



Are we going backwards? Crisis and mitigation strategies for food security in LAC

Valeria Piñeiro

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RESEARCH
PROGRAM ON
Policies,
Institutions,
and Markets

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Economic Crisis

India: "I earn 600 rupees a day and have five people to feed. We will run out of food in a few days."



US: Greater Pittsburgh Community Food Bank, at a drive thru distribution in downtown Pittsburgh

From Health to Economic to Food Crisis?

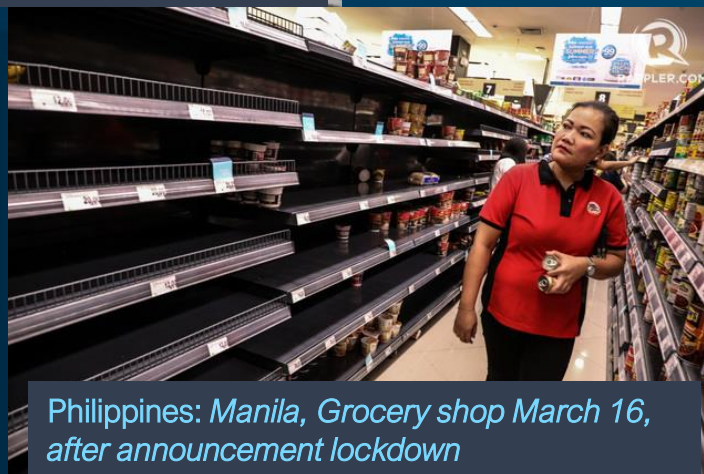


Supply Disruptions

Mali: "With bans on gatherings to fight Covid-19, I do not know how we will meet production targets."



