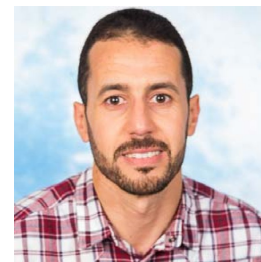


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Research interests

I am an applied economist with a specialisation in behavioural economics, food marketing and econometrics. My research aims to further the understanding of individuals' behaviour and its determining factors and how policy can best make use of this understanding to promote more sustainable and healthier food production and consumption. Whereas some of this work encompasses qualitative methods, the main thrust has been towards quantitative modelling, such as choice and econometric modelling.

Projects

Current:

2020-2022: GCRF- Academy of Medical Sciences, "Improving access to nutritious and sustainable food products in Nepal".

2021-2026: USDA-NIF, "Understanding Precision Livestock Farming Adoption in the U.S. Swine Industry".

2021: Department for Environment Food & Rural Affairs (Defra), "Methane-Inhibiting Livestock Feed Supplements: Review of Net Impacts, Barriers to Success And Consumer Acceptance".

2017-2021: European Commission - Horizon 2020 research and innovation programme, "Transition Paths To Sustainable Legume Based Systems In Europe".

2016-2022: The Scottish Government - RESAS Strategic Research Programme, Theme 3 - "Food and Health".

Previous (last five years):

2020-2021: Scottish Government, "Economic modelling: reducing health harms of foods high in fat, sugar or salt".

2019-2021: Department for Environment Food & Rural Affairs (Defra), "Low Atmospheric Pressure Stunning (LAPS) in pigs: a humane alternative to carbon dioxide".

2018-2019: Scottish Government, "The Impact Of Mandatory Written Dairy Contracts In European Countries And Their Potential Application In Scotland".

2017-2019: European Commission, "Understanding consumer behaviour to encourage a (more) sustainable food choice".

Research outputs (Peer-reviewed publications)

1. Gishuyia, C, Mtimet, N, Fèvre, E, Thomas, L, Gathura, P, Orungo Onono, J & Akaichi, F 2024, 'Consumer preferences, and willingness to pay for safe pork products in rural Kenya', *Meat Science*, vol. 211, 109450. <https://doi.org/10.1016/j.meatsci.2024.109450>
2. Missaoui, S, Rahmani, D, Thabet, C, Feás, J, Gíl, JM & Akaichi, F 2023, 'Assessment of social demand for environmental and cultural heritage preservation: evidence from a discrete choice experiment in Tunisia', *Frontiers in Environmental Economics*, vol. 2, 234249. <https://doi.org/10.3389/frevc.2023.1234249>
3. Akinyemi, B, Akaichi, F, Siegford, J & Turner, SP 2023, 'US Swine Industry Stakeholder Perceptions of Precision Livestock Farming Technology: A Q-Methodology Study', *Animals*, vol. 13, no. 18, 2930. <https://doi.org/10.3390/ani13182930>
4. Akinyemi, B, Vigors, B, Turner, SP, Akaichi, F, Benjamin, M, Johnson, A, Pairis-Garcia, M, Rozeboom, D, Steibel, J, Thompson, D, Zangaro, C & Siegford, J 2023, 'Precision livestock farming: A qualitative exploration of swine industry stakeholders', *Frontiers in Animal Science*, vol. 4, 1150528. <https://doi.org/10.3389/fanim.2023.1150528>

