Sampaio Caramelo, Fonseca Santos & Lacerda Machado and a member of the Superior Judicial Council from 1997 to 1999. He served as Legal Director for the Parque Expo'98 Group and as Director of Associated Companies (1999), Secretary of State for Justice of the Portuguese government (1999-2002) and lawyer for the firm J.A. Pinto Ribeiro and Associados (2002-2004). Lawyer working off-counsel with the Barrocas, Sarmento e Neves law firm. He was a Board Member of VEM - Varig, Engenharia e Manutenção (Brazil), between 2006 and 2007. He is a Board Member of BAO – Banco da África Ocidental (Guinea-Bissau) and Moza Banco (Mozambique). Is a member of the Committee for Access to Government Documents (CADA).

Member of EDP General and Supervisory Board since 30th June 2006.

Eduardo de Almeida Catroga

66 years old. He received a degree in Finance from ISEG (Universidade Técnica de Lisboa) and a post-graduate degree from Harvard Business School. He served as Minister of Finance for the Portuguese government from 1994 to 1995. He is a guest lecturer in Business Strategy for the MBA programme. His career has essentially centred on corporate management and administration, specifically in CUF and in SAPEC. He was Consultant to the Ministry of Finance (1967), Financial Director and Planning and Control Director of CUF (1974) and Board Member of CUF (1974-75), Member of CUF's Administrative Board (1975-77) and Vice Chairman of Quimigal (1978-1980). He was CEO of the SAPEC Group (1981-1993), Board Member of Cel-Cat (1982-93), of BP Portuguesa (1983-1988), of Finantia – Sociedade de Investimentos (1989-1993) and Chairman of the Portuguese Association of Chemical Products Companies between 1982 and 1988. Currently he is Chairman of the Board of Directors of the SAPEC Group, Director of Nutrinveste, Director of Banco Finantia and a member of the Securities' Market National Body.

Member of EDP General and Supervisory Board since 30th June 2006.

Fernando Manuel Barbosa Faria de Oliveira

67 years old. He has a degree in Mechanical Engineering from IST. He was Secretary of State for Foreign Trade (1980-1983), Assistant Secretary of State to the Deputy Prime Minister (1995), Secretary of State for Finance and the Treasury (1988-1989), Assistant Secretary of State for Finance (1989-1990), Minister for Trade and Tourism (1990-1995) and Member of Parliament for Faro (1991) and Lisbon (1995). He was a Member of the Board of Directors of Siderurgia Nacional (1980-1983), non-executive Member of the Board of Directors of EGF - Empresa Geral de Fomento (1988), of CELBI - Celulose da Beira Industrial (1987-1988), of ICEP (Portuguese Institute for Foreign Trade) (1986-1988) and a Director of BFE - Banco de Fomento Exterior (1990), Member of the Advisory Board of the National Administration Institute and of APAD - Portuguese Development Support Agency (2000-2002), Member of the Executive Board of UCCLA (Luso-Afro-America-Asian Union of Capital Cities) (2000-2002), Vice Chairman of the Board of Directors of IPE - Investimentos e Participações Empresariais, SA (1983-1990) and Director (1990-2002), Chairman of the Advisory Board of ELO - the Portuguese Association for Economic Development and Cooperation (2001-2005), Member of the Board of Directors of Carlton Life, SGPS, SA and of HPP - Hospitais Privados de Portugal, SGPS, SA (2003-2005), non-executive Director of TAP (1998-2006) and Chairman of the Executive Board of Banco Caixa Geral, Spain (2005-2007). He is currently Chairman of the Board of Directors of the Caixa Geral de Depósitos.

Member of EDP General and Supervisory Board since 10th April 2008.

José Maria Espírito Santo Silva Ricciardi

54 years old. He received his degree in Applied Economic Sciences from the Administration and Management Institute of the Faculty of Economic, Political and Social Sciences of Université Catholique de Louvain (Belgium). He served as Financial Controller at the European headquarters of the Espírito Santo Group (GES) from 1981 to 1983, assisting the group's General Financial Controller on an international level. He was an Assistant Director of the Banco Espírito Santo Internacional Ltd. from June 1983 and in 1987 he was appointed Director of Merchant Banking at Banco Internacional de Crédito (BIC). In 1990, he worked at BIC, as Deputy Director-General of the Corporate General Directorate and Director of the Capital Markets Directorate. He was appointed Director of Espírito Santo Sociedade de Investimentos in 1992 and Vice-Chairman of the Board of Directors of Banco Espírito Santo de Investimento in 1995. Since 1999 he has served as Director of the Executive Board of Banco Espírito Santo and Chairman of the Executive Board of Banco Espírito Santo de Investimento.

Member of EDP General and Supervisory Board since 30th June 2006.

José Manuel dos Santos Fernandes

51 years old. Specialized Smith Industrial course - Industrial and Commercial School of Matosinhos. Industrial Designer Course - Infante D. Henrique School. Undergraduate in Electro-mechanical Engineering - Industrial Institute of Porto. Graduate in Mechanical Engineering - Faculty of Engineering of Universidade do Porto (FEUP).

Automation course, specialization in CN and CNC Machines and Tools by Cincinnati. Numerical Control Resources and Options Management course by ADEPA, France. Commercial/Financial/Production/Information Management course by CIFAG/IAPMEI. Financial Management course by IAPMEI. Company Management and Administration course by CIFAG/IAPMEI.