US: meatpacking plants close amid COVID-19 pandemic



Philippines: Manila, Grocery shop March 16, after announcement lockdown

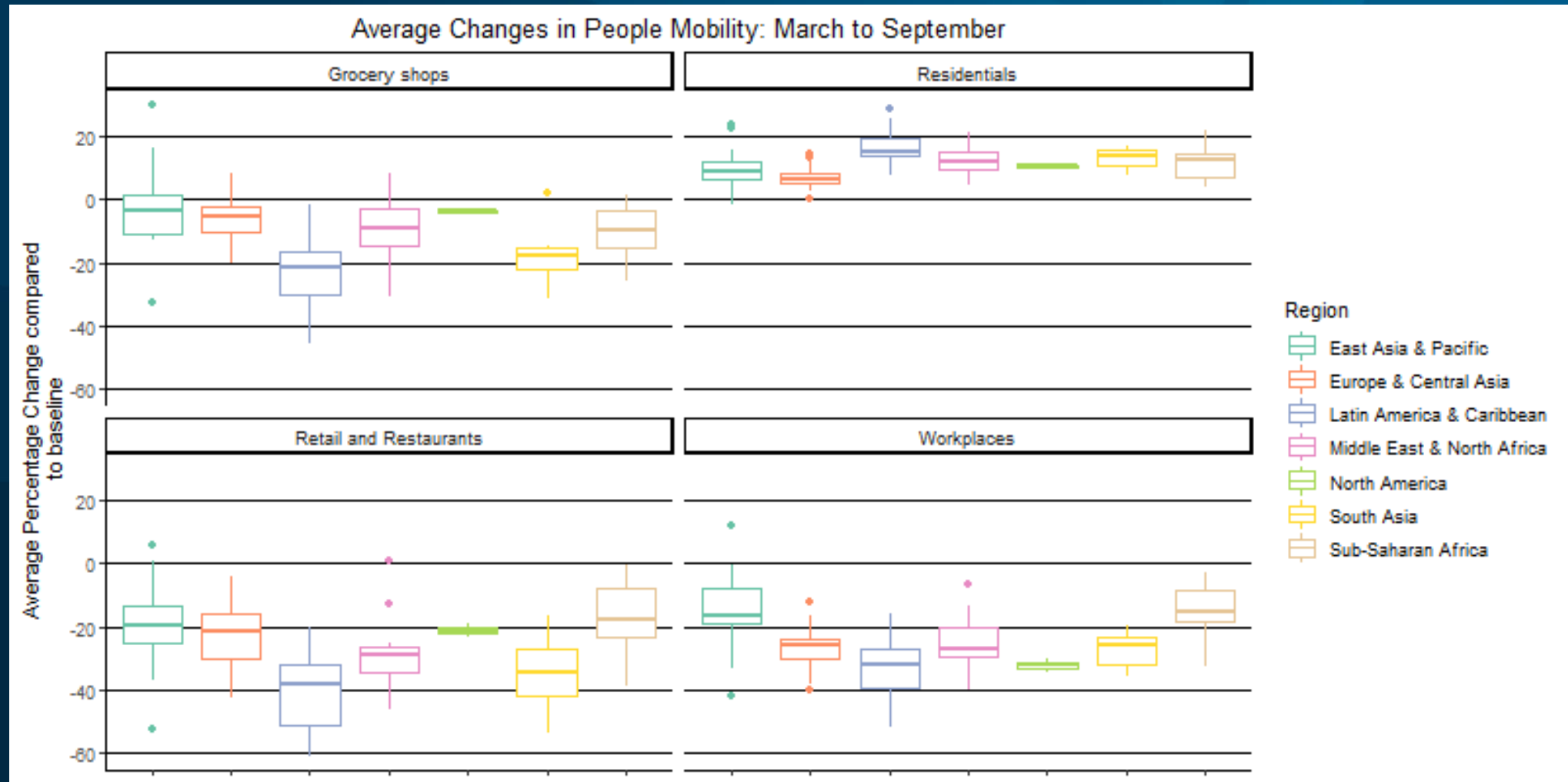


US: California, Trader Joe's grocery shop: pasta and canned food. March 13

Panics



Social Distancing has changed people behavior: Less work, Lower income, Lower demand and different habits

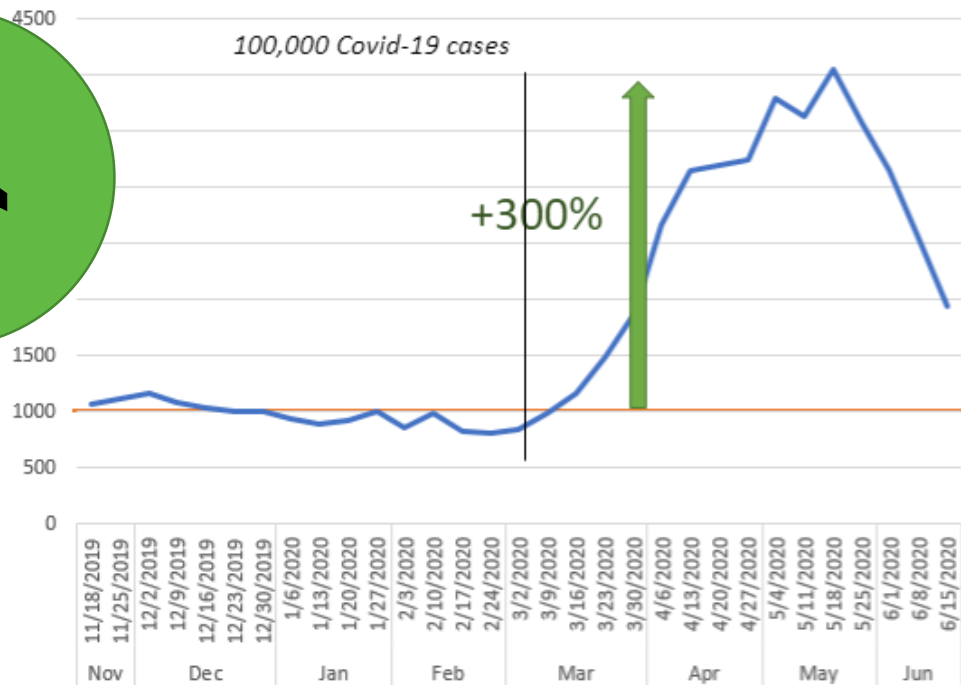




International transportation has been heavily disrupted

TAC Index (1000, January 1st)

Shanghai-Frankfurt Cargo



Baltic Dry Index (1000, January 1st)