5. Revoredo-Giha, C, McNamee, P, Aberdeen, P, Akaichi, F & Dogbe, W 2022, 'Expenditure and nutritional impact of restricting the promotion of foods high in fat, sugar and salt in Scotland', *Frontiers in Nutrition*, vol. 9, 874018. <https://doi.org/10.3389/fnut.2022.874018>
6. Akaichi, F, Glenk, K & Revoredo-Giha, C 2022, 'Bundling Food Labels: What Role Could the Labels "Organic", "Local" and "Low Fat" Play in Fostering the Demand for Animal-Friendly Meat', *Agribusiness*, vol. 38, no. 2, pp. 349-370. <https://doi.org/10.1002/agr.21733>
7. Revoredo-Giha, C, Toma, L, Akaichi, F & Dawson, IK 2022, 'Exploring the effects of increasing underutilized crops on consumers' diets: The case of millet in Uganda', *Agricultural and Food Economics*, vol. 10, 1. <https://doi.org/10.1186/s40100-021-00206-3>
8. Peden, R & Akaichi, F 2021, Applying economic models to assess the viability of animal welfare interventions. in I Camerlink (ed.), *Bridging Research Disciplines to Advance Animal Welfare Science: A Practical Guide*. CAB International, pp. 107-124.
9. Peden, RSE, Turner, SP, Camerlink, I & Akaichi, F 2021, 'An estimation of the financial consequences of reducing pig aggression', *PLoS ONE*, vol. 16, no. 5, e0250556. <https://doi.org/10.1371/journal.pone.0250556>
10. Revoredo-Giha, C, Toma, L & Akaichi, F 2020, 'An Analysis of the Tax Incidence of VAT to Milk in Malawi', *Sustainability*, vol. 12, no. 19, 8003, pp. 1-17. <https://doi.org/10.3390/su12198003>
11. Akaichi, F & Revoredo-Giha, C 2020, Consumer Demand for Animal Welfare Products. in B Vosough Ahmadi, D Moran & RB D'Eath (eds), *The Economics of Farm Animal Welfare: Theory, Evidence and Policy*. CAB International, Wallingford, UK. <https://doi.org/10.1079/9781786392312.0000>
12. Vasconcelos, M, Grusak, M, Pinto, E, Gomes, A, Ferreira, H, Balazs, B, Centofanti, T, Ntatsi, G, Savvas, D, Karkanis, A, Williams, M, Vandenberg, A, Toma, L, Shrestha, S, Akaichi, F, Barrios, CO, Gruber, S, James, EK, Maluk, M, Karley, A & Iannetta, P 2020, The Biology of Legumes and Their Agronomic, Economic, and Social Impact: Economic impact of legume. in M Hasanuzzaman, S Arujo & SS Gill (eds), *The Plant Family Fabaceae : Biology and Physiological Responses to Environmental Stresses*. Springer, Singapore, pp. 3-25. <https://doi.org/10.1007/978-981-15-4752-2>
13. Hamed Al Ruqishi, B, Gibreel, T, Akaichi, F, Zaibet, L & Zekri a, S 2020, 'Contractual agriculture: better partnerships between small farmers and the business sector in the sultanate of Oman', *Asian Journal of Agriculture and Rural Development*, vol. 10, no. 1, pp. 321-335. <https://doi.org/10.18488/journal.1005/2020.10.1/1005.1.321.335>