CERLEI - Head of Production. METALÚRGICA COSTA NERY, S.A. - Responsible for the Sheet Metal Mechanical Division 1972-1974. METALÚRGICA COSTA NERY, S.A. - Director 1974 -1975. MIDA - General Supervisor 1974-1990. FREZITE, S.A. - Founding partner - Chairman of the Board of Directors (present day). AFICOR - Founding partner - Managing partner (present day). FREZITE SPAIN - Director (present day). FREZITE BRAZIL - Founding partner -Director (present day). FREZITE UK- Director (present day). FREZIGEST, SGPS, S.A. - Chairman of the Board of Directors (present day).

UNIMAP - Union of the Portuguese Wood Working Machines Industrials (Director 1976/1980; Chairman of the Board of Directors 1980/1986; Chairman of the Supervisory Board 1990/1991; Honorary Member). AIP - Industrial Association of Porto (Vice-Chairman 1984-1998). AEP - Portuguese Business Association (Member of the General Board - 1999-2005; Vice-Chairman of the General Board - 2005-2008). CIP - Portuguese Industry Confederation (Member of the Board of Directors - 1998-2001; Vice-Chairman of the Board of Directors - 2001-2004; Chairman of the General Meeting - present day). EXPONOR (Member of the Board of Directors 1987/1990). CNQ - National Board for Quality (Member as a representative of AIP - 1980-1992). Member as a representative of AIP (Science Board - 1986-1990). Representative of Portugal 1998 (CEO). Portugal/Brazil

Friendship and Cooperation Association (Member of the Board of Directors). AIMMAP - Portuguese Metallurgic, Sheet Metal Mechanic and similar Industrials Association (Chairman of the Board of Directors – 1998/2004). National Board for the Environment and Sustainable Development (Member of the Board – since 2000).

Member of the Government appointed Mission that visited Greece for the study of the Greek's EU joining process. Government appointed head of the Mission to China in the ambit of the negotiations concerning the territory of Macau. Head of the AIP Mission to Angola 1992. Head of the AIP Mission to Brazil, Santa Catarina, 1997. Head of two AIP Missions to Brazil, Paraná, 1998. International representation of the Portuguese Wood Working Machines Industrials in several countries. Conferences on Industrial Productivity and Organization of the wood transforming sector. Conferences on New Technologies in the Cutting of Wood and related materials in Portugal and abroad.

Publication of several articles in specialized revues on Productivity, Quality, Culture, New technologies in material cutting.

He was an electoral spokesman for the Portuguese Republic President Jorge Sampaio for the counties of Santo Tirso (first mandate) and Trofa (second mandate).

Khalifa Abdulla Khamis Al Romaithi

30 years old. He graduated in Corporate Administration from the University of Portland in 2002. He was an Assistant Manager of IPIC - International Petroleum Investment Company between 2004 and 2007. He is a Member of the Council of HDO Standing Committee & HDO since 2005, a Director of Cosmo Oil - CSR Promotion Committee, since 2007, and was a Member of the Board of Directors of the Oman Polypropylene Company (OPP) between 2006 and 2007 and representative of IPIC in Borealis between 2005 and 2007. Since 2007, he has been responsible for the Investment Management Division.

Member of EDP General and Supervisory Board since 10th April 2008.

Manuel Fernando de Macedo Alves Monteiro

51 years old. He has a degree in Law and is Director of the companies CIN, Novabase, Douro Azul and AICEP (Agency for Portuguese Investment and Foreign Trade). He is a member of the Advisory Boards of the Faculties of Economics at Porto and of Economics and Management at the Universidade Católica - Porto and of Porto Vivo, Sociedade de Reabilitação Urbana - Porto, SA. He is a member of the Coordinating Board of SEDES and Chairman of the Salaries Committees for Douro Azul, SGPS, SA and Sardinha & Leite, SGPS, SA. He was a non-executive board member of Jerónimo Martins, SGPS, SA served as Chairman of Euronext Lisbon and was a member of the Board of Directors of the Paris, Brussels and Amsterdam stock exchanges and Euronext NV. He was also Chairman of the Porto Stock Exchange and CEO of the Lisbon and Porto Stock Exchanges and Interbolsa. He was Director of the Portuguese Corporate Governance Institute, Chairman of the Portuguese Association of Financial Analysts, a voting member of the CMVM Advisory Board and Chairman of Casa da Música/Porto 2001, S.A. He has also held posts in executive bodies of international organisations linked to the capital market: Executive Board of the Ibero-American Stock Exchange Federation (FIABV); the European Committee of Futures and Options Exchanges (ECOFEX), the International Finance and Commodities Institute (IFCI) and the European Capital Markets Institute, (ECMI). He was awarded the Chevalier de L'Ordre Nationale de la Legion d'Honneur" by order of the President of the French Republic.

Member of EDP General and Supervisory Board since 30th June 2006.

Ricardo José Minotti da Cruz Filipe

75 years old. After secondary school, which he completed with a mark of 18, he attended Instituto Superior Técnico de Lisboa, where he obtained a Civil Engineer degree in 1957 and was granted the Fonseca Benevides Award (highest mark student - 18) in all subjects.

He was an assistant lecturer at IST from 1958 to 1968, responsible for the Descriptive Geometry course. In October 1957 he was admitted as an engineer at Hidroeléctrica do Zêzere, one of the four partially public held companies which produced electricity in Portugal at the time. There he worked on normalizing several river-basins (Mondego, Guadiana, Tejo, Zêzere e Vouga). He then applied his knowledge to the energetic possibilities of the river-basins, the problems of electrical power producing plants programming and production costs economy. After the incorporation of CPE, which unified the partially public held companies of the Primary Grid, and once having completed an "on job" course on company organization, he divided his activity between company and power plant planning and improving the company's organization. After the nationalization of the electrical sector in 1975, he is first appointed to be member of the CEAL Administrative Commission, and then participates in the organization of the future sole nationalized company of the sector by being a member of CEOSE.