Bloomberg Vessel Fleet „ships underway“

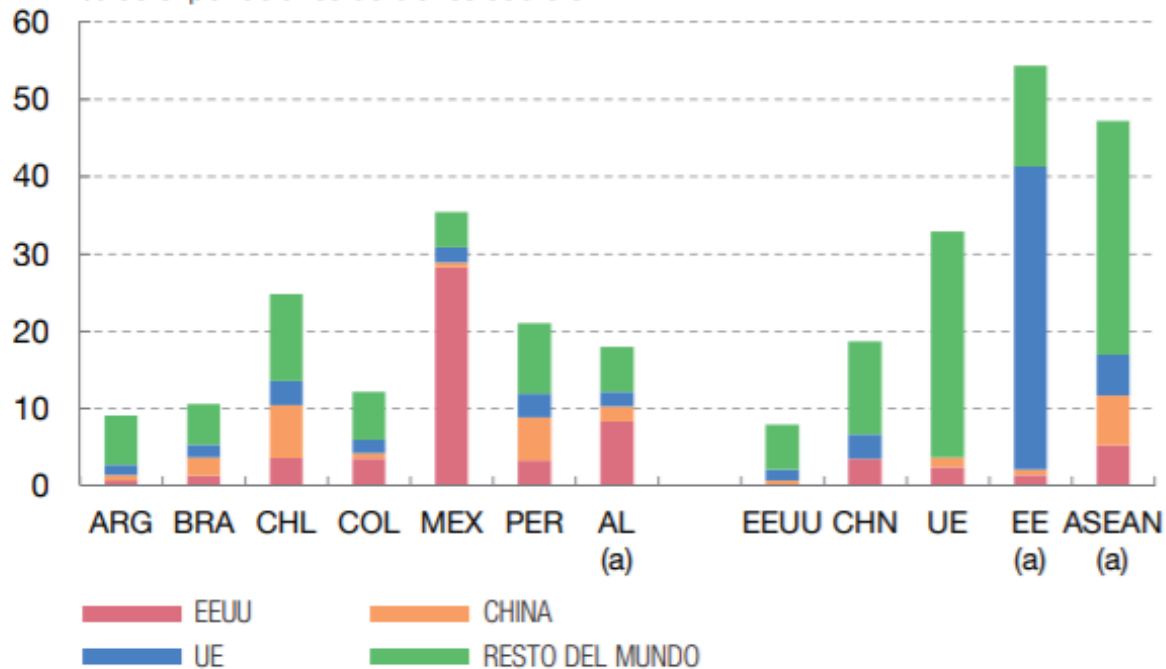




Understanding the macroeconomic vulnerability of LAC

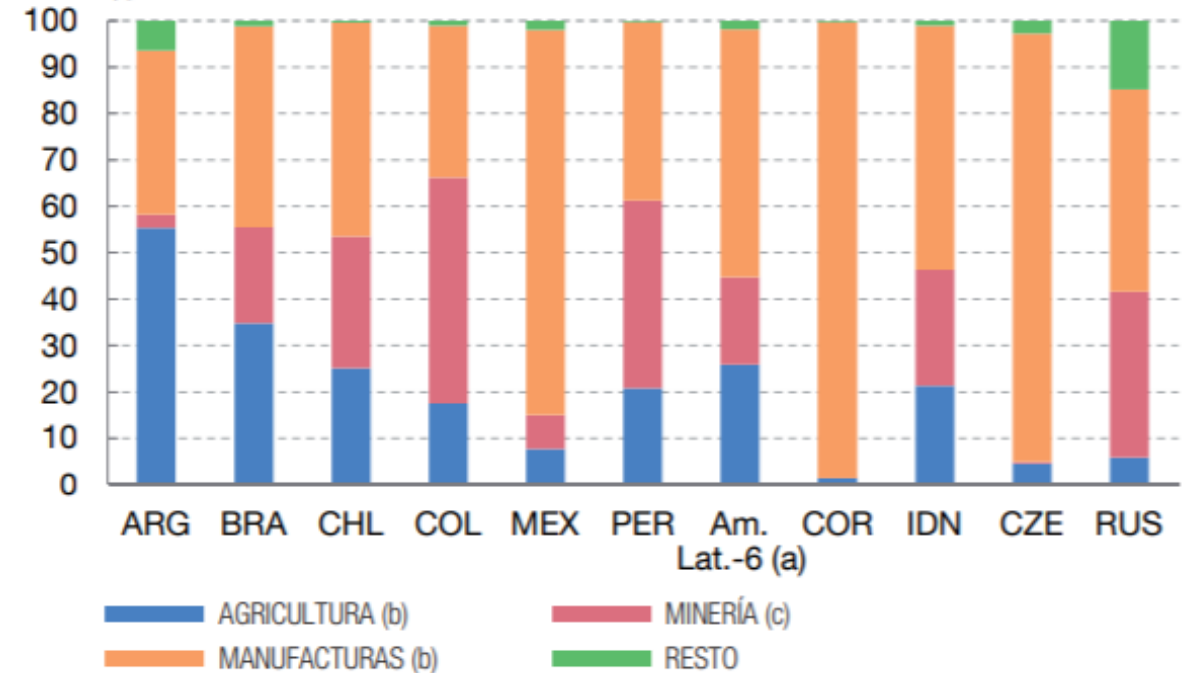
1 APERTURA COMERCIAL

