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NOMBRE Y APELLIDOS: Alfredo José Mainar Causapé

CUERPO: Profesor Titular de Universidad

UNIVERSIDAD O CENTRO: Universidad de Sevilla

RAMA DE CONOCIMIENTO: Ciencias Sociales y Jurídicas

ÁREA DE CONOCIMIENTO: Economía Aplicada

SEXENIOS (RD 1086/89): 2 (2007-20012 / 2013-2020)

ACTIVIDAD INVESTIGADORA, DE TRANSFERENCIA E INTERCAMBIO DE CONOCIMIENTO:

Artículos (selección)

Ferreira, V.; Pié, L.; Mainar-Causapé, A.; Terceño, A. (2023): "The Bioeconomy in Spain as a New Economic Paradigm: The Role of Key Sectors with Different Approaches". *Environment, Development and Sustainability* (forthcoming). doi.org/10.1007/s10668-022-02830-5

Binfield, J.; Boulanger, P.; Davids, T.; Dudu, H.; Ferrari, E.; Mainar-Causapé, A. (2022): "Trade liberalisation in Kenya: A modelling linkage for wheat and maize". *African Journal of Agricultural and Resource Economics*, 17(1), pp. 1-30.

Ramos, M.P.; Custodio, E.; Jiménez-Calvo, S.; Mainar-Causapé, A.; Boulanger, P.; Ferrari, E. (2022): "Do Agri-food Market Incentives Improve Food Security and Nutrition Indicators? A microsimulation evaluation for Kenya". *Food Security*, 14, pp 209-227. doi: 10.1007/s12571-021-01215-2.

Boulanger, P.; Dudu, H.; Ferrari, E.; Mainar-Causapé, A.; Ramos, M.P. (2022): "Effectiveness of fertilizer policy reforms to enhance food security in Kenya: a macro-microsimulation analysis". *Applied Economics*, 54(8), pp. 841-861. doi: 10.1080/00036846.2020.1808180.

Jiménez, S.; Mainar-Causapé, A.; Ferrari, E. (2021): "Analysis of the Kenyan economy: an input-output approach". *Agrekon*, 60(4), pp. 480-495. doi: 10.1080/03031853.2021.1984957

Osman, R.; Ferrari, E.; Mainar-Causapé, A.; Jiménez, S. (2021): "Can Nile Generate Output, Income and Employment in Egypt? A Mixed Multiplier Analysis". *New Medit*, 20(1), pp. 3-17. doi: 10.30682/nm2101a.

Álvarez-Martínez, M.T.; Mainar-Causapé, A. (2021): "The GHG Emissions Generating Capacity by Productive Sectors in the EU: A SAM Analysis". *Sustainability*, 13(4), 2363, pp. 1-14. doi: 10.3390/su13042363.

Mainar-Causapé, A.; Philippidis, G.; Sanjuán-López, A. (2021): "Constructing an open access economy-wide database for bioeconomy impact assessment in the European Union member states". *Economic Systems Research*, 33(2), pp. 133-156. doi: 10.1080/09535314.2020.1785848.

