

List of publications, Dr. Marco A. Artavia Oreamuno

February 2019

Artavia, M., Witzke, P. and M. Kesting (2018): "Methane emissions from enteric fermentation in CAPRI: A Technical Documentation on accounting, modelling and reporting", Marco Artavia Independent Economic Consultant, Berlin, Germany and EuroCARE, Bonn, Germany.
https://www.capri-model.org/dokuwiki/lib/exe/fetch.php?media=docu_ch4ent.pdf

Partnership for Market Readiness (PMR) (2015): "Technical report on linking of top-down (CGE-KZ) and bottom-up (TIMES-KZ) models", report in the framework of the World Bank project: "Development of Policy Options for Mid- and Long-term Emissions Pathways and Role of Carbon Pricing", PMR Kazakhstan.

Partnership for Market Readiness (PMR) (2015): "Top-down Modeling and Assessment Report", report in the framework of the World Bank project: "Development of Policy Options for Mid- and Long-term Emissions Pathways and Role of Carbon Pricing", PMR Kazakhstan.

Artavia, M. and P. Opitz (2015): "Non-ETS GHG emissions and economic assessment of the NAP 2016-2020 (2021-2030) proposal: a top-down approach". Policy paper 2 in the framework of the project: "Assistance to the Kazakh Government in the designing of the National Allocation Plan (NAP) for the period 2016-2020". DIW Econ.

PwC, LE and DIW Econ (2015): "Exploring the potential role of human, physical and knowledge capital investments in a smart specialisation context". Revised version of the Draft final report turned in to the European Commission, ERASME.

Artavia, M. and P. Opitz (2015): "Proposal for the National Allocation Plan 2016-2020 for Kazakhstan: a top-down approach". Policy paper 1 in the framework of the project: "Assistance to the Kazakh Government in the designing of the National Allocation Plan (NAP) for the period 2016-2020". DIW Econ.

Artavia, M., Grethe, H. and G. Zimmermann (2015): "Stochastic market Modeling with Gaussian Quadratures: Do Rotations of Stroud's Octahedron Matter." Economic Modelling 45, 155-168.
<http://dx.doi.org/10.1016/j.econmod.2014.10.017>

Artavia, M., Pavel, F. and P. Opitz (2015): "Contribution of the Green Economy Strategy to Achieve the Top-30 Concept Goals and Challenges Ahead". Policy briefing in the framework of the 2014 extension of the project "Integrated Approach for the Development of Climate-Friendly Economies in Central Asia". DIW Econ.

Artavia, M., Rose, J. and F. Pavel (2014): "Policies and Measures to Ensure Increased Efficiency of Water Usage and Water Supply for Growth in Agriculture". Policy briefing in the framework of the 2014 extension of the project "Integrated Approach for the Development of Climate-Friendly Economies in Central Asia". DIW Econ.

Artavia, M. and F. Pavel (2014): "Gasification in Kazakhstan". Policy briefing in the framework of the 2014 extension of the project "Integrated Approach for the Development of Climate-Friendly Economies in Central Asia". DIW Econ.

Pastori, E. Sitran, A., Rosa, C., Bielanska, D., Korzhenevych, A, Artavia, M., and A. Jarvis (2014): "Study on the economic impact of an agreement between the EU and the Republic of Turkey and between the EU and Ukraine". Final report to project financed the European Commission.

Araujo Enciso, S., Blanco, M., Artavia, M., Ramos, F., Fernández, F., Van Doorslaer, B., Fumagalli, D. & Ceglar, A. (2014). Volatility Modelling: long-term challenges and policy implications, Scientific Paper No. 5, Ulysses project, EU 7th Framework Programme, Project 312182 KBBE.2012.1.4-05.

<http://www.fp7-ulysses.eu/>

OECD/FAO (2014): OECD-FAO Agricultural Outlook 2014-2023. OECD Publishing. (Contributing author).

Himics, M., Artavia, M. and S. Helaine (2014): Calibrating the CAPRI and ESIM models to the mid-term commodity market outlook of the European Commission. JRC Scientific and Technical Reports. European Commission.

https://ec.europa.eu/jrc/sites/jrcsh/files/JRC72882_Calibration_report_CAPRI_ESIM.pdf

Artavia M. et al. (2014). Production and crop roots (causes?) of volatility measures including partial stochastic simulations of yields and macroeconomic variables, Scientific Paper n° 2, ULYSSES project, EU 7th Framework Programme, Project 312182 KBBE.2012.1.4-05.