% de exportaciones de bienes sobre el PIB



2 COMPOSICIÓN DE LAS EXPORTACIONES, POR TIPO DE PRODUCTO

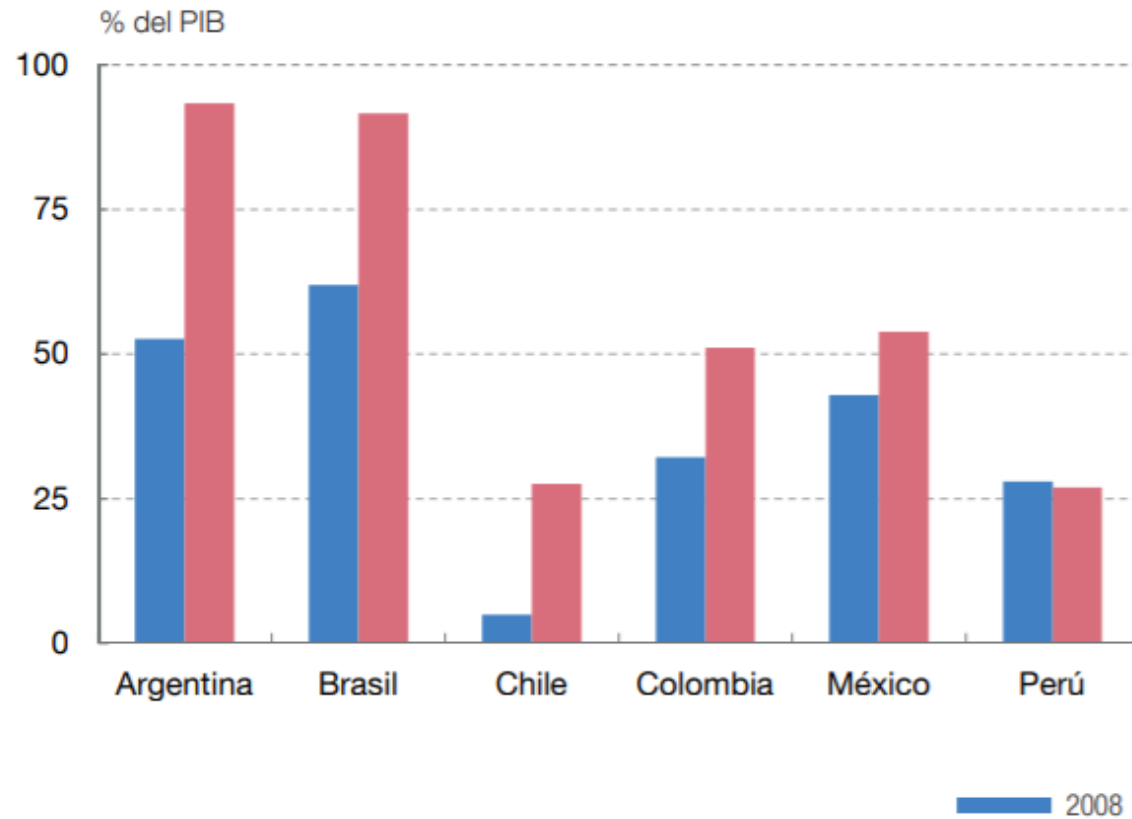
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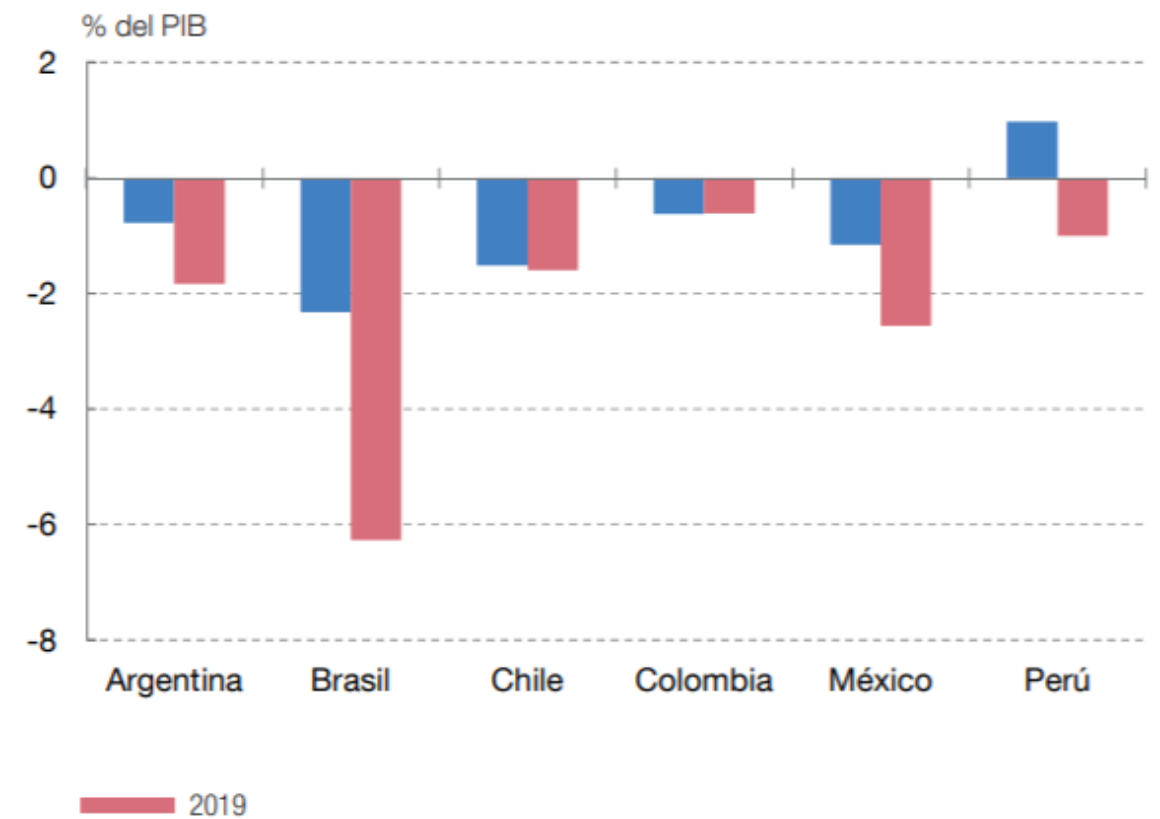


