
Supplementary information

A scoping review of market links between value chain actors and small-scale producers in developing regions

In the format provided by the
authors and unedited

Evidence Synthesis:

Market links between value chain actors and small-scale producers in developing regions

—Supplementary Information—

Supplementary Methods

Search Strategy for CAB Abstracts (Clarivate Analytics)

Row # Search string

1. TS=("smallhold*" OR "small hold*" OR "small farm*" OR "microfarm*" OR "micro-farm*" OR "family-managed farm*" OR "family-run farm*" OR "family-owned farm*" OR "family farm*" OR "pastoral*" OR "agropastoral" OR "agro-pastoral" OR "ejido" OR "silvopastoral")
2. TS=((("small-scale" OR "smallscale" OR "low-income" OR "poor-income" OR "subsistence" OR "semi-subsistence" OR "resource-poor" OR "resource-limited" OR "small-size*" OR "low-income" OR "peasant*" OR "village*" OR "household*") NEAR/3 ("farm*" OR "agriculture" OR "producer*" OR "grower*" OR "agronomy" OR "husbandry" OR "aquaculture" OR "floriculture" OR "horticulture")))
3. #1 OR #2
4. TS=((("developing" OR "less-developed" OR "underdeveloped" OR "under-developed" OR "middle-income" OR "low-income" OR "underserved" OR "under-served" OR "deprived" OR "poor") NEAR/2 ("countr*" OR "nation*" OR "population*" OR "world")))
5. TS=((("developing" OR "less-developed" OR "less developed" OR "underdeveloped" OR "under-developed" OR "low gdp" OR "low gnp" OR "low gross domestic" OR "low gross national") NEAR/2 ("economy" OR "economies")))
6. TS=("lmic" OR "lmics" OR "third-world" OR "lami country" OR "lami countries" OR "transitional country" OR "transitional countries")
7. TS=("American Samoa" OR "China" OR "Chinese" OR "Fiji" OR "Micronesia*" OR "Indonesia*" OR "Cambodia*" OR "Kiribati" OR "Lao PDR" OR "Marshall Islands" OR "Myanmar" OR "Mongolia*" OR "Malaysia*" OR "Nauru" OR "Philippines" OR "Papua New Guinea" OR "North Korea*" OR "Solomon Islands" OR "Thailand" OR "Timor-Leste" OR "Tonga*" OR "Tuvalu" OR "Vietnam*" OR "Vanuatu" OR "Samoa*" OR "Belize" OR "Bolivia*" OR "Brazil*" OR "Brasil*" OR "Colombia*" OR "Costa Rica*" OR "Cuba*" OR "Dominica*" OR "Ecuador*" OR "Grenada" OR "Guatemala*" OR "Guyana*" OR "Hondura*" OR "Haiti*" OR "Jamaica*" OR "St. Lucia" OR "Mexico" OR "Mexican" OR "Nicaragua*" OR "Peru*" OR "Paraguay" OR "El Salvador*" OR "Suriname" OR "St. Vincent and the Grenadines" OR "Venezuela*" OR "Djibouti" OR "Algeria*" OR "Egypt*" OR "Iran*" OR "Iraq*" OR "Jordan*" OR "Lebanon" OR "Lebanese" OR "Libya*" OR "Morocco" OR "Moroccan" OR "West Bank" OR "Gaza")