In July 1976 he is appointed Director for the Management Board of Electricidade de Portugal (EDP), an office which he held for four mandates until June 1988. He is entrusted, within the Board, of the company's strategic planning, its consolidation and reorganization, the improvement of the system as well as large project development contracting (in a national industry incentive perspective). He negotiated the loans with the World Bank for the expansion of the production and transportation capacities.

He was a member of the National Strategic Plan Commission and a representative of CPE (subsequently EDP) at the "Comité Restreint" and at the General Assembly of the "Union pour la Coordination de la Production et du Transport de l'Electricité" (UCPTE), from 1971 to 1988.

In October 1988 he was appointed Chairman of the Special Section for Privatizations of the Portuguese Finance Ministry an office, which he still currently holds.

He is Chairman of the Supervisory Board of Cimpor.

Rui Eduardo Ferreira Rodrigues Pena

69 years old. He received a degree in Law from the Faculty of Law at Universidade de Lisboa. He works as a lawyer and his professional activity has centred around the areas of administrative, trade, financial and business law, with a particular emphasis on the so-called regulated markets. He is a senior partner at the law firm of Rui Pena, Arnaut & Associados, which he founded. From 1973 to 2007, he was Chairman of the Board of Directors, Executive Director and Non-Executive Director of various Portuguese and international companies. He served as Minister of National Defence from 2001 to 2002 and was a member of the General Council of the Portuguese Bar Association from 1987 to 1989. He was a lecturer in Administrative Law at Universidade Autónoma de Lisboa from 1983 to 1987 and a member of the Lisbon Municipal Assembly in 1986. He is a part of the arbitration and reconciliation body of the International Centre for Settlement of Investment Disputes (ICSID). He served as President of the Inter-Parliamentary Union's Portuguese group from 1980 to 1982. He was an assistant at the Faculty of Law at Universidade de Lisboa from 1977 to 1980, Professor in Administrative Law at Universidade Livre de Lisboa from 1978 to 1981 and a member of the governing board in the same subject at the Universidade de Lisboa Faculty of Law from 1977 to 1980. In 1978 he served as Minister of Administrative Reform and as a member of the Portuguese Parliament from 1976 to 1983. From 1964 to 1975 he was a legal consultant and director of various companies in the SACOR Group.

Member of EDP General and Supervisory Board since 12th April 2007.

Vasco Maria Guimarães José de Mello

52 years old. He received a Bachelor of Science in Business Management from the American College of Switzerland in 1978 and attended the Citigroup Training Programme in New York from 1978 to 1979. He was adviser to the Board of Directors of the Industrial Textile and Chemical Union (1980-1982), where he went on to become a voting member of the Board (1982-1999). He was a voting member of the Board of Directors of the Independent Communications Society (1992-1994) and of Transitec-Lausanne (1982-1987). He served as Empowered Director of CUF Finance from 1985 until 2002. He was a voting member of the Board of Directors of Companhia de Seguros Império from 1992 to 1996 and Chairman from 1996 to 2000. He was also Chairman of the Board of Banco Mello, S.A. (1995-2000), Banco Mello de Investimentos (1991-2000) and Vice-Chairman of the Board of Directors of José de Mello, SGPS, (1994-2004). He was a voting member of the Board of Directors at ONI, SGPS (2000-2002) and Chairman of União Internacional Financeira, SGPS (2001-2004). He was Vice-Chairman of the Executive Board at Banco Comercial Português (2000-2007), a voting member of the Supervisory Board of Bank Millennium, Poland, (2005-2007) and a voting member of the Board of Directors of Abertis, Barcelona (2003-2007). He has served as Chairman of the Board of Directors and the Executive Board of Brisa-Autoestradas de Portugal, S.A. since 2002 and as Chairman of the Board of Directors of José de Mello, SGPS, S.A., since 2004.

Member of EDP General and Supervisory Board since 30th June 2006.

Vítor Fernando da Conceição Gonçalves

53 years old. He received his degree in Business Organisation and Management from ISEG in 1978. In 1987 he received his doctorate in Business Sciences from FCEE at Universidad de Sevilla. He received a degree in Management from Universidade Técnica de Lisboa in 1993, Full professor in Management at ISEG since 1994. Vice-Chancellor at Universidade Técnica de Lisboa since 2007. Non-executive Director of ZON Multimedia and Chairman of the Audit Committee (2007-). Member of the Economic and Social Council since 2007. Member of the Panel of Experts on World Competitiveness at the IMD World Competitiveness Centre since 2005. Chairman of the Gaptec / UTL Department (2007-). He served as Chairman of the ISEG Directive Council (2003-2006), Chairman of the ISEG Management Department (1992-2000). He has led several postgraduate and advanced training programmes for executives. Guest lecturer at several universities in Portugal and abroad. Member of the Assessment Committee for doctoral, post-doctoral and research candidates invited by the Fundação para a Ciência e Tecnologia (Science and Technology Foundation) since 1997. Chairman of the Management and Administration Undergraduate Degree Evaluation Committee for Portuguese Universities (2001/2002). Member of the Executive Council of Economics and Business Management Specialisation of the Portuguese Economists' Association (1999-2001) and member of the Professional Council. Director of Promindústria – Sociedade de Investimento SA (1994-1996). President of the Institute for Development and Studies in Financial and Business Economics (IDEFE) from 2003 to 2007. From 2001 to 2002, he was the president of the group of "high-level experts" at the European Commission that evaluated the programme on European competitiveness, the European Research Area. He is the author of dozens of articles on management which have been published in magazines and other national and international publications.