Reduced fiscal space

1 DEUDA PÚBLICA

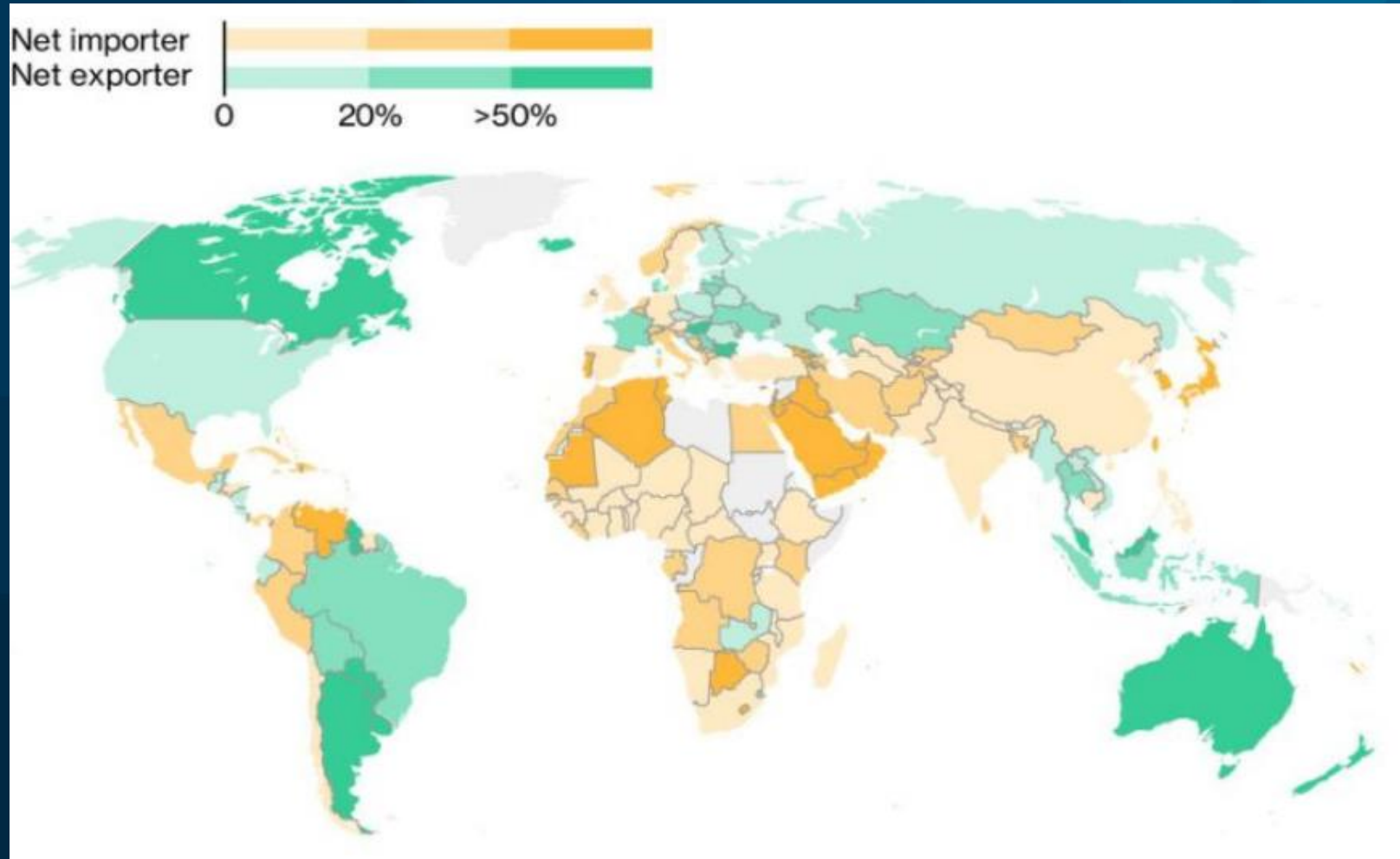


2 SALDO FISCAL ESTRUCTURAL





Food dependence (trade as a share of domestic food supply)