- Mainar-Causapé, A.; Barrera-Lozano, M.; Fuentes-Saguar, P. (2020): "Quantifying the Economic Cost of Reducing GHG Emissions through Changes in Household Demand: A Linear Multi-Sectoral Approach for European Countries". *Atmosphere*, 11 (5) (545), pp. 1-20. doi:10.3390/atmos11050545
- Mainar-Causapé, A.; Boulanger, P.; Dudu, H.; Ferrari, E. (2020): "Policy impact assessment in developing countries using Social Accounting Matrices: The Kenya SAM 2014". *Review of Development Economics*, 24 (3), pp. 1128-1149. doi:10.1111/rode.12667
- Albornoz-Mendoza, L.; Mainar-Causapé, A. (2019): "Analysis of the social and environmental economic sustainability in the territory of Yucatan (Mexico)". *Papers in Regional Science*, 98 (2), 1215-1238. doi: 10.1111/pirs.12390.
- Fuentes, P.; Mainar-Causapé, A.; Ferrari, E. (2017): "The Role of Bioeconomy Sectors and Natural Resources in EU Economies: A Social Accounting Matrix-Based Analysis Approach". *Sustainability* 9 (12) (2383).
- Duarte, R.; Mainar-Causapé, A.; Sánchez-Chóliz, J. (2017): "Domestic GHG emissions and the responsibility of households in Spain: looking for regional differences". *Applied Economics*, 49 (53), pp. 5397-5411.
- Duarte, R.; Mainar-Causapé, A.; Sánchez-Chóliz, J. (2013): "The role of consumption patterns, demand, and technological factors on the recent evolution of CO₂ emissions in a group of advanced economies". *Ecological Economics*, 96, 1-13. doi: 10.1016/j.ecolecon.2013.09.007.
- Duarte, R.; Mainar-Causapé, A.; Sánchez-Chóliz, J. (2012): "Social Groups and CO₂ Emissions in Spanish Households". *Energy Policy*, 44, 441-450. doi:10.1016/j.enpol.2012.02.020
- Duarte, R.; Mainar-Causapé, A.; Sánchez-Chóliz, J. (2010): "The Impact of Household Consumption Patterns on Emissions in Spain". *Energy Economics*, 32 (1), 176-185. doi: 10.1016/j.eneco.2009.08.007

Technical reports (selección)

- El Meligi, A., Ferreira, V., Mainar Causapé, A., Philippidis, G., Ronzon, T., Ferrari, E; M`barek, R. (2002): "The food system in the wider bioeconomy: the BioSAM perspective", EUR 31107 EN, Publications Office of the European Union, Luxembourg, doi:10.2760/66011, JRC128716.
- Mainar-Causapé, A., G. Philippidis (2021): "BioSAMs 2015. Estimation and basic considerations", Publications Office of the European Union, Luxembourg, doi:10.2760/622777, JRC124810.
- Ramos, M.P.; Custodio, E; Jiménez, S; Mainar-Causapé, A; Boulanger, P; Ferrari, E. (2020): "Assessing market incentive policies in Kenya with a food security and nutrition perspective", EUR 30034 EN, Publications Office of the European Union, Luxembourg, doi:10.2760/925912, JRC119390.
- Mainar-Causapé, A., Ferrari, E.; Mengistu, A.; Woldeyes, F.; Dessie, E.; Ayalew, Z.; Yeshineh, A. (2019): "Ethiopia Social Accounting Matrix 2015/16", EUR 29902 EN, Publications Office of the European Union, Luxembourg, doi:10.2760/974668, JRC118413.
- Mainar-Causapé, A.; Ferrari, E.; McDonald, S. (2018): "Social Accounting Matrices: basic aspects and main steps for estimation", EUR 29297 EN, Publications Office of the European Union, Luxembourg, doi:10.2760/010600, JRC112075.

Mainar-Causapé, A.; Philippidis, G. (2018): "BioSAMs for the EU Member States: Constructing Social Accounting Matrices with a detailed disaggregation of the bio-economy", EUR 29235 EN, Publications Office of the European Union, Luxembourg, doi:10.2760/811691, JRC111812.

Aragie, E; Dudu H.; Ferrari E.; Mainar-Causapé A.; McDonald, S., Thierfelder, K. (2017): "STAGE_DEV A variant of the STAGE model to analyse developing countries", EUR 28627 EN, publications Office of the European Union, Luxembourg. JRC104686.

Mainar-Causapé, A.; Boulanger, P.; Dudu, H.; Ferrari, E.; McDonald, S.; Caivano, A. (2017): "Social Accounting Matrix of Kenya 2014", EUR 29056 EN, Publications Office of the European Union, Luxembourg, doi:10.2760/852198, JRC110385.

Mainar-Causapé A; Philippidis G; Sanjuan López A. (2017): "Analysis of structural patterns in highly disaggregated bioeconomy sectors by EU Member States using SAM/IO multipliers", EUR 28591 EN, Publications Office of the European Union, Luxembourg, JRC106676.