<http://www.fp7-ulysses.eu/>

Artavia M. et al. (2014). Long term drivers of food markets variability and uncertainty, Policy Briefing n° 2, ULYSSES project, EU 7th Framework Programme, Project 312182 KBBE.2012.1.4-05.

<http://www.fp7-ulysses.eu/>

Artavia, M. (2014): Stochastic Multi-Market Modeling with Efficient Quadratures: Does the Rotation of Stroud's Octahedron Matter. Ph.D. Thesis. Humboldt University of Berlin.

<https://edoc.hu-berlin.de/handle/18452/17560>

DG Agri, European Commission (2013): Prospects for Agricultural Markets and Income in the EU 2013-2023. (Contributing author).

OECD/FAO (2013): OECD-FAO Agricultural Outlook 2013-2022. OECD Publishing. (Contributing author).

DG Agri, European Commission (2012): Prospects for Agricultural Markets and Income in the EU 2012-2022. (Contributing author).

Artavia, M. and D. Kirschke (2010): EU East Enlargement and Instability on CEEC Agricultural Markets. Final Report prepared for the "Deutsche Forschungsgemeinschaft" (DFG).

Artavia, M., Deppermann, A., Filler, G., Grethe, H., Häger, A., Kirschke, D., Odening, M. (2010a): Ertrags- und Preisinstabilität auf Agrarmärkten in Deutschland und der EU – Betriebswirtschaftliche und agrarpolitische Implikationen. In: Rentenbank: Auswirkungen der Finanzkrise und volatiler Märkte auf die Agrarwirtschaft. Schriftenreihe der Rentenbank, Band 26: 53-87.

Artavia, M., Deppermann, A., Filler, G., Grethe, H., Häger, A., Kirschke, D., Odening, M. (2010b): Ertrags- und Preisinstabilität auf Agrarmärkten in Deutschland und der EU. Paper presented at the 50th "GeWiSoLa" conference, 29 September – 01 October, Braunschweig.

Winkler, J., Thornsbury, S., Artavia, M., Chmielewski, F., Kirschke, D., Lee, S., Liszewska, M., Loveridge, S., Tan, P., Zhong, S., Andresen, J., Black, R., Kurlus, R., Nizalov, D., Olynk, N., Ustrnul, Z., Zavalloni, C., Bisanz, J., Bujdosó, G., Fusina, L., Hilsendegen, P., Lar, K., Malarzewski, L., Moeller, T., Murmylo, R., Niedzwiedz, T., Nizalova, O., Prawiranata, H., Rothwell, N., van Ravensway, J., von Witzke, H. and M. Woods (2010): A Conceptual Framework for multi-regional climate change assessments for international market systems with long-term investments. In: Climatic Change (DOI 10.1007/s10584-

009-9781-1).

<http://www.springerlink.com/content/4603l101m502k681/fulltext.pdf>

Artavia, M., Möller, T., Grethe, H., Zimmermann, G. (2009): Correlated Order Three Gaussian Quadratures in Stochastic Simulation Modeling. Paper presented at the Twelfth Annual Conference on Global Economic Analysis, 10-12 June, Santiago de Chile.

<https://www.gtap.agecon.purdue.edu/resources/download/4380.pdf>

Artavia, M., Möller, T., Grethe, H. (2008): Including Stochastic Elements in the Model Analysis. Draft Final Deliverable. Paper presented for the project No. AGRI-2007-G4-12: "Study on Modeling Work in the Field of Agriculture – 2", financed by the European Commission.

Artavia, M. (2005): How to Model European Sugar Beet Supply and Market Policies: A Comparative Analysis of two Modeling Efforts. M.Sc. Thesis. Humboldt University of Berlin.

Artavia, M. (2001): Efecto del Sistema Convencional de Producción de Banano sobre la Abundancia y Diversidad de Insectos Voladores en Comparación con dos Sistemas Alternativos. Thesis to obtain the academic degree of "Licenciatura". EARTH University.