OR "Syria*" OR "Tunisia*" OR "Yemen" OR "Angola*" OR "Burundi*" OR "Benin"
 OR "Burkina Faso" OR "Burkina Fasso" OR "Botswana" OR "Central African Republic"
 OR "Cote d'Ivoire" OR "Ivory Coast" OR "Cameroon*" OR "Congo*" OR "Comoros"
 OR "Cape Verde" OR "Cabo Verde" OR "Eritrea*" OR "Ethiopia*" OR "Gabon*" OR
 "Ghana*" OR "Guinea" OR "Gambia*" OR "Guinea-Bissau" OR "Kenya*" OR
 "Liberia*" OR "Lesotho" OR "Madagascar" OR "Mali" OR "Mozambique" OR
 "Mozambican" OR "Mauritania*" OR "Mauritius" OR "Malawi*" OR "Namibia*" OR
 "Niger" OR "Nigerien" OR "Nigeria*" OR "Rwand*" OR "Sudan*" OR "Senegal*" OR
 "Sierra Leone" OR "Somalia*" OR "Sao Tome and Principe" OR "Swaziland" OR
 "Eswatini" OR "Chad" OR "Togo*" OR "Tanzania*" OR "Uganda*" OR "South Africa*" OR
 "Zambia*" OR "Zimbabwe*" OR "Albania*" OR "Armenia*" OR "Azerbaijan" OR
 "Belarus*" OR "Bosnia*" OR "Herzegovnia" OR "Bulgaria*" OR "Georgia*" OR
 "Kazakhstan" OR "Kosovo" OR "Kyrgyz Republic" OR "Macedonia*" OR "Moldova*" OR
 "Montenegro" OR "Romania*" OR "Russia*" OR "Serbia*" OR "Tajikistan" OR
 "Turkey" OR "Turkish" OR "Turkmenistan" OR "Ukraine*" OR "Uzbekistan" OR
 "Afghan*" OR "Bangladesh" OR "Bhutan" OR "India*" OR "Maldives" OR "Nepal*" OR
 "Pakistan*" OR "Sri Lanka*")

8. AD=("American Samoa" OR "China" OR "Chinese" OR "Fiji" OR "Micronesia*" OR
 "Indonesia*" OR "Cambodia*" OR "Kiribati" OR "Lao PDR" OR "Marshall Islands" OR
 "Myanmar" OR "Mongolia*" OR "Malaysia*" OR "Nauru" OR "Philippines" OR "Papua
 New Guinea" OR "North Korea*" OR "Solomon Islands" OR "Thailand" OR "Timor-
 Leste" OR "Tonga*" OR "Tuvalu" OR "Vietnam*" OR "Vanuatu" OR "Samoa*" OR
 "Belize" OR "Bolivia*" OR "Brazil*" OR "Brasil*" OR "Colombia*" OR "Costa Rica*" OR
 "Cuba*" OR "Dominica*" OR "Ecuador*" OR "Grenada" OR "Guatemala*" OR
 "Guyana*" OR "Hondura*" OR "Haiti*" OR "Jamaica*" OR "St. Lucia" OR "Mexico"
 OR "Mexican" OR "Nicaragua*" OR "Peru*" OR "Paraguay" OR "El Salvador*" OR
 "Suriname" OR "St. Vincent and the Grenadines" OR "Venezuela*" OR "Djibouti" OR
 "Algeria*" OR "Egypt*" OR "Iran*" OR "Iraq*" OR "Jordan*" OR "Lebanon" OR
 "Lebanese" OR "Libya*" OR "Morocco" OR "Moroccan" OR "West Bank" OR "Gaza"
 OR "Syria*" OR "Tunisia*" OR "Yemen" OR "Angola*" OR "Burundi*" OR "Benin"
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 OR "Cote d'Ivoire" OR "Ivory Coast" OR "Cameroon*" OR "Congo*" OR "Comoros"
 OR "Cape Verde" OR "Cabo Verde" OR "Eritrea*" OR "Ethiopia*" OR "Gabon*" OR
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 "Liberia*" OR "Lesotho" OR "Madagascar" OR "Mali" OR "Mozambique" OR
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 "Eswatini" OR "Chad" OR "Togo*" OR "Tanzania*" OR "Uganda*" OR "South Africa*" OR
 "Zambia*" OR "Zimbabwe*" OR "Albania*" OR "Armenia*" OR "Azerbaijan" OR
 "Belarus*" OR "Bosnia*" OR "Herzegovnia" OR "Bulgaria*" OR "Georgia*" OR
 "Kazakhstan" OR "Kosovo" OR "Kyrgyz Republic" OR "Macedonia*" OR "Moldova*" OR
 "Montenegro" OR "Romania*" OR "Russia*" OR "Serbia*" OR "Tajikistan" OR