Congresos

Climatic Hazard Economic Impact Analysis: Using a Bio-MRSUT framework. Mainar Causapé, A.J.; Fuentes Saguar, P.; de Schutter, E.; Pradham, P.; Seydewitz T.; Giljum, S. *297th International Input-Output Conference*. Alghero, Italy. 06/2013.

Structural analysis of Bio-economy sectors in the European Union: the BioSAMs. Mainar Causapé, A.J.; Philippidis, G.; Sanjuán-lópez, A.I. *27th International Input-Output Conference*. Glasgow, U.K. 06/2019.

Analysis of a developing economy using linear multi-sectorial models based on a home production for home consumption Social Accounting Matrix: the Kenya case. Mainar Causapé, A.J.; Boulanger, P.; Dudu, H.; Ferrari, E. *24th International Input-Output Conference*. Seoul (South Korea). 07/2016.

An Extended Sam for Egypt (2008/09). Conventional and Mixed Multiplier Analyses. Mainar Causapé, A.J.; McDonald, S.; Ferrari, E.; Osman, R. *VI Jornadas Españolas de Análisis Input Output*. Barcelona (Spain). 09/2015.

Domestic GHG Emissions and Responsibility of Households in Different Spanish Regions. Duarte Pac, R.; Mainar Causapé, A.J.; Sánchez Chóliz, J. *23rd International Input-Output Conference*. Mexico City (Mexico). 06/2015.

Improving the EU Input-Output Database for Global Trade Analysis: the EU-GTAP Project. Rueda Cantuche, J.M.; Saveyn, Bert; Ferrari, Emanuele; De Amores Hernández, A.F.; Revesz, Tamas; Mainar Causapé, A.J.; Montinari, Letizia; Mraz, Marian. *18th GTAP Conference*. Melbourne (Australia). 06/2015.

Disaggregation of Economic Sub-Sectors Based on Optimal Development in the Spanish Economy. Barrera Lozano, M.I.; Mainar Causapé, A.J.; *22nd International Input-Output Conference*. Lisbon (Portugal). 07/2014.

Growth, Employment and Public Spending in the Social Accounting Matrix of The Spanish Economy for 2008. Fuentes Saguar, P.; Mainar Causapé, A.J.; *V Jornadas Españolas de Análisis Input Output*. Seville (Spain). 09/2013.

Análisis de la influencia del sector exterior en el proceso de generación de rentas de la economía española mediante modelos SAM lineales. Mainar Causapé, A.J.; Fuentes Saguar,

P.: Cardenete Flores, M.A. *IV Jornadas Españolas de Análisis Input Output*. Madrid (Spain). 09/2011.

Household Consumption and CO₂ Emissions: The Influence of Technological and Final Demand Factors. Duarte Pac, R.; Mainar Causapé, A.J.; Sánchez Chóliz, J. *19th International Input-Output Conference*. Alexandria, VA (USA). 06/2011.

Proyectos de investigación

UNFCCC C153-22. *Application and further development of tool kit to assess the impacts of implementation of response measures for Maldives*. Main researcher: Scott McDonald UNFCCC – Mitigation Programme.

PCI2019-111936-2. *Construcción de tablas Input-Output bioeconomicas y modelizacion en escala y tiempo" (BIOCLIMATABLES)*. Main researcher: Patricia Fuentes Saguar (UPO). Acciones de programación conjunta Internacional 2019-2, dentro de *Assessing climate-led social-ecological impacts and opportunities for resilient pathways in the EU bioeconomy (BIOCLIMAPATHS)*, AXIS-ERANET 2018.

RTA2017-00046-00-00. *Bioeconomía 2030: Un análisis cuantitativo de las perspectivas a medio plazo en España*. Main researcher: GEORGE PHILIPPIDIS (CENTRO DE INVESTIGACIÓN Y TECNOLOGÍA AGROALIMENTARIA DE ARAGÓN). From 01-01-2018 to 31-12-2021. Amount: 48.087,00 €.

