

Cristina M. Marta R. Pedroso

Nationality: Portuguese

Date of Birth: 08th August 1972

EDUCATION

- **2009** Postdoc in Environmental Economics Studies. Instituto Superior Técnico, Universidade de Lisboa, Portugal.
- **2006** PhD in Ecology, Faculty of Sciences, University of Coimbra, Portugal
Dissertation: Ecological and economic valuation of rural landscapes: the case study of the cereal steppe of Castro Verde, Portugal. (*in English*)
- **1998** MsC in Sciences of Coastal Areas, University of Aveiro, Portugal
Dissertation: Comparative study of ecophysiological aspects of nine dune plants. (*in Portuguese*)
- **1995** BsC in Biology, Faculty of Sciences, University of Coimbra, Portugal

TRAINING AT INTERNATIONAL INSTITUTIONS

- **2007** Agricultural Economics and Rural Policy Group, Department of Social Sciences, Wageningen University, The Netherlands (6 months).
- **2004** Research School of the Socio-Economic and Natural Sciences of the Environment, The Netherlands (9 months).
- **2000-2003** Environmental Systems Analysis Group, Department of Environmental Sciences, Wageningen University, The Netherlands (3 months/year).

ADVANCED COURSES

- **2007** *Economic Valuation: Stated preferences methods*. University of Umea. Sweden.
- **2003** EU Advanced Summer Course in *Integrated Assessment: Puzzle Solving for Policy*. ICIS, Maastricht University, The Netherlands.
- **2001** *The Economics of Natural Resources*. International Centre for Advanced Mediterranean Agronomic Studies - Mediterranean Agronomic Institute of Zaragoza, Spain.
- **1999** *Dynamic modelling of ecological and economics systems*, University of Maryland, USA.

GRANTS AND AWARDS

- **Post-Doctoral Grant FCT** (Foundation for Science and Technology, Portuguese Ministry of Education and Science) - SFRH/BPD/24416/2005; 38 months (**01.04.2006 – 14.06.2009**)
- **Marie Curie Training Grant** (Research School for Socio-Economic and Natural Sciences of the Environment, The Netherlands) - EVK2-GH-02-57006-05; 9 months (**01.09.2003– 31.05.2004**)
- **Doctoral Grant FCT** (Foundation for Science and Technology, Portuguese Ministry of Education and Science) - PRAXIS XXI/BD/19742/99; 48 months (**01.08.1999 – 31.08.2003**)

EXPERIENCE

CONSULTANCY (SELECTED PROJECTS)

- **2009-2015.06** On-going Evaluation of the ProDer (2007-2014 Rural Development Programme for Mainland Portugal). Contractor: Portuguese Ministry of Agriculture. **Deputy Coordinator.**
- **2009-2014** ATTHIS Consulting (formerly Trifolder, Consultores em Ambiente e Economia dos Recursos Naturais). **Founder and Managing Partner.**
- **2014.06-2014.12** Mapping and Assessment Ecosystem Services in Portugal: a preliminary study on quantifying ecological and socio-economic dimensions. Contractor: Portuguese Authority for Nature Conservation and Forests (ICNF). **Deputy Coordinator.**
- **2014-03-2014.09** Strategic guidance and financing model proposal for implementing the National Strategy for Adaptation to Climate Change (ENAAC) for the 2014-2020 period. Contractor: Portuguese Environment Agency (APA). **Senior Consultant.**
- **2013-06-2014.06** Methodological proposal and management guidance for the practice of Ecosystem services inclusive Environmental Impact Assessment (EIA) and other challenges posed by the new EIA Directive. Contractor: EDP, Energias de Portugal. **Coordinator.**
- **2013.01-2013.06** Effective carbon prices: Portugal case study of abatement costs related to selected climate policies and addressing certain economic sectors. Contractor: The Organisation for Economic Co-operation and Development (OCDE). **Senior Consultant.**
- **2013.04-2013.10** Strategic Environmental Assessment of the new EFMA (Alqueva Multi-Purpose Dam) investments regarding the Secondary Irrigation Network, within the scope of INALENTEJO. Contractor: QREN- National Strategic Reference Framework for Portugal. **Senior Consultant.**
- **2011-2012** Ecosystem Valuation Initiative (Hydropower sector): the case study of the Cascata da Serra da Estrela. Contractor: EDP, Energias de Portugal, S.A. **Deputy Coordinator.**
- **2006-2007** Willingness to pay estimation for sustainability labelled beef and organic beef. Market study based on in-store, in person and phone surveys. Contractor: DECOECO – Projectos Ambientais, Lda within the Project Extensivity - Environmental and Sustainability Management Systems in Extensive Agriculture LIFE03 ENV/P/505. **Consultant.**
- **1999-2001** Porphyrio Project - Reintroduction of the Purple Gallinule in the Lower Mondego River Valley". **Contractor:** LIFE98 NAT/P/005267. **Project Manager.**