"Turkey" OR "Turkish" OR "Turkmenistan" OR "Ukraine*" OR "Uzbekistan" OR "Afghan*" OR "Bangladesh" OR "Bhutan" OR "India*" OR "Maldives" OR "Nepal*" OR "Pakistan*" OR "Sri Lanka*")

9. #4 OR #5 OR #6 OR #7 OR #8

10.. TS=("trader*" OR "processor*" OR "agro-exporter*" OR "agroexporter*" OR "dealer*" OR "agro-dealer*" OR "agrodealer*" OR "wholesaler*" OR "miller*" OR "village merchant*" OR "commission agent*" OR "broker*" OR "retailer*" OR "aggregator*" OR "buyer*" OR "trading firm*" OR "farm-firm*" OR "tender*" OR "service provider*" OR "trucker*" OR "transporter*" OR "logistics enterprise*" OR "third-party logistics" OR "freight forwarder*" OR "small enterprise*" OR "rural enterprise*" OR "micro-enterprise*" OR "microenterprise*" OR "food manufacturer*" OR "packager*" OR "distributor*" OR "warehous*" OR "cold storage" OR "intermediary" OR "intermediaries" OR "middle-man" OR "middle-men")

11. TS = (("crop" OR "crops" OR "food" OR "produce" OR "agri-product*" OR "agro-food" OR "tuber*" OR "root crop*" OR "barley" OR "oat*" OR "rye" OR "wheat" OR "arrowroot" OR "artichoke*" OR "banana*" OR "yam*" OR "breadfruit" OR "chickpea*" OR "lentil*" OR "pea*" OR "bean*" OR "potato*" OR "cassava*" OR "millet" OR "rice" OR "amaranth" OR "paddy" OR "maize" OR "sorghum" OR "corn" OR "cashew*" OR "meat" OR "fish" OR "vegetable*" OR "chicken" OR "turkey" OR "duck" OR "fruit" OR "staple crop*" OR "cash crop*" OR "rubber" OR "plantain*" OR "sugarcane" OR "timber" OR "cotton" OR "coffee" OR "tea" OR "bean*" OR "legume*" OR "spice*" OR "livestock" OR "pork" OR "poultry" OR "shrimp" OR "cattle" OR "cow*" OR "beef" OR "pig*" OR "goat*" OR "sheep" OR "milk" OR "dairy" OR "tomato*" OR "carrot*" OR "onion*" OR "cauliflower" OR "grain*" OR "cereal" OR "soybean*" OR "peanut*" OR "oilseed*" OR "citrus" OR "fodder" OR "hay" OR "silage" OR "forage" OR "palm" OR "melon*" OR "avocado*" OR "flower*" OR "pulse*" OR "ground nut*" OR "egg*" OR "strawberr*" OR "currant*" OR "*berry" OR "*berries" OR "mango*" OR "guava*" OR "papaya*" OR "pawpaw" OR "paw-paw" OR "orange*" OR "lemon*" OR "spinach" OR "lettuce" OR "mushroom*" OR "pepper*" OR "microgreen*") NEAR/3 ("processing" OR "packaging" OR "trade" OR "trading" OR "retail*" OR "transport*" OR "distribution" OR "storage" OR "storing" OR "branding"))

12. TS = ("fast food" OR "restaurant*" OR "food away from home" OR "supermarket*" OR "grocery store*" OR "food retail*" OR "retail food" OR "food vendor*" OR "street vendor*" OR "street stall*" OR "retail compan*" OR "convenience store*" OR "food market*" OR "chain food store" OR "supercenter*" OR "supercentre*" OR "corner store*" OR "bazaar*" OR "caterer*" OR "direct sale*" OR "farm gate" OR "farmgate" OR "shop" OR "shops")

13. #10 OR #11 OR #12

14. TS=("input*" OR "agroinput*" OR "agro-input*" OR "pesticide*" OR "manure" OR "compost" OR "soil amendment*" OR "fertiliser*" OR "fertilizer*" OR "seed*" OR