ECO2016-74940-P. *MODELOS MULTIRREGIONALES Y DINÁMICOS APLICADOS AL CRECIMIENTO ECONÓMICO, AL CAMBIO TECNOLÓGICO Y AL MEDIO AMBIENTE (MODCREMA)*. Main researcher: JULIO SÁNCHEZ CHÓLIZ (UNIVERSIDAD DE ZARAGOZA) / ROSA DUARTE PAC (UNIVERSIDAD DE ZARAGOZA). From 01-01-2016 to 31-12-2018. Amount: 33.000,00 €.

ECO2013-41353-P. *CRECIMIENTO ECONOMICO, CAMBIO ESTRUCTURAL Y RECURSOS NATURALES*. MINISTERIO DE CIENCIA E INNOVACIÓN. Main researcher: JULIO SÁNCHEZ CHÓLIZ (UNIVERSIDAD DE ZARAGOZA) / ROSA DUARTE PAC (UNIVERSIDAD DE ZARAGOZA). From 01-01-2014 to 31-12-2016. Amount: 34.848,00 €.

ECO2010-14929. *RECURSOS NATURALES, CAMBIO ESTRUCTURAL Y CRECIMIENTO ECONÓMICO*. MINISTERIO DE CIENCIA E INNOVACIÓN. Main researcher: JULIO SÁNCHEZ CHÓLIZ (UNIVERSIDAD DE ZARAGOZA). From 2010 to 2013. Amount: 71.269 €

JRC-SVQ-2012-J04-47-AMI-RC. *MODELLING RURAL ECONOMIES (MORE). SPATIAL POLICY IMPACT ANALYSIS OF RURAL DEVELOPMENT IN NUTS 3 REGIONS*. Entidad financiadora: COMISIÓN EUROPEA (JRC-IPTS) Main researcher: M. CARMEN LIMA DÍAZ (UNIVERSIDAD PABLO DE OLAVIDE). From 2012 to 2014.

MODELOS ECONÓMICO-AMBIENTALES PARA LA COMUNIDAD ARAGONESA. FORMULACIÓN DE ESCENARIOS DE CAMBIO TECNOLÓGICO, CORRESPONSABILIDAD AMBIENTAL Y ESTRATEGIAS DE REDUCCIÓN DE LOS IMPACTOS ATMOSFÉRICOS SOBRE EL MEDIO HÍDRICO. GOBIERNO DE ARAGÓN Y LA CAIXA. Main researcher: ROSA DUARTE PAC (UNIVERSIDAD DE ZARAGOZA). From 01-10-2009 to: 30-09-2011. Amount: 27.000 €

ACTIVIDAD DOCENTE:

1999-2010	Profesor Asociado	Universidad de Zaragoza
2010-2010	Profesor Visitante	Universidad Pablo de Olavide
2010-2012	Profesor Ayudante Doctor	Universidad de Sevilla
2012-2014	Profesor Contratado Doctor	Universidad de Sevilla
2020-2021	Profesor Contratado Doctor	Universidad de Sevilla
2021-	Profesor Titular de Universidad	Universidad de Sevilla

EXPERIENCIA PROFESIONAL:**European Commission, Joint Research Centre (JRC) (Seville, Spain)**

Directorate for Sustainable Resources, Economics of Agriculture Unit
Abril 2014 - Abril 2020 Research Fellow / Scientific Officer

Economista / Consultor de mercados (profesional independiente)

Enero 2007 – Septiembre 2010

AC Consultores (Zaragoza, España)

Febrero 2001 – Septiembre 2010 Consultor / Investigador de mercados / Economista

IMSO / IB Consulting (Zaragoza, España)

Abril 1996 – Septiembre 2001 Consultor / Investigador de mercados / Economista

OTROS MÉRITOS:

GTAP Team Award 2017 - For collaborating on the incorporation of the 28 EU I-O tables for the GTAP Data Base. (Team: J.M. Rueda-Cantuche, T. Revesz, A. Amores, A. Velázquez, M. Mraz, E. Ferrari, A. Mainar, L. Montinari, B. Saveyn).