14. Akaichi, F, Costa-Font, J & Frank, R 2020, 'Uninsured by choice? A choice experiment on long term care insurance', *Journal of Economic Behavior and Organization*, vol. 173, pp. 422-434. <https://doi.org/10.1016/j.jebo.2019.07.012>
15. Peden, RSE, Camerlink, I, Boyle, LA, Loughnan, S, Akaichi, F & Turner, SP 2020, 'Belief in pigs' capacity to suffer: an assessment of pig farmers, veterinarians, students and citizens', *Anthrozoös*, vol. 33, no. 1, pp. 21-36. <https://doi.org/10.1080/08927936.2020.1694304>
16. Akaichi, F, Revoredo-Giha, C, Glenk, K & Gil, JM 2020, 'How Consumers in the UK and Spain Value the Coexistence of the Claims Low Fat, Local, Organic and Low Greenhouse Gas Emissions', *Nutrients*, vol. 12, no. 1, 120. <https://doi.org/10.3390/nu12010120>
17. Revoredo-Giha, C, Akaichi, F & Chalmers, N 2019, 'Trading on food quality due to changes in prices: Are there any nutritional effects?', *Nutrients*, vol. 12, no. 1, 23. <https://doi.org/10.3390/nu12010023>
18. Revoredo-Giha, C, Clayton, P, Costa-Font, M, Agra-Lorenzo, FAL & Akaichi, F 2019, *The impact of mandatory written dairy contracts in European countries and their potential application in Scotland*. Social Research series, Scottish Government Social Research.
19. Peden, RSE, Akaichi, F, Camerlink, I, Boyle, L & Turner, SP 2019, 'Pig farmers' willingness to pay for management strategies to reduce aggression between pigs', *PLoS ONE*, vol. 14, no. 11, e0224924. <https://doi.org/10.1371/journal.pone.0224924>
20. Glenk, K, Meyerhoff, J, Akaichi, F & Martin-Ortega, J 2019, 'Revisiting cost vector effects in discrete choice experiments', *Resource and Energy Economics*, vol. 57, pp. 135-155. <https://doi.org/10.1016/j.reseneeco.2019.05.001>
21. Wainwright, W, Glenk, K, Akaichi, F & Moran, D 2019, 'Conservation contracts for supplying Farm Animal Genetic Resources (FAnGR) conservation services in Romania', *Livestock Science*, vol. 224, pp. 1-9. <https://doi.org/10.1016/j.livsci.2019.03.016>
22. Yangui, A, Akaichi, F, Costa-Font, M & Maria, GJ 2019, 'Comparing results of ranking conjoint analyses, best worst scaling, and discrete choice experiments in a non-hypothetical context ', *Australian Journal of Agricultural and Resource Economics*, vol. 63, no. 2, pp. 221-246. <https://doi.org/10.1111/1467-8489.12292>
23. Akaichi, F, Glenk, K & Revoredo-Giha, C 2019, 'Could animal welfare claims and nutritional information boost the demand for organic meat? Evidence from non-hypothetical experimental auctions', *Journal of Cleaner Production*, vol. 207, pp. 961 - 970. <https://doi.org/10.1016/j.jclepro.2018.10.064>