Member of EDP General and Supervisory Board since 30th June 2006.

CURRICULA

Executive Board of Directors



António Mexia

He received a degree in Economics from Université de Genève (Switzerland) in 1980, where he was also Assistant Lecturer in the Department of Economics. He was a postgraduate lecturer in European Studies at Universidade Católica. He was also a member of the governing boards of Universidade Nova de Lisboa and of Universidade Católica, where he was Director from 1982 to 1995. He served as Assistant to the Secretary of State for Foreign Trade from 1986 until 1988. From 1988 to 1990 he served as Vice-Chairman of the Board of Directors of ICEP (Portuguese Institute for Foreign Trade). From 1990 to 1998 he was Director of Banco Espírito Santo de Investimentos and in 1998 he was appointed Chairman of the Board of Directors of Gás de Portugal and Transgás. In 2000 he joined Galp Energia as Vice-Chairman of the Board of Directors. From 2001 to 2004, he was the Executive Chairman of Galp Energia and Chairman of the Board of Directors of Petrogal, Gás de Portugal, Transgás and Transgás-Atlântico. In 2004, he was appointed Minister of Public Works, Transport and Communication for Portugal's 16th Constitutional Government. He also served as Chairman of the Portuguese Energy Association (APE) from 1999 to 2002, member of the Trilateral Commission from 1992 to 1998, Vice-Chairman of the Portuguese Industrial Association (AIP) and Chairman of the General Supervisory Board of Ambelis. He was also a Government representative to the EU working group for the trans-European network development.

Since March 31st, 2006 Mr. Mexia is the Chief Executive Officer of EDP - Energias de Portugal, S.A.



Ana Maria Fernandes

She graduated in Economics from the Faculty of Economics at Oporto (1986). She received a postgraduate degree in Finance from the Faculty of Economics of Universidade do Porto and an MBA from the Escola de Gestão do Porto (1989). She lectured at the Faculty of Economics of Universidade do Porto from 1989 until 1991. She began her professional career in 1986 at Conselho – Gestão e Investimentos, a company of the Banco Português do Atlântico Group, in the capital markets, investments and business restructuring field. In 1989 she began working at Efisa, Sociedade de Investimentos, in the area of corporate finance, and was later made a director of Banco Efisa. In 1992 she joined the Grupo Banco de Fomento e Exterior as director in the area of investment banking and was Head "Corporate Finance" at BPI between 1996 and 1998. In 1998 she joined Gás de Portugal as Director of Strategic Planning and M&A and in 2000 became Director of Strategy and Portfolio Management of Galp Business. She later became president of Galp Power and Director of Transgás. In 2004 she was appointed a director of the Board of Galp Energia.

Since March 31st, 2006 Mrs. Fernandes is a Member of the Board of Directors of EDP - Energias de Portugal, S.A.



António Martins da Costa

He holds a degree in Civil Engineering and an MBA from the University of Oporto, and has completed executive education studies at INSEAD (Fontainebleau), AESE (Lisbon) and the AMP of the Wharton School (University of Pennsylvania).

Mr. António Martins da Costa is the Chairman and CEO of Horizon Wind Energy and a Member of the Board of EDP Renováveis. From 2003 to 2007, António Martins da Costa was the CEO and Vice-Chairman of the Board of Directors of Energias do Brasil and Chairman of the Board of Directors of the Company's subsidiaries in Brazil. He started his professional career in 1976 as a lecturer at the Superior Engineering Institute of Porto, joined EDP in 1981 and In 1989 he moved to the financial sector, assuming the positions of General Manager of banking and Executive Board Member on the insurance companies, pension funds and asset management operations of Millennium BCP and Director of Eureka BV (Netherlands). Since 1999 he was also Deputy CEO and Vice-President of the Executive Board of PZU (Poland), the biggest insurance company and asset manager in Central and Eastern Europe. Since March 31st, 2006 Mr. Martins da Costa is a Member of the Board of Directors of EDP - Energias de Portugal, S.A.



António Pita de Abreu

He received his degree in Electrotechnical Engineering from Instituto Superior Técnico (Lisbon) in 1972, where he worked as an assistant lecturer and guest lecturer in the Department of Electrotechnical Engineering and Computers. Since 1977 he has worked in the electricity sector, where until 2006 he occupied the following positions: executive member of the EDP Board of Directors. Chairman of the Board of Directors of REN (Portuguese National Electricity Grid), EDP Produção, CPPE (Portuguese Electricity Generation Company), EDP Cogeração and of Termoelétrica do Ribatejo. Vice-Chairman of the Board of Directors of EDP Distribuição – Energia, member of the Board of Directors of EDP Energia and of EDP Brasil. executive member of the Board of Directors of REN. Chairman of the Board of OniTelecom and Edinfor. Vice-Chairman of the Board of Turbogás and a voting member of the Board of Directors of EDA (Electricidade dos Açores).

Currently, he is Vice-Chairman of APE (the Portuguese Energy Association), Chairman of ELECPOR's Directive Council and a member of the Board of Directors of EURELECTRIC.