SCIENTIFIC RESEARCH

- **15.06.2014** ... Senior Researcher at Maretec/Larsys, Instituto Superior Técnico, Universidade de Lisboa, Portugal.
- **14.06.2009-14.06.2014** Assistant Researcher at CIMO (Mountain Research Centre), Polytechnic Institute of Bragança, Portugal.
- **01.04.2006-14.06.2009** Post-doc researcher at IST, Instituto Superior Técnico, Universidade de Lisboa, Portugal.

UNIVERSITY TEACHING

- **2014** Invited Lecturer to the Ecosystem Services Framework and Economic Valuation Methods Module in "Management of Agro-forestry systems: ecological, social and economic perspectives". A course organized by ESA/IPB. Bragança, 30-3 a 12-4 de 2014.
- **2012** Invited Lecturer to the Economic Valuation Module of the Course "Evaluating Ecosystem Services for decision-making". A course organized by IN+/IST and the Natural Capital Project, Stanford University, USA. Lisbon, 5-10 November.
- **1996-1998** Teaching Assistant at Department of Biology, University of Aveiro, Portugal.

POLICY ADVISORY

- **2004-2005** Assessor of the Head of Environmental and Quality of Life Ombudsman from the Municipality of Coimbra, Portugal.

OTHER WORK EXPERIENCE

INTERGOVERNMENTAL PLATFORM ON BIODIVERSITY AND ECOSYSTEM SERVICES (IPBES)

- **2015 – 2017** Lead Author for the IPBES Regional Assessment of Biodiversity and Ecosystem Services and Functions for Europe and Central Asia (Deliverable 2b).

EUROPEAN COMMISSION WORKING GROUPS

- **2014 – present** Member of the MAES WG (Mapping and Assessment Ecosystem Services in Europe Working Group) established by the European Commission to provide guidance on Action 5 of EU Biodiversity Strategy to 2020 implementation. Co-leader of the Forest Pilot under the initiative MAES.

INTERNATIONAL NETWORKS MANAGEMENT

- **2014** - Co-leader of the Portuguese National Network for the Ecosystem Services Partnership (ESP), a worldwide network to enhance the science and practical application of ecosystem services assessment.

INTERNATIONAL EVENTS ORGANIZATION

- **2013** – Organizer and host of the Special Session "Integrating ecosystem services and economic valuation in Environmental Impact Assessment and Cost-Benefit Analysis of dam projects and watershed management" at the 6th Annual Ecosystem Services Partnership Conference held in Bali, Indonesia.

SELECTED PUBLICATIONS

SCIENTIFIC ARTICLES AND BOOK CHAPTERS

- Maes, J., Liqueste, C., Teller, A., Erhard, M., Paracchini, M.L., Barredo, J. I., Grizzetti, B., Cardoso, A., Somma, F., Petersen, J., Meiner, A., Gelabert, E.R., Zal, N., Kristensen, P., Bastrup-Birk, A., Biala, K., Piroddi, C., Egoh, B., Degeorges, P., Fiorina, C., Santos-Martín, F., Naruševičius, V., Verboven, J., Pereira, H.M., Bengtsson, J., Gocheva, K., **Marta-Pedroso, C.**, Snäll, T., Estreguil, C., San-Miguel-Ayanz, J., Pérez-Soba, M., Grêt-Regamey, A., Lillebø, A. I., Malak, D. A., Condé, S., Moen, J., Czúcz, B., Drakou, E.G., Zulian, G.,

Lavalle, C. (2016) An indicator framework for assessing ecosystem services in support of the EU Biodiversity Strategy to 2020. *Ecosystems Services*, 17:14-23.