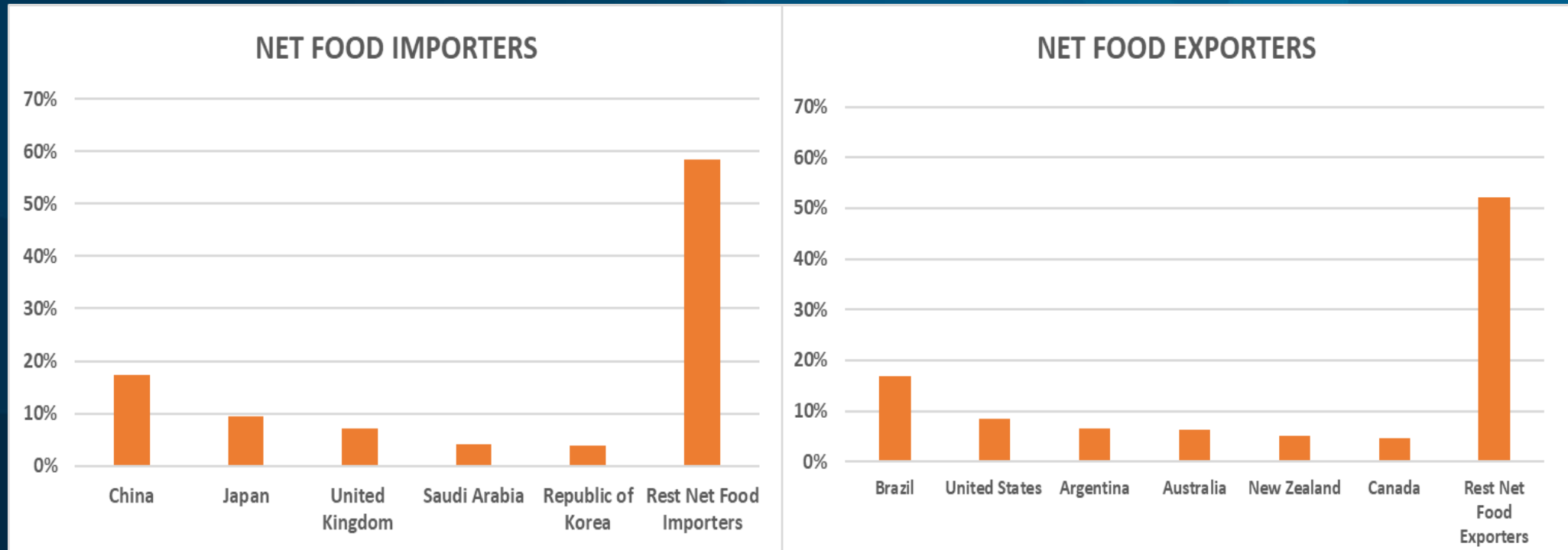


Source: Almeida and de Sousa, based on FAO Global perspectives