Since March 31st, 2006 Mr. Pita de Abreu is a Member of the Board of Directors of EDP - Energias de Portugal, S.A.



João Manso Neto

He graduated in Economics from Instituto Superior de Economia (1981) and received a post-graduate degree in European Economics from Universidade Católica Portuguesa (1982). He also completed a professional education course through the American Bankers Association (1982), the academic component of the master's degree programme in Economics at the Faculty of Economics, Universidade Nova de Lisboa and, in 1985, the "Advanced Management Program for Overseas Bankers" at the Wharton School in Philadelphia. From 1988 to 1995 he worked at Banco Português do Atlântico, occupying the positions of Supervisor for the International Credit Division, Head of the International Credit Division, Department Director, Deputy Central Director for International Management and Central Director of Financial Management and Retail Commerce South. From 1995 to 2002 he worked at the Banco Comercial Português, where he held the posts of General Director of Financial Management, General Manager of Large Institutional Businesses, General Manager of the Treasury, member of the Board of Directors of BCP Banco de Investimento and Vice-Chairman of BIG Bank Gdansk. From 2002 to 2003, in Banco Português de Negócios, he was the Chairman of BPN Serviços ACE, Director of BPN SGPS, Director of Sociedade Lusa de Negócios and a member of the Board of Banco Efisa. He is still a voting Member of the OMEL Board of Directors. From 2003 to 2005 he worked at EDP as Director-General and Administrator of EDP Produção. In 2005 he was named Appointed Adviser at HC Energía, Chairman of Genesa and Director of Naturgas Energia and OMEL.

Since March 31st, 2006 Mr. Manso Neto is a Member of the Board of Directors of EDP - Energias de Portugal, S.A.



Jorge Cruz Morais

He was awarded a degree in Electrotechnical Engineering from Instituto Superior Técnico in 1980 and an MBA from Universidade Nova de Lisboa in 1989. He began his career at EDP in 1983 in transport network planning. From 1991 to 1994 he served as Adviser to the EDP Board of Directors, coordinating the restructuring process that culminated in the creation of the EDP Group in 1994. He was then appointed Director of Strategic Planning and was responsible for coordinating the Group's privatisation (first and second phases of the IPO process). He was also a non-executive member of the Turbogás Board of Directors (1998-2000), non-executive member of the Board of Electricidade dos Açores (1999-2000) and Director of the Centro para a Conservação de Energia (1993-1996). From 2000 to 2004 he was the Executive Director of Oni SGPS and other Oni Group companies, acting as CFO from 2002 to 2004. From 2005 until March 2006 he served as Executive Director, fulfilling the roles of CEO of HC Energía and Naturgas Energia, the Spanish companies of the EDP Group.

Since March 31st, 2006 Mr. Cruz Morais is a Member of the Board of Directors of EDP - Energias de Portugal, S.A.



Nuno Alves

He received an undergraduate degree in Engineering and Naval Construction in 1980 and an MBA in 1985 from the University of Michigan. He began his professional career in 1988 as Supervisor in the Studies and Planning Directorate at Banco Comercial Português, where he took on the role of Sub-Director of Financial Investment in 1990. In 1991, he became Director of Investor Relations. In 1994, he became the Director of Private Retail Coordination. In 1996, he served as Director of Capital Markets for Banco CISF, the investment bank of Banco Comercial Português, and was promoted to Director of Investment Banking in 1997. In 1999, he became Chairman of the Board of Directors of CISF Dealer, where he remained until 2000, when he became Director of Milleniumbcp Investimento (formerly Banco CISF), responsible for Capital Markets and Treasury of the BCP Group. He has served as Director-General of BCP since 2000.

Since March 31st, 2006 Mr. Nuno Alves is the Chief Financial Officer and a Member of the Board of Directors of EDP - Energias de Portugal, S.A.

CURRICULA

Environment and Sustainability Board

CURRICULUM

João Ferreira do Amaral

Born 1948

Graduation (1970) and PHD (1984) in Economics (ISEG, Technical University of Lisbon)

Currently Full Professor of Economics (ISEG, Technical University of Lisbon) and Scientific Coordinator of UECE, Research Unit on Complexity and Economics (ISEG)

Former adviser to the President of the Republic (1991-2000)

Former Director-General of Planning. Ministry of Finance (1984-89)

Former technician of the Central Planning Bureau (1969-84)

Miguel Pedro Brito St. Aubyn
Curriculum Vitae
April 2009

IDENTIFICATION

Name Miguel Pedro Brito St. Aubyn

Date of birth 7 November 1966

Nationality Portuguese

Address Instituto Superior de Economia e Gestão, Rua Miguel Lupi, 20, 1200 Lisboa.

Telephone 21 392 59 87

E-mail mstaubyn@iseg.utl.pt

ACADEMIC DEGREES

2000 - "Agregação em Economia", Technical University of Lisbon.

1995 - Doctor of Philosophy (Ph. D.), London Business School.

1992 - Master in Monetary and Financial Economics, ISEG - Instituto Superior de Economia e Gestão, Technical University of Lisbon.

1989 - First degree in Economics, ISEG - Instituto Superior de Economia e Gestão, Technical University of Lisbon.

CURRENT POSITION

since 2001 Associate professor, Economics Department, ISEG - Instituto Superior de Economia e Gestão, Universidade Técnica de Lisboa.