- Pinto, R., Brouwer, R., Patrício, J., Abreu, P., **Marta-Pedroso, C.**, Baeta, A., Franco, J.N., Domingos, T., Marques, J.C. (2016) Valuing the non-market benefits of estuarine ecosystem services in a river basin context: Testing sensitivity to scope and scale. *Estuarine, Coastal and Shelf Science*, 169: 95-105.
- Cerqueira, Y.R., Navarro, L. M., Maes, J., **Marta-Pedroso, C.**, Honrado, J. P, Pereira, H.M. (2015) Ecosystem Services: The Opportunities of Rewilding in Europe. In: Pereira, H.M & Navarro, L. M. (Editors). *Rewilding European Landscapes*. Springer, New York. ISBN 978-3-319-12038-6.
- **Marta-Pedroso, C.**, Laporta, L, Proença, V, Azevedo, J, & Domingos, T. (2014) Changes in the ecosystem services provided by forests and their economic valuation: a review. In: Azevedo, J.A., Perera A., Pinto, A. (Editors). *Forest landscapes and global change: challenges for research and management*. Springer, New York. ISBN 978-1-4939-0953-7.
- **Marta-Pedroso, C.**, Freitas, H., Domingos, T. (2009) The cereal steppe of Castro Verde: goods and environmental services (*in Portuguese*). In: Pereira, H. M., Domingos, T., Vicente, L. & Proença, V. (Editores). *Ecosistemas e Bem-estar Humano: Avaliação para Portugal do Millennium Ecosystem Assessment*. Escolar Editora, Lisboa, Portugal. ISBN 978-972-592-274-3. (*in portuguese*).
- Pereira, H. M., Domingos, T., **Marta-Pedroso, C.**, Proença, V., Rodrigues, P., Ferreira, M., Teixeira, R., Mota, R., Nugal, A. (2009). Evaluation of ecosystem services in Portugal (*in Portuguese*). In Pereira, H., Domingos, T., Vicente L. & Proença, V. (Eds.), *Ecosistemas e Bem-estar Humano: Avaliação para Portugal do Millennium Ecosystem Assessment*. Escolar Editora, Lisboa, Portugal. ISBN 978-972-592-274-3.
- **Marta-Pedroso, C.**, Freitas, H., Domingos, T. (2007) Testing for the survey mode effect on Contingent valuation data quality: a case study of web based versus in-person interviews. *Ecological Economics* 62:388-398.
- **Marta-Pedroso, C.**, Freitas, H., Domingos, T., de Groot, R. S (2007) Incorporating the benefits supplied by soil in agri-environmental policy efficiency analysis: the case of the Zonal Program of Castro Verde (Portugal). *Soil & Tillage Research* 97: 79–90.
- **Marta, C.**, Freitas, H. (1996) – Mineral nutrition aspects of halophytes *Spartina maritima*, *Sarcocornia fruticosa* e *Halimione portulacoides* in the Mondego River saltmarsh. *Boletim da Sociedade Broteriana* Vol. 67 (2ª série) 373-382. (*in portuguese*)

SCIENTIFIC DISSEMINATION ARTICLES

- **Marta-Pedroso, C.** (2013) Ecological and Economic Systems: from functional dependence to integration. *Cadernos de Economia. Revista da Ordem dos Economistas Portugueses*, nº 103, Abr/Jun. (*in portuguese*)
- **Marta-Pedroso, C.** & Domingos, T. (2010) Rural Development and Integrated Territorial Interventions: the case of Castro Verde. *Revista Cais*, Outubro. (*in portuguese*)
- Domingos, T., **Marta-Pedroso, C.** & Teixeira, R. (2007) The challenge of sustainability in agriculture. *Revista + Ambiente*, Junho. (*in portuguese*)