Shares net food importers and exporters

average 2015–2017

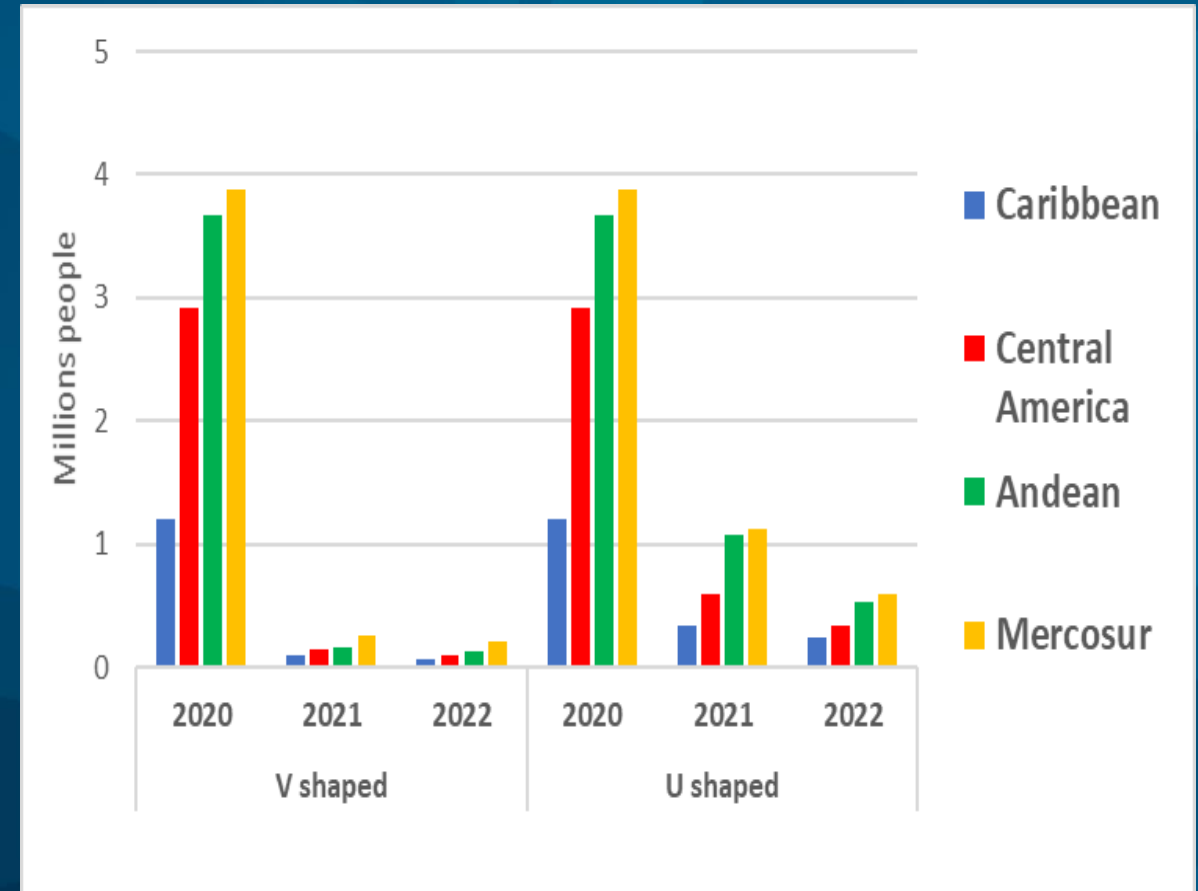
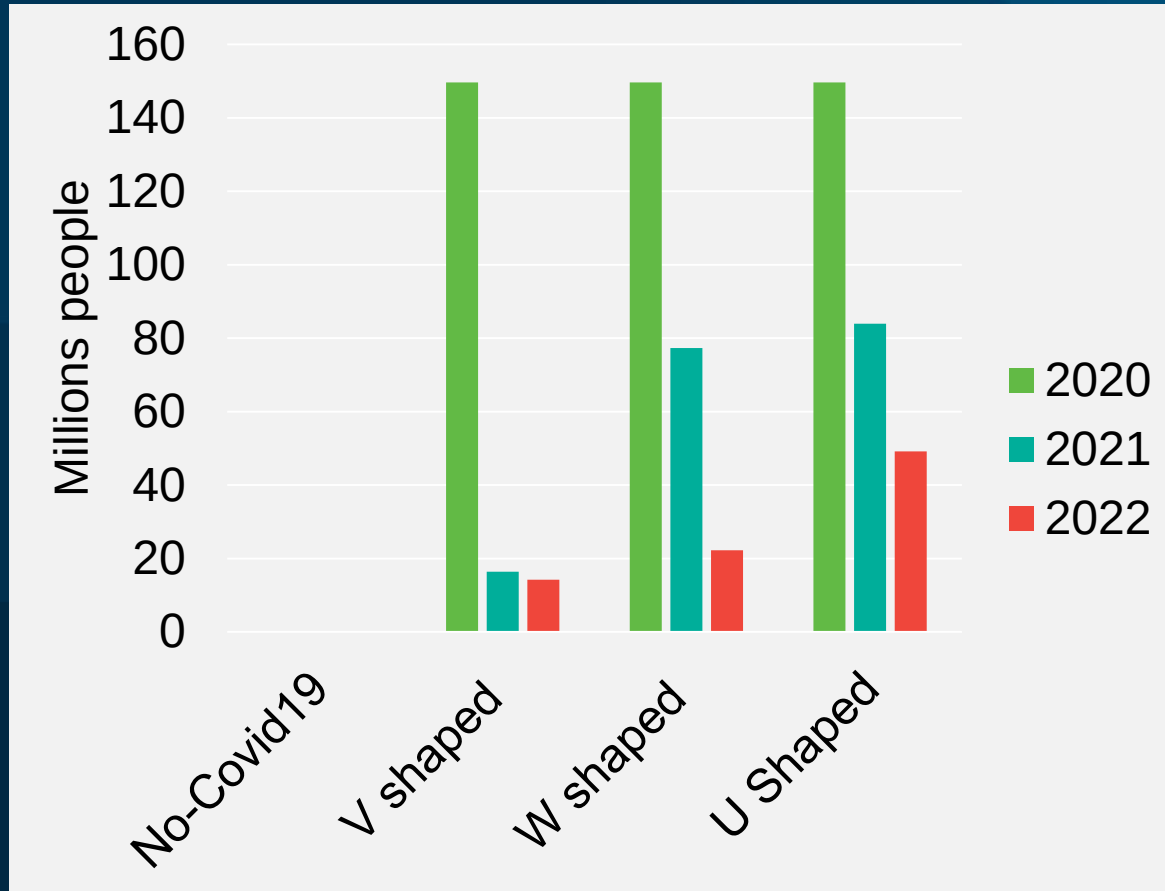