TEACHING EXPERIENCE

since 1989 Taught several undergraduate and graduate courses in Macroeconomics at ISEG - Instituto Superior de Economia e Gestão, Technical University of Lisbon.

ACADEMIC AND RESEARCH MANAGEMENT EXPERIENCE

2005-2006 ISEG department of Economics vice-president.

2002-2005 President of UECE (Research Unit on Complexity and Economics). The unit is based at ISEG and directly funded by the Portuguese Science and Technology Foundation.

CONSULTANCY EXPERIENCE

Was consultant to the following organisations:

- Bank of Portugal
- European Central Bank
- Ministry of Finance, Portugal
- OECD

SUPERVISION (SUCCESSFULLY CONCLUDED THESIS)

since 1998 1 Phd and 15 Masters thesis supervised.

RECENT PUBLICATIONS

Books and book chapters

- 2009 "Ajustamento ao Euro - O Contraste entre Portugal e Espanha", with Vítor Gaspar in Economia Portuguesa e Integração Europeia, edited by Pedro Lains, Instituto de Ciências Sociais, Lisboa, forthcoming.
- 2005 Public Capital, Human Capital and Economic Growth: Portugal, 1977-2001, with Álvaro M. Pina, in Focus on Economic Growth and Productivity, Ed. L. A. Finley, Nova Science Publishers, New York, 2005.
- 2004 Portugal e o Alargamento da União Europeia - Aspectos Macroeconómicos, in O Impacto do Alargamento a Leste da União Europeia na Economia Portuguesa, Ed. Paula Fontoura and Nuno Crespo, Celta Editora, Oeiras, 2004.
- 2003 Educação em Portugal - Despesas, Resultados e Eficiência, in Mesa Redonda Grandes Opções da Política Económica e Social, Conselho Económico e Social, Lisboa, 2003.
- 2001 Macroeconomia, Exercícios e Teoria (2ª edição), with Jorge Santos, Álvaro Pina, Jacinto Braga e Manuel Teixeira, McGraw Hill Portugal, Lisboa.
- 1999 O Impacto do Euro na Economia Portuguesa, with António Pinto Barbosa (editor) and others, Publicações D. Quixote.

Articles in Scientific Journals

- 2009** "What Level of Education Matters Most for Growth? Evidence from Portugal", with João Pereira, Economics of Education Review, 28, pp. 67-73.
- "Network Effects in a Human Capital Based Economic Growth Model", with Teresa Vaz Martins, Tanya Araújo and Maria Augusta Santos, Physica A, 388 (11), pp. 2207-2214.
- "Public and Private Investment Rates of Return: Evidence for Industrialised Countries", with António Afonso, Applied Economics Letters, forthcoming.
- 2008** "Education, Neighbourhood Effects and Growth: An Agent Based Approach", with Tanya Araújo, Advances in Complex Systems, 11/1, pp. 99-117.
- 2006** "How to measure the return on public investment in a VAR?", with Álvaro Pina, Economics Bulletin, 8 (5), p. 1-4.
- Cross-country Efficiency of Secondary Education Provision: a Semi-parametric Analysis with Non-discretionary Inputs", with António Afonso, Economic Modelling, 23 (3), p. 476-491.
- 2005** "Non-parametric Approaches to Education and Health Efficiency in OECD Countries", with António Afonso, Journal of Applied Economics, 8 (2), November, p. 227-246.
- "Comparing Macroeconomic Returns on Human and Public Capital: An Empirical Analysis of the Portuguese Case (1960-2001)", with Álvaro M. Pina, Journal of Policy Modeling, 27 (5), July, p. 585-598.
- 2003** "Evaluating efficiency in the Portuguese education sector", Economia, vol. 26, Janeiro/Maio/Outubro, p. 25-51.
- 1999** "Convergence Across Industrialised Countries (1890-1989): New Results Using Time Series Methods", Empirical Economics, pp. 23-44, vol. 24, nº 1.
- "Credit Rationing and Monetary Transmission: Evidence for Portugal", with António Afonso, Estudos de Economia, vol. 19, nº 1, pp. 5-19.

Curriculum vitae

1. Dados pessoais

1. Personal data

Nome completo

Full name

Maria da Graça Madeira Martinho

BI

National identity card

5316616

Local e data de Nascimento

Birth place and date

Almada 18-04-1960

Pais de nacionalidade

Nationality

PORTUGAL

Morada institucional

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Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa

Campus da Caparica

2829-516 CAPARICA

PORTUGAL

Morada de residência

Living address

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2825-042 Caparica

PORTUGAL

Contactos

Contact data

Telephone: 212948300 (ext. 10118); Fax: 212948554

Email: mgm@fct.unl.pt

Endereço internet (url): www.ambientenanova.pt

2. Formação académica

2. Academic degrees

Ano Year	Grau académico Academic degree	Instituição Institution	Classificação Classification
1999	DOUTORAMENTO / PhD <u>Environmental Engineering</u>	Faculdade de Ciências e Tecnologia	Muito bom
1989	MESTRADO / MSc Sanitary Engineering	Faculdade de Ciências e Tecnologia	Muito Bom
1984	LICENCIATURA <u>Environmental Engineering</u>	Faculdade de Ciências e Tecnologia	15

3. Actividades anteriores e situação actual em termos científicos e/ou profissionais

3. Previous and current scientific and/or professional activities

Período Period	Cargo ou categoria Position or category	Instituição Institution
Since 2006	Coordinator of the Integrated Master in Environment Engineering and Assistant Professor	Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa
Since 2007	Member of Advisory Council	Institute for the Regulation of Water and Solid Waste (IRAR)
Since 2007	Member of Commission for Monitoring Waste Management (CAGER)	Portuguese Environmental Protection Agency (APA)
Since 2007	Member of Commission for Monitoring the Management Plan for Urban Waste (CAPERSU)	Environmental Protection Agency (APA)
Since 2007	Member of Environment and Sustainability Council	EDP
Since 2004	Member of Editorial Board	Journal "Água e Ambiente"
1985-1999	Lecturer	Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa
1985-2000	Founder and President	Portuguese Association of Environmental Engineers

4. Área de actividade científica

4. Area of scientific activity

Environmental engineering; solid waste management

5. Domínio de especialização

5. Domain of specialization

Domínio de especialização
Domain of specializations

Solid waste management.