ARTICLES IN CONFERENCE PROCEEDINGS

- da Silva Vieira, R., Martins, H., **Marta-Pedroso, C.** & Domingos, T. (2013) The contribution of ProDeR (2007-20014 Rural Development Program for Portugal mainland) for improving water quality and combating climate change – preliminary results. In: Borrego, C, Miranda, Al, Arroja, L, Fidélis, T, Castro, EA & Gomes, AP (Eds) Proceedings of the 10th CNA - XII CNEA (Conferência Nacional do Ambiente e Congresso Nacional de Engenharia do Ambiente), November 6-8, Aveiro University (2013). ISBN: 978-989-98673-0-7. *(in portuguese)*.
- Domingos T., da Silva Vieira, R., Gonçalves, A. & **Marta-Pedroso, C.** (2013) Effective carbon prices in Portugal. In: Borrego, C, Miranda, Al, Arroja, L, Fidélis, T, Castro, EA & Gomes, AP (Eds) Proceedings of the 10th CNA - XII CNEA (Conferência Nacional do Ambiente e Congresso Nacional de Engenharia do Ambiente), November 6-8, Aveiro University (2013). ISBN: 978-989-98673-0-7. *(in portuguese)*
- **Marta-Pedroso, C.** & Domingos, T. (2012) Willingness to pay for enhanced animal welfare: results from phone and in person surveys. Book of Abstracts IX Colóquio Ibérico de Estudos Rurais, ISBN 978-972-96347-4-1.

POLICY BRIEFS

- Hedden-Dunkhorst, B., Braat, L., Hansjürgens, B., Schröter-Schlaack, C., Schweppe-Kraft, B., Carius, F., Hendriks, H., **Marta-Pedroso, C.**, Honigova, I., Jacobs, S., Naqvi, A., Špulerová, J. (2011). Policy Brief: TEEB Processes in European Countries. Results and Recommendations from an Expert Workshop held 11-14 October 2011 at the International Academy for Nature Conservation Isle of Vilm,

WORKING PAPERS

- Maes J., [...] **Marta-Pedroso, C.**, et al. (2014) Mapping and Assessment of Ecosystems and their Services. Indicators for ecosystem assessments under Action 5 of the EU Biodiversity Strategy to 2020. ISBN: 978-92-79-36161-6, Publications Office of the EU, Luxembourg.
- Domingos, T. Vieira, R., Gonçalves A., **Marta-Pedroso, C.** (2014) Effective Carbon Prices in Portugal 2010. Working Paper prepared to OCDE. ENV/EPOC/WPIEEP(2014)5.

TECHNICAL REPORTS

- **Marta-Pedroso, C.** & Domingos T. (Eds), Mesquita S., Capelo J., Gama, I., Laporta L., Alves, M., Proença, V., Canaveira, P., Reis, M. (2014). Mapping and Assessment of Ecosystem Services in Portugal. Report Commissioned by ICNF, Instituto Superior Técnico (IST-UTL), Lisboa.
- **Marta-Pedroso, C.**, Gama, I., Laporta L., & Domingos, T. (2014). A TEEB (The Economics of Ecosystems and Biodiversity) study for the Parque Natural da Serra de S. Mamede. Report Commissioned by INCF, Instituto Superior Técnico (IST-UTL), Lisboa.
- **Marta-Pedroso, C.**, Laporta L., Domingos T. (2014) Ecosystem Services Inclusive Environmental Impact Assessment (EIA): Current Practices and Proposal for Methodological Guidance. Report Commissioned by EDP- Energias de Portugal S.A. Instituto Superior Técnico/ADIST, Lisboa.

