

**EXTRAORDINARY GENERAL MEETING OF
SHAREHOLDERS
PHAROL, SGPS S.A.**

7 September 2018

SHAREHOLDER(S) PROPOSAL

ITEM 1 OF THE AGENDA:

(To resolve on the election of a new member of the Board of Directors for the three-year period 2018-2020)

Whereas

- a) For the reasons disclosed to the market on May 18, 2018 only 9 directors were elected for the three-year period 2018/2020;
- b) The corporate interest imposes the election of a tenth director for the three-year period 2018/2020

It is proposed

To be elected for director Mrs. Maria Leonor Martins Ribeiro Modesto

Attached to this proposal is the curriculum vitae of the person indicated, with the information required in paragraph d) of no. 1 of article 289 of the Portuguese Companies Code.

Lisbon, 16 August 2018

The Shareholder(s)

CURRICULUM VITAE

LEONOR MODESTO

Educational Experience and Degrees

- Agregação, Universidade Católica Portuguesa, July 2004
- Docteur en Sciences Economiques, Université Catholique de Louvain and European Doctoral Program, Belgium, September 1987
- Licenciatura in Economics, Universidade Católica Portuguesa, 1980

Current Positions

- Full Professor of Economics, Universidade Católica Portuguesa, June 2008 to present
- President of the Scientific Council of Católica Lisbon School of Business and Economics since October 2015.

Previous positions:

- Director of CEA (Centre for Applied Studies), December 2008 to January 2017.
- Associate Dean for Research of CLSBE, 2012- May2014.
- Director of CUBE- Unidade de Investigação da CLSBE, 2007 - May 2014.
- Associate Professor of Economics, Universidade Católica Portuguesa, April 1998 to May 2008.
- Scientific Coordinator of the Research Unit in Economics and Business of the CLSBE, January 2007 to May 2014 and July 1997 to 2004.
- Assistant Professor of Economics, Universidade Católica Portuguesa, July 1988 – April 1998
- Consultant of the Portuguese Ministry of Finance, 1994-1998.
- Coordinator and head of research of the EC Project "HERMIN-Portugal: A Macro-econometric Model of the Portuguese Economy", 1993-1995.
- Coordinator of the Quantitative Studies Group in the CEA (Centre for Applied Studies), Universidade Católica Portuguesa, 1988-1992.
- Coordinator and head of research of the EC Project "HERMES-Portugal: A Macro-econometric Model of the Portuguese Economy", 1988-1991.

Research:

- **Research Centers:** CUBE, Universidade Católica Portuguesa e IZA Research Fellow.
- **Main research area:** Macroeconomics
- **Other research areas:** Economia do Trabalho

Organisation of International Conferences:

- Organized the conference, “Theories and Methods in Macroeconomics” (T2M) 2017, Universidade Católica Portuguesa, 16-17 March 2017, Lisbon. President of the Scientific Committee and local organizer.
- Organized the 2013 PET - Public Economic Theory Conference, Universidade Católica Portuguesa, 5-7 July 2013, Lisbon. President of the Scientific Committee and local organizer.
- Organized the 2006 ASSET-Southern European Association for Economic Theory-Annual Meeting, Universidade Católica Portuguesa, 2-4 November 2006, Lisbon. President of the Scientific Committee and local organizer.

Awards, Scholarships and Research Grants:

- “Fundação para a Ciência e Tecnologia” Research Grant PTDC/IIMECO/4831/2014 “Endogenous Cycles with Teresa Lloyd Braga and R. dos Santos Ferreira, 2016-2019.
- “Fundação para a Ciência e Tecnologia” Research Grant PTDC/EGEECO/103468/2008, “Market Distortions, Multiple Equilibria and Business Cycles” with Teresa Lloyd Braga, 2009-2013.
- “Fundação para Ciência e Tecnologia” Research Grant, POCTI/EGE/58650/2004, “Market Distortions and Endogenous Fluctuations”, with Teresa Lloyd Braga, 2005-2007.
- Research Grant under the programme “Programa Pessoa - Acções Integradas de Cooperação Científica e Técnica Luso-Francesas 2005-2006” of Ministério da Ciência e do Ensino Superior GRIDES/EGIDE, “Market Distortions and Endogenous Fluctuations”, with Rodolphe dos Santos Ferreira, Frédéric Dufourt, Teresa Lloyd-Braga and Thomas Seegmuller, 2005-2006.
- Research Grant under the programme “Acções Integradas Luso-Francesas 2005” of CRUP/CPU, “Market Distortions and Endogenous Fluctuations”, with Rodolphe dos Santos Ferreira, Frédéric Dufourt, Teresa Lloyd-Braga and Thomas Seegmuller, 2005.
- “Fundação para Ciência e Tecnologia” Research Grant, POCTI/35133/ECO/2000, “Unions, Increasing Returns and Endogenous Fluctuations”, with Teresa Lloyd Braga, 2001-2003.
- Calouste Gulbenkian Foundation Doctoral Scholarship in Economics, 1983-85.
- "Overseas Students Research Award" of the Committee of Vice-Chancellors and Principals of the Universities of the United Kingdom, 1982-83.