Actuais interesses de investigação
Present research interests

Recovery and recycling technologies, waste indicators, NIMBY syndrome, regulatory and economic instruments of wastes management strategies, public participation, environmental education, waste management strategies and policies, social psychology applied to solid wastes.

6. Experiência na orientação

6. Supervising experience

PhD thesis:

- "Development a Pay-as-you-throw (PAYT) model applied to Portugal", Filipa Santos, FCTUNL (started 2009).
- "The Benchmarking of Solid Waste Collection", Susana Rodrigues, FCTUNL (started 2009).
- "Landfill mining potencial for refuse-derived fuel (RDF) production", Ana Lúcia Lourenço Pires (started 2006).
- "History of solid waste management and technologies", Sofia Heliodoro Alves, FCTUNL (started 2003).

- "NIMBY geographic prevision: a participatory model applied to landfill siting", M^a João Marques (started 2003).
- MSc thesis:
 - "Landfill mining viability of Moita's dumpsite", Sofia Anacleto (2008).
 - "Diagnosis from the national situation in matter of management and handling of leachate generated in sanitary landfills", Inês Santos (2008).
 - "Comparative analysis between electrocoagulation and physical-chemical treatment for landfill leachate", Carla Carvalho (2008).
 - "Waste management from University Campus. Study case: FCT/UNL", Sabrina Semitela (2007).
 - "Landscape rules to locate sewage and urban solid waste treatment plants", Jorge Puna (2006).
 - "Evaluation of health and security conditions of solid waste workers", Liliana Pereira (2006).
 - "Methodologies for municipal solid waste (MSW) quantification and physical characterization", Elsa Branco, (2006).
 - "Solid waste production and recycling indicators and there relation to some determinants factors", Maria do Carmo Silva, (2005).
 - "A tool for help decision maker and public participation in landfills location processes", Jorge Maia, (2004).
 - "Waste management of wastes from electrical and electronics equipment: a model applied to Portugal", Gisela Branco Padre, FCT/UNL (2004).
 - "Evaluation of pupils and parents attitudes change face to recycling paper", Ana Lúcia Inácio, FCT/UNL (2003).
 - "Environmental performance indicators applied to solid waste management systems", Sandra de Oliveira Pedro, FCT/UNL (2003).

7. Participação em projectos

7. Participation in research projects

-
- "ATVOU - Evaluation of recovery technologies for waste oil", Coordinator, Project developed for SOGILUB (2008-2009).
 - "Research project on WEEE of domestic origin", Coordinator, Project developed for AMB3E (2007-2008).
 - "Research project on batteries and accumulators of domestic origin", Coordinator, Project developed for ECOPIHAS (2007-2008).
 - "Management and Treatment of Leachate Generated in National Municipal Solid Waste Landfills", Coordinator, Project developed for Institute for the Regulation of Water and Solid Waste (IRAR) (concluded Dez. 2008).
 - "P - GERE – Public Participation on Waste Management: Risk Communication and Public Participation in a all-through integrated model for sitting and implementing waste infrastructures", POCTI/AMB/61566/2004, (Project Coordinator: Lia Vasconcelos), (2005-2008).
 - "Waste: A Residual History". POCTI/HCT/40228/2001, Coordinator (Partners ICS/ISCTE/UL; project ends 2004)
 - "Geo-WasteSiting: Social and Environmental Model for site location Solid Waste Treatment Facilities" POCTI/MGS/32627/2000, Coordinator. (Partners ISEGI/UNL; project ends 2004.
 - "Caracterization of material collected in a bring systems and evaluation of MRF", Projecto I&D da F-FCT/UNL, Coordinator project ends 2004.
 - "Recycling socio-economic indicators", Member of the team (Partners Instituto Nacional de Estatística/Eurostat; concluded 2004).
 - "Recycling of Coal Ashes by Glass-Ceramic Technology". SAPIENS'99. Member of the team (Partners FCT/UNL; concluded 2002).
 - "Participation indices in drop off recycling systems". Member of the team. PCSH/PSI/1070/95. (Partners FPCE/UL; concluded 1999).
 - "Environmental tourism criterials", Protocolo JNICT/DGA N^o 44/96. Member of the team (concluded 1998).

8. Publicações

8. Publications

Teses / Thesis

Martinho, M.G. 1999. "Determinants factors of recycling behaviour. Study case: glass recycling system". (PhD Thesis). FCT/UNL, Lisboa.

Martinho, M. G. 1989. "Results obtained from differential filtration of swine-breeding waste water depurate in a high rate algal ponds". (MSc. Thesis). FCT/UNL, Lisboa.

Livros (autor) / Books (author)

- Martinho, M.G. (Coord.); Santana, F.; Santos, J.; Brandão, A.; Santos, I. (2008).