- **Marta-Pedroso, C.,** Laporta L., Domingos T. (2014) - Ecosystem Services Inclusive Environmental Impact Assessment (EIA): Revision of Current Practices based on the EIA for the Foz-Tua Hydropower Plant and Methodological Guidance. Report Commissioned by EDP- Energias de Portugal S.A. Instituto Superior Técnico/ADIST, Lisboa.
- Domingos, T., da Silva Vieira, R., Valada, T., Martins, H., **Marta-Pedroso, C. (2014)** Strategic Guidance and financing model for implementing the Portuguese ENAAC (National Strategy for Climate Change Adaptation) for the 2014-2020 period. Report Commissioned by Agência Portuguesa de Ambiente (APA). Instituto Superior Técnico. Lisboa.
- **Marta-Pedroso, C.,** Carvalho Fernandes, S., Spurgeon, J. (2013) - EDP's Cascata da Serra da Estrela and its watershed valuation study. A complement to the Business Guide to water Valuation. Eds World Buisness Council.
- Domingos, T., da Silva Vieira, R., M. G. L. Teixeira, C., Canaveira, P., **Marta-Pedroso, C. (2013)**. Strategic Environmental Assessment of the new EFMA investments regarding the secondary Irrigation network, within the scope of INALENTEJO. Report commissioned by Observatório do QREN for the inclusion of nine operations from the secondary irrigation network from EFMA in the Alentejo's Regional Operational Programme 2007-2013.
- Beja, P., Domingos, T., **Marta-Pedroso, C.** (Eds.), Pinto, A. T., Marques, B., Almeida, C., Vale, C., Silva, D., Miguel, H., Honrado, J., Gonçalves, J., Alves, M., Alves, P., Chambel, P. (2012). Ecosystem Valuation Initiative, The case study of the Cascata da Serra da Estrela and its primary watershed. Report commissioned by EDP - Energias de Portugal, S.A. . Centro de Investigação em Biodiversidade e Recursos Genéticos (CIBIO), Instituto Superior Técnico (IST), Centro de Investigação de Montanha (IPB), Lisboa e Bragança.
- Domingos, T., Oliveira das Neves, A., **Marta-Pedroso, C.** (Eds.), Martins, H., da Silva Vieira, R., Alves, M., Porta, M., e Ferreira, G. (2010) Mid-term evaluation of the 2007-2014 Rural Development Program for Portugal mainland (ProDeR). Report commissioned by Management Authority of Proder. Instituto Superior Técnico, Instituto de Estudos Sociais e Económicos e Instituto Politécnico de Bragança, Lisboa e Bragança.

INVITED ORAL PRESENTATIONS

- **Marta-Pedroso, C. & Domingos, T. (2016)** Mapeamento e avaliação de serviços de ecossistema para a gestão do capital natural e para o ordenamento do território: o estudo piloto para o Alentejo, Ciclo Palestras da Secretaria-Geral do Ministério do Ambiente. Lisboa, 2nd June.
- **Marta-Pedroso, C. (2015)** Ecosystem Services in Developing Countries: linkages to the Millennium Development Goals including poverty reduction. Ciclo de Conferências "Agenda para o Desenvolvimento Sustentável 2030". Direcção de Serviços de Cooperação, Camões – Instituto da Cooperação e da Língua, I.P., Ministry of Foreign Affairs. Lisboa. 24th September.
- **Marta-Pedroso, C. (2015)** The business case for adopting ecosystem services inclusive EIA (Environmental Impact Assessment). Direcção de Sustentabilidade. EDP Produção. Porto, 28th September.
- **Marta-Pedroso, C. (2014)** Evaluation of ecosystem services in the context of corporate decision-making: an emerging new paradigm. Encontro da Primavera 2014 - Ecologia, paisagem e serviços de ecossistema. Associação Portuguesa de Ecologia da Paisagem (APEP). Universidade do Porto, Porto, Portugal, June 17th.

- **Marta-Pedroso, C.,** Laporta, L., Proença, V., Azevedo, J., Domingos, T. **(2013)**. Ecosystem Services Valuation and Forest management: Challenges and Conservation Initiatives. US - IALE 2013, Austin, Texas, USA, April 14th – 18th.
- **Marta-Pedroso, C.,** Laporta, L., Domingos, T. **(2013)** - Bridging Ecosystem Services and EIA Approaches envisioning Cost-Benefit Analysis of hydropower Projects. 6th Annual International Conference of the Ecosystem Services Partnership, Bali, Indonesia, 26th-30th August.
- **Marta-Pedroso, C. (2012)** – Ecosystem Valuation Initiative (WBCSD): the case study of the Cascata da Serra da Estrela. Workshop Serviços do Ecossistema em Espaços Florestais – Contributos para uma Economia Verde em Portugal. Autoridade Florestal Nacional, Lisboa, Portugal, February 29th.
- **Marta-Pedroso, C. (2011)** – Valuing ecosystem services in forest management. Seminário Floresta, Bens Públicos e Serviços Ambientais. Autoridade Florestal Nacional, Santarém, Portugal, 6th June.
- **Marta-Pedroso, C. & Fernandes, S. (2011)** - Total Ecosystem Valuation of a hydropower system watershed in Serra da Estrela, Portugal. WBCSD's Workshop on Corporate Ecosystem Valuation, London, UK, 5th September.