Source: Piñeiro et al, June 2020

Note: Food excluding fish



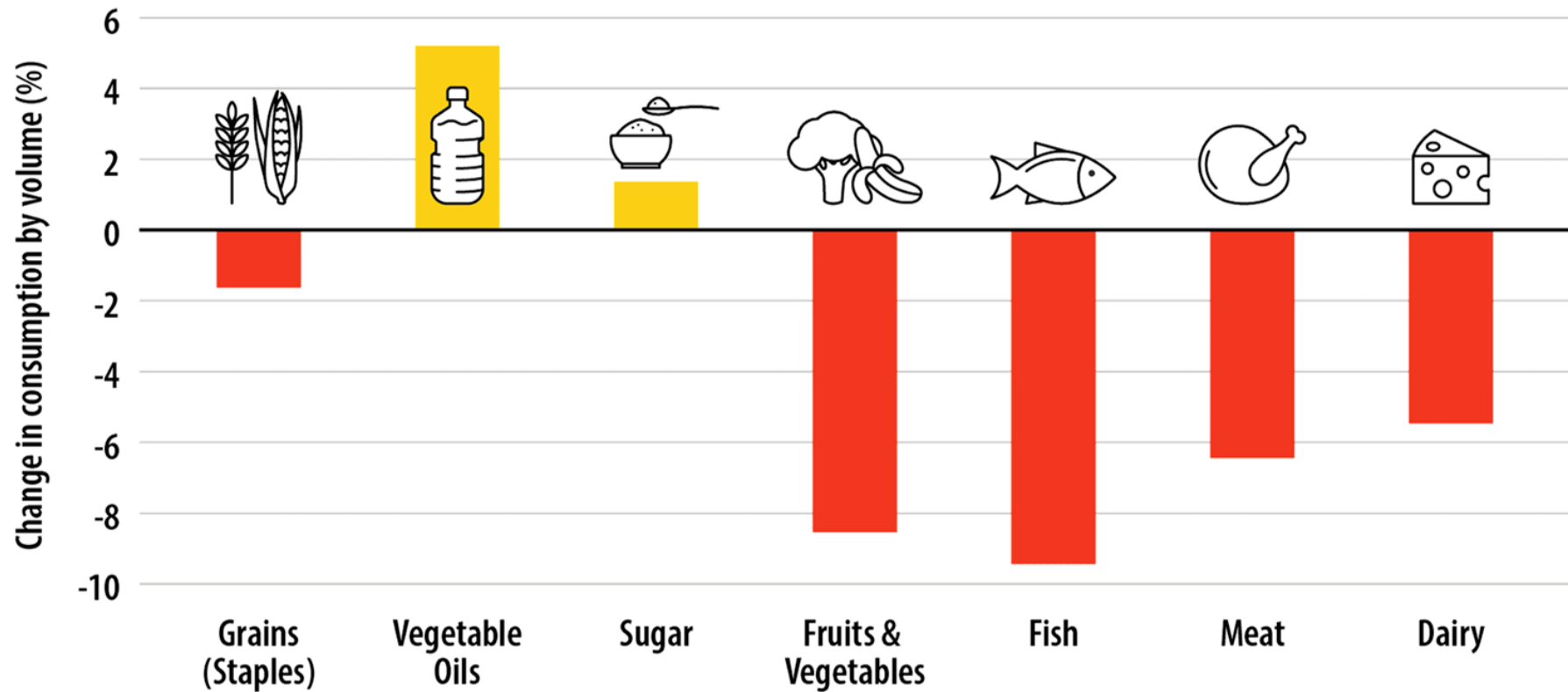
Additional number of extremely poor people (global and LAC, \$1.99 poverty line)





Coping mechanisms by eating less nutritious food

Changes in food consumption by household and by product (volume, %)



Source: MIRAGRODEP simulations.



Looking forward..... In order to build a robust system that can benefit everyone





References

- <https://www.ifpri.org/project/covid-19-food-trade-policy-tracker>
- https://www.researchgate.net/publication/342068871_Estimating_the_Poverty_Impact_of_COVID-19_The_MIRAGRODEP_and_POVANA_frameworks_1
- Piñeiro, V., Arias, J., Dürr, J. *et al.* A scoping review on incentives for adoption of sustainable agricultural practices and their outcomes. *Nat Sustain* **3**, 809–820 (2020). <https://doi.org/10.1038/s41893-020-00617-y>