"Management of Leachate Generated in Municipal Solid Waste Landfills". Edited by INR and FCT/UNL, Dez. 2008.

- Martinho, M.G.; Martinho, A. P.; Nunes, M. P.; Gonçalves, M.G. (2008) - Retrospective of Twelve Years (1990-2002) of Environmental Education in Portuguese Schools, In Miranda Azeiteiro, Ulisses / Gonçalves, Fernando / Pereira, Ruth / Pereira, Mário Jorge / Leal Filho, Walter / Morgado, Fernando (eds.), "Science and Environmental Education. Towards the Integration of Science Education, Experimental Science Activities and Environmental Education". Peter Lang AG - International Academic Publishers (ISBN 978-3-631-55406-7).

- Martinho, M.G.; Rodrigues, S. (2007). "História da produção e reciclagem de embalagens em Portugal". Edição conjunta da FCT/UNL e Sociedade Ponto Verde.(ISBN 978-972-98382-1-7).

- Marques, M.J.; Martinho, M.G.; Vasconcelos, L.; Maia, J. (2007). Nimby Geographic prevision: a participatory model applied to landfill siting in Portugal. In A Haarstrick and T. Reichel (Editors), "Landfill Modelling". Cisa Publisher (ISBN 978-88-6265-001-4).

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- BRANCO, E.; MARTINHO, M. G.; SILVEIRA, A.I. (2005). Metodologies for urban solid waste characterization. VIII National Congress of Environmental Engineering, APEA. Lisboa, November 7-8.

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- MARTINHO, M. G. (1999). Differences between Recyclers and Non Recyclers. V National Congress of Environmental Engineering, APEA. Lisboa, November 11-13.

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Born in 1964

Company Management Experience

2004: Chairman of the Board of Directors of Sousa Cunhal Turismo, S.A., being the Executive Director responsible for the development and promotion of integrated resorts under the "L'AND" trademark.

2006: Executive Director responsible for the development and implementation of the project for incorporation of a Special Forest Real Estate Investment Funds Management Company (Natural Assets Management, S.A.).

2005-2008: Member of the Sustainability and Corporate Governance Committee of Banco Comercial Português (Millenniumbcp).

2003-2008: Member of the Superior Board of Banco Comercial Português (Millenniumbcp).

1999: Member of the Board of Directors of Sousa Cunhal SGPS, S.A., being the Executive Director responsible for new businesses development and company diversification strategy, especially in the tourism and real estate areas.

1989-1991: Admitted to Banco Comercial Português.

Other Professional Experience

2001: Admitted to the Environmental Law Doctorate Program of the Faculty of Law of Universidade de Lisboa.

1992-2006: Assistant lecturer at the Faculty of Law of Universidade de Lisboa, having lectured the following subjects: Introduction to Law, Private International Law, Comparative Law and Environmental Law.

2002-2004: Responsible for coordinating the Environmental Law Sciences Post-Graduation Course at the Faculty of Law of Universidade de Lisboa.

2004-2005: Lecturer responsible for the Water and Waste Law subject in the Administrative Law Sciences Post-Graduation Course at the Faculty of Law of Lisboa.

He was invited by several Portuguese colleges to teach in post-graduation courses and seminars, having taught, among others, and between 2001 and 2006 a class on "Liability for Environmental and Ecological Damages" in the Environmental, Urbanism and Territorial Planning Law Post-Graduation Course promoted by Centro de Estudos do Direito do Urbanismo, Ordenamento do Território e Ambiente (CEDOUA) of the Faculty of Law of Universidade de Coimbra, and, between 2003 and 2005, as Principal Lecturer, the subject of "Environmental Law" at Universidade Técnica de Lisboa in the Environmental Engineering Course.

He attended several seminars and post-graduation courses on private international law, environmental law and water protection law.

1996-2008: Lawyer and founding member of the Law Firm LCA (Lorena de Sèves, Cunha Sendim e Abalada Matos) with relevant experience in the practice of Urbanism Law, Environmental Law and Water Protection Law.

Legal Consultant to the Secretary of State for Local Administration and Territorial Planning.

Education

2008: Post-Graduation Program "Dirección de Empresas Inmobiliárias" - IES (Spain).

2007: Post-Graduation Program "Forestry for Executives" - Yale University (USA).

2005-2006: Company Top Management Program (PADE) - AESE/IESE (Lisbon).

1992: Visiting Scholar at the School of Law (Boat Hall) of University of California, Berkeley.

1992: Master in Law by the Faculty of Law of Universidade Católica Portuguesa with a final mark of 17.

1988: Degree in Law in November from the Faculty of Law of Universidade Católica Portuguesa with a final average mark of 14.

Published Works

He published several articles on Private International Law and Environmental Law.

Main published monographs: "Civil Liability for Ecological Damages: Damage Reparation through Natural Restoration" (Coimbra Editora, 1998); "Environmental Citizen's Guide" (D. Quixote, 2003); "Portuguese Environmental Law" (in co-authorship with Maria da Glória Garcia, Pedro Machete e Rafael Lucas Pires) (Kluwer Law, 2001).

Other Occupations

Founding member of CIDAMB - Associação Nacional para a Cidadania Ambiental.

Member and voluntary participant in several associations for the promotion of environmental citizenship and human rights protection.

Elected representative of assistant lecturers in the Representatives Assembly of the Faculty of Law of Lisboa between 1992 and 1999.

Member of the Universidade de Lisboa Senate in 1998.