

1.1. Curriculum Vitae

Last name, First name: Neto, Belmira

Overall Scientific Expertise:

I obtained my PhD degree five years ago in Environmental Systems Analysis. During my PhD project, I developed an impact assessment decision making tool for industrial sector allowing for the assessment of costs for mitigation options. This was carried out in a very close collaboration with a company and in an international environment between the University of Wageningen (the Netherlands), the research institute TNO (the Netherlands) and the International Institute for Applied Systems Analysis (Austria).

Currently, I am involved in several research projects associated to the assessment of the sustainability of processes and products through the use of LCA based methods. My research topics focuses in the supply chain, and more specifically to the environmental analysis of relevant consumption products/services. The mentioned research, focusing on the sustainability of products, is being developed together with colleagues from other academic backgrounds creating multidisciplinary teams from national and international institutions.

In summary, I would very much appreciate the chance to work as part of a Scientific Committees in the field of environment for EU where I could make a contribution while developing my skills further.

Professional Experience

Years employed from – to	Title of position	Employer – name and location	Areas of professional specialisation
2007-until now	Assistant Professor	University of Oporto, Portugal	Environmental engineering. Life Cycle Assessment and analysis of supply chains.. Sustainability of Products, Processes and erVICES.
3 years: from October 2013 to October 2016	Technical /scientific officer	JRC B5 Unit - Circular Economy and Industrial Leadership. Seville, Spain.	Environmental policies for products/services in EU.

[Expertise in the specific field of the call: *in case you are applying after a call for expert please describe your expertise relevant for the specific call*]

The expertise that I may bring to the Scientific Committee on Health, Environmental and Emerging Risks (SCHEER) is based in the evaluation of the risks related to pollutants in the environmental media.

For that counts my long term experience in the use of Life Cycle Assessment methodologies to evaluate the environmental impact of processes, services and products have been accumulated throughout the last decades. The multiple impacts on the environment, for example in relation to air quality, waters, waste and soils have been extensively evaluated within the course of my PhD project. Further to that LCA publications have allowed to a widening of the assessment of impact for the whole supply chain of food products. More recently the experience at JRC allowed a practical experience on the developing product/service policies based on the use of the life cycle environmental assessment for large consumption products and service supplies. Namely, the work on JRC was specifically devoted to the development of the green public procurement (EU GPP) criteria for the procurement of food products and catering services by public authorities from EU. Other examples of the work carried out in the technical scientific support used to develop green public procurement criteria for indoor cleaning services /cleaning products.

Educational Background

Year	Degree awarded	Educational Institution – name and location	Areas of educational specialisation*
2007	PhD.	University of Wageningen. The Netherlands	Environmental sciences. Assessment of environmental impacts.
1996	MSc.	Materials Engineering	Advanced Materials Science and Engineering
1994	Post-graduate	Environmental engineering	Environmental Engineering.
1992	Licentiate	Materials Engineering	Materials Science and Engineering

Memberships in Scientific Advisory Bodies/Committees/Panels (if any):

2011-2013: Member of the Scientific Committee of the Master Program in Environmental Engineering, Faculty of Engineering, Oporto University, Portugal

2009-2013: Member of the Scientific Committee of the PhD. Program in Metallurgical and Materials Engineering.

Memberships in Learned Societies (if any):

2011-2014: member of the International Society for Industrial Ecology

Memberships in Editorial Boards (if any):

Editorial Board Members of the

[International Journal of Sustainable Society \(IJSSOC\)](#)

List of Publications:

Belmira Neto, Ana Cláudia Dias, Marina Machado, 2013. Life Cycle Assessment of the supply chain of a Portuguese wine: from Viticulture to Distribution, International Journal of Life Cycle Assessment, Volume 18, Issue 3, pp 590–602

Neto, Belmira; Wolf Oliver; Field, Bethany; Jenkin, Nicola; Tam, Max; Benjamin, Oscar; 2016. Development of the EU Ecolabel Criteria and revision of the EU Green Public Procurement Criteria for Cleaning Services; EUR 28007 EN; doi:10.2791/531356. ISBN 978-92-79-59838-8. Luxembourg: Publications Office of the European Union, European Union, 2016

Neto, Belmira; Rodríguez Quintero, Rocío; Wolf, Oliver; Sjögren, Pernilla; Lee, Peter; Eatherley, Dan; 2016. Revision of the EU Green Public Procurement Criteria for Food and Catering Services; EUR 28050 EN;doi:10.2791/099130. ISBN 978-92-79-46964-0. Luxembourg: Publications Office of the European Union, European Union, 2016

Paula Quinteiro, Ana Cláudia Dias, Leandro Pina, Belmira Neto, Bradley Ridoult, Luis Arroja, 2014. Addressing the freshwater use of a Portuguese wine ('vinho verde') using different LCA methods. Journal of Cleaner Production, 68 (1) pp.46–55

Martha Demertzi, Rui Pedro Silva, Belmira Neto, Ana Cláudia Dias, Luís Arroja (2016). Cork stoppers supply chain: potential scenarios for environmental impact reduction. Journal of Cleaner Production, 112, 3 pp. 1985–1994.

Belmira Neto, Carolien Kroeze, Leen Hordijk, Carlos Costa, 2008. Selecting environmental systems analysis tools: strengths and weaknesses for use in a decision support system, in: M.S. Alonso and I.M. Rubio (eds), Ecological Management: New Research, Nova Science Publishers, Chapter 3.

Teresa M. Mata, António A. Martins, Belmira A. F. Neto, Maria Martins, Romualdo L. Salcedo, Carlos A. V. Costa, 2012. LCA Tool for Sustainability Evaluations in the Pharmaceutical Industry, Chemical Engineering Transactions, Vol. 26, p. 261 – 266.

Belmira Neto, Carolien Kroeze, Leen Hordijk, Carlos Costa, 2009. Inventory of pollution reduction options for an aluminium pressure die casting plant, RESOURCES CONSERVATION AND RECYCLING, Vol. 53 n° 6, p. 309 – 320.

Belmira Neto, Carolien Kroeze, Leen Hordijk, Carlos Costa, Tinus Pulles, 2009. Strategies to reduce the environmental impact of an aluminium pressure die casting plant: a scenario analysis, JOURNAL OF ENVIRONMENTAL MANAGEMENT, Vol. 90 n° 2, p.815 - 830

- Belmira Neto, Carolien Kroeze, Leen Hordijk, Carlos Costa, 2008. Modelling the environmental impact of an aluminium pressure die casting plant and options for control, ENVIRONMENTAL MODELLING & SOFTWARE, Vol. 23 n° 2, p. 147 – 168.