24. Peden, RSE, Camerlink, I, Boyle, LA, Akaichi, F & Turner, SP 2019, 'Farmer perceptions of pig aggression compared to animal-based measures of fight outcome', *Animals*, vol. 9, no. 1, 22, pp. 22 - 37. <https://doi.org/10.3390/ani9010022>
25. Peden, RSE, Akaichi, F, Camerlink, I, Boyle, LA & Turner, SP 2018, 'Factors influencing farmer willingness to reduce aggression between pigs', *Animals*, vol. 9, no. 1, pp. 6-24. <https://doi.org/10.3390/ani9010006>
26. Revoredo-Giha, C, Akaichi, F & Leat, PMK 2018, 'Retailers' promotions: What role do they play in household food purchases by degree of deprivation?', *British Food Journal*, vol. 120, no. 5, pp. 1028 - 1045. <https://doi.org/10.1108/BFJ-04-2017-0260>
27. Revoredo-Giha, C, Chalmers, N & Akaichi, F 2018, 'Simulating the impact of carbon taxes on greenhouse gas emission and nutrition in the UK', *Sustainability*, vol. 10, no. 1, pp. 134 - 152. <https://doi.org/10.3390/su10010134>
28. Akaichi, F, Nayga, RMJ & Nalley, LL 2017, 'Are there trade-offs in valuation with respect to greenhouse gas emissions, origin and food miles attributes?', *European Review of Agricultural Economics*, vol. 44, no. 1, pp. 3 - 31. <https://doi.org/10.1093/erae/jbw008>
29. Akaichi, F, de Grauw, S, Darmon, P & Revoredo-Giha, C 2016, 'Does fair trade compete with carbon footprint and organic attributes in the eyes of consumers? Results from a pilot study in Scotland, the Netherlands and France', *Journal of Agricultural and Environmental Ethics*, vol. 29, no. 6, pp. 969 - 984. <https://doi.org/10.1007/s10806-016-9642-7>
30. Akaichi, F & Revoredo-Giha, C 2016, 'Consumers demand for products with animal welfare attributes: evidence from Homescan data for Scotland', *British Food Journal*, vol. 118, no. 7, pp. 1682 - 1711. <https://doi.org/10.1108/BFJ-09-2015-0321>
31. de Magistris, T, Akaichi, F & Ben Youssef, K 2016, 'Testing the effectiveness of oath script in reducing hypothetical bias in Contingent Valuation Method', *Agricultural Economics - Czech*, vol. 62, pp. 378 - 384. <https://doi.org/10.17221/174/2015-AGRICECON>
32. Revoredo-Giha, C, Akaichi, F & Leat, PMK 2015, Retailers' Promotions: What Role Do They Play in Household Food Purchases by Degree of Food Access in Scotland? in *Retailers' Promotions: What Role Do They Play in Household Food Purchases by Degree of Food Access in Scotland?*. European Association of Agricultural Economists (EAAE). <https://doi.org/10.22004/ag.econ.229275>
33. Akaichi, F, Nayga Jr., RM & Gil, JM 2015, 'Effect of price-discount distribution in multi-unit price promotions on consumers' willingness to pay, sales value, and retailers' revenue', *Agribusiness*, vol. 31, no. 1, pp. 14 - 32. <https://doi.org/10.1002/agr.21389>
34. Brown, CJ & Akaichi, F 2015, 'Vitamin D deficiency and posterior subcapsular cataract', *Clinical Ophthalmology*, vol. 9, pp. 1093 - 1098. <https://doi.org/10.2147/OPHTH.S84790>
35. Seppa, L, Latvala, T, Akaichi, F, Gil, JM & Tuorila, H 2015, 'What are domestic apples worth? Hedonic response and sensory information as drivers of willingness to pay', *Food Quality and Preference*, vol. 43, pp. 97 - 105. <https://doi.org/10.1016/j.foodqual.2015.02.013>
36. Akaichi, F, Nayga Jr., RM & Gil, JM 2014, 'Demand reduction in multi-unit auctions with varying number of bidders and units', *Economics Letters*, vol. 124, no. 3, pp. 443 - 445. <https://doi.org/10.1016/j.econlet.2014.07.006>
37. Akaichi, F & Revoredo-Giha, C 2014, 'The demand for dairy products in Malawi', *African Journal of Agricultural and Resource Economics*, vol. 9, no. 3, pp. 214 - 225. <https://doi.org/10.22004/ag.econ.183894>
38. Akaichi, F, Nayga, RM & Gil, JM 2013, 'Are results from non-hypothetical choice-based conjoint analysis and non-hypothetical recoded-ranking conjoint analyses similar?', *American Journal of Agricultural Economics*, vol. 95, no. 4, pp. 1 - 15. <https://doi.org/10.1093/ajae/aat013>
39. Akaichi, F, Nayga, RM & Gil, JM 2012, 'Assessing consumers' willingness to pay for different units of organic milk: evidence from multi-unit auctions', *Canadian Journal of Agricultural Economics*, vol. 60, no. 4, pp. 469 - 494. <https://doi.org/10.1111/j.1744-7976.2012.01254.x>
40. Lawless, L, Nayga, R, Akaichi, F, Meullenet, J-F, Therlfall, R & Howard, L 2012, 'Willingness-to-Pay for a Nutraceutical-Rich Juice Blend', *Journal of Sensory Studies*, vol. 27, no. 5, pp. 375-383.
41. Akaichi, F, Maria, GJ & Nayga, R 2012, 'Assessing the Market Potential for Local Food Product: Evidence from a Non-Hypothetical Economic Experiment', *British Food Journal*, vol. 114, no. 1, pp. 19-39.
42. Akaichi, F, Nayga, RM & Gil, JM 2012, 'Initial endowment effects in multi-unit Vickery auctions', *Advances in Management Applied Economics*, vol. 2, no. 4, pp. 41 - 55. http://www.scienpress.com/journal_focus.asp?main_id=55&Sub_id=IV&Issue=402
43. Akaichi, F, Nayga, R & Maria, GJ 2011, 'On the Use of Multi-Unit Auctions in Measuring Consumers' Willingness to Pay for Food Products', *Advances in Consumer Research*, vol. 39, pp. 311.
44. Akaichi, F, Maria, GJ & Nayga, R 2011, 'A Note on Bid Affiliation in Repeated Random Nth Price Auction', *Spanish Journal of Agricultural Research*, vol. 9, no. 1, pp. 22-27.