Editorial Activities:

- Associate Editor of Economics Bulletin since September 2013.

Participation in International Research Associations:

- President of ASSET “Southern European Association for Economic Theory”, 2009-2011.
- Vice-President of ASSET “Southern European Association for Economic Theory”, 2007-2009.

Some Publications:

- “Can consumption taxes stabilize the economy in the presence of consumption externalities?”, 2017, (with Teresa Lloyd-Braga), in *Sunspots and Non-Linear Dynamics - Essays in Honor of Jean-Michel Grandmont*, eds. Kazuo Nishimura, Alain Venditti, Nicholas C. Yannelis, pp.259-278.
- “Endogenous Credit and Investment Cycles with Asset Price Volatility” 2017, (with Francesco Carli), *Macroeconomic Dynamics*.
- “The destabilizing effects of the social norm to work under a social security system” 2015, (with Rodolphe Dos Santos Ferreira e Teresa Lloyd-Braga), *Mathematical Social Sciences*, 76, 64–72.
- “Market distortions and local indeterminacy: a general approach”, 2014, (with Teresa Lloyd-Braga, and Thomas Seegmuller), *Journal of Economic Theory*, 151, 216-247.
- “Unions, Firing Costs and Unemployment”, 2008, *Labour* 22 (3), 509-546.
- “Tax Rate Variability and Public Spending as Sources of Indeterminacy”, 2008, (with Teresa Lloyd-Braga and Thomas Seegmuller), *Journal of Public Economic Theory*, 10(3), 399-421.
- “Indeterminacy, bifurcations and unemployment fluctuations”, 2008, (with Frédéric Dufourt and Teresa. Lloyd-Braga), *Macroeconomic Dynamics*, Special Issue in “Dynamic Macroeconomic Theory” Vol. 12, Supplement No. 1, 75-89.
- “Endogenous Fluctuations in Unionized Economies with Productive Externalities”, 2005, (with Teresa Lloyd-Braga e Rui Coimbra), *Economic Theory*, Vol. 26, 629-649.
- “Should I Stay or Should I Go? Educational Choices and Earnings: An Empirical Study for Portugal”, 2003, *Journal of Population Economics*, Vol. 16, No 2, 307-322.
- “An Analysis of Labour Adjustment Costs in Unionised Economies”, 2001, (with J. P. Thomas), *Labour Economics*, Vol. 8, No 4, 475-501.
- “Portuguese Banking Sector: A Mixed Oligopoly?”, 1999, (with F. Barros), *International Journal of Industrial Organization*, Vol. 17, No 6, 869-886.
- “Macroeconomic Effects of Reducing Social Security Contribution Rates: the Portuguese Case”, 1997, *Economia*, Vol. XXI, 3-12.
- “The Macroeconomic Effects of CSF 1994-99 in the EU Periphery: an Analysis based on the HERMIN Model”, 1995, (with J. Bradley e J. A. Herce), *Economic Modelling*, Vol. 12, No 3, 323-333.
- “Similarity and Diversity in the EU Periphery: a HERMIN-based Investigation”, 1995, (com J. Bradley e S. Sosvilla-Rivero), *Economic Modelling*, Vol. 12, No 3, 313-322.
- “HERMIN-Portugal”, 1995, (with P. D. Neves), *Economic Modelling*, Vol. 12, No 3, 275-294.
- “HERMIN: A Macroeconometric Modelling Framework for the EU Periphery”, 1995, (com J. Bradley e S. Sosvilla-Rivero), *Economic Modelling*, Vol. 12, No 3, 221-247.
- “Energy Taxation in Southern Europe: The Case of Portugal”, 1993, *Environmental and Resource Economics*, 3, 23-39.
- “Hysteresis and Sluggishness in Portuguese Unemployment: 1977-1988”, 1993, (with J. C. Neves), *International Review of Applied Economics*, Vol. 7, n°2, 197-207.
- “The Inventory Investment Equation: An Empirical Work Using Business Survey Data”, 1992, *International Journal of Production Economics*, 26, 79-88.

Number of shares of PHAROL, SGPS S.A. held:

Does not hold shares of PHAROL, SGPS S.A.