- "herbicide*" OR "feed" OR "roughage" OR "feedstuff*" OR "hay" OR "silage" OR "fodder" OR "forage" OR "antibiotics" OR "anti-biotics" OR "vaccine" OR "vaccination" OR "fungicide*" OR "organic matter" OR "greenhouse*" OR "green-house*" OR "agrochemical*" OR "agro-chemical*" OR "chemical*" OR "insecticide*" OR "diammonium phosphate" OR "DAP" OR "NPK" OR "potash" OR "lime") NEAR/3 ("firm" OR "firms" OR "business*" OR "company" OR "companies" OR "trade" OR "trading" OR "transport*" OR "storage" OR "storing" OR "supplier*" OR "service*" OR "provider*"))
15. TS= ("land-clearing" OR "spray*" OR "land preparation" OR "soil preparation" OR "tractor*" OR "irrigation" OR "pest control" OR "cultivation" OR "reaping" OR "threshing" OR "harvesting" OR "harvester" OR "combine" OR "pond excavat*" OR "laser level*" OR "equipment" OR "farm machinery" OR "plough" OR "erosion control*" OR "weed control*") NEAR/3 ("service*" OR "hire*" OR "supplier*" OR "rent*" OR "lease*" OR "leasing" OR "business*" OR "company" OR "companies" OR "provider*"))
 16. TS= ("veterinar*" OR "insemination") NEAR/3 ("service*" OR "provider*" OR "business*" OR "company" OR "companies*"))
 17. TS= ("food safety" OR "sanitary" OR "phytosanitary" OR "HACCP" OR "HARCP" OR "hazard analysis") NEAR/3 ("consult*" OR "inspect*" OR "monitor*" OR "testing"))
 18. TS= ("outsourcing") NEAR/3 ("agricultural production" OR "service*"))
 19. #14 OR #15 OR #16 OR #17 OR #18
 20. TS = ("value-add*" OR "value-chain*" OR "market modernization" OR "market modernisation" OR "modern market*" OR "innovative marketing channel*" OR "new marketing channel*" OR "modern commercialization channel*" OR "modern commercialisation channel*" OR "high-value chain*" OR "high-value market*" OR "agrifood transformation*" OR "agri-food transformation*" OR "agrifood system*" OR "agri-food system*" OR "supply chain*" OR "agrifood chain*" OR "agri-food chain*" OR "food industry" OR "food sector" OR "food system" OR "e-commerce" OR "cold chain" OR "wholesale market" OR "market reform*" OR "market linkage*"))
 21. TS= ("vertical") NEAR/2 ("integration" OR "coordination" OR "linkage*"))
 22. #20 OR #21
 23. TS = ("procurement" OR "school feeding" OR "minimum support price" OR "price support" OR "institutional demand" OR "marketing board*" OR "marketing organisation*" OR "marketing organization*"))
 24. TS = ("parastatal*" OR "food agenc*" OR "government agenc*" OR "food reserve agenc*" OR "national cereal and produce board" OR "government program*") AND ("market*" OR "exchang*"))

25. TS = (("farmers association*" OR "farm association*" OR "farmer's association*" OR "farmers' association*" OR "cooperative*" OR "producers association*" OR "producer's association*" OR "producers' association*" OR "farmer group*" OR "savings and credit cooperative*" OR "farmer collective*" OR "agro-cluster*" OR "cluster farm*" OR "group farming" OR "farmer's organization*" OR "farmers organization*" OR "farmers' organization*" OR "farmer's organisation*" OR "farmers organisation*" OR "farmers' organisation*") AND ("market*" OR "exchange*" OR "logistic*" OR "service*" OR "processing" OR "processor*" OR "packaging" OR "trader" OR "trading" OR "retail*" OR "transport*" OR "distribution" OR "storage" OR "storing" OR "branding" OR "firm" OR "firms" OR "business*" OR "company" OR "companies" OR "supplier*" OR "provider*" OR "hire*" OR "rent*" OR "lease*" OR "leasing"))
26. #23 OR #24 OR #25
27. #13 OR #19 OR #22 OR #26
28. #3 AND #9 AND #27
29. Limit 2000-2019