

Food Price Volatility, Food Security and Trade Policy: The Future Ain't What It Used To Be...

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Questions

What is the policy problem to be addressed?

What are the possible policy approaches to deal with the specific policy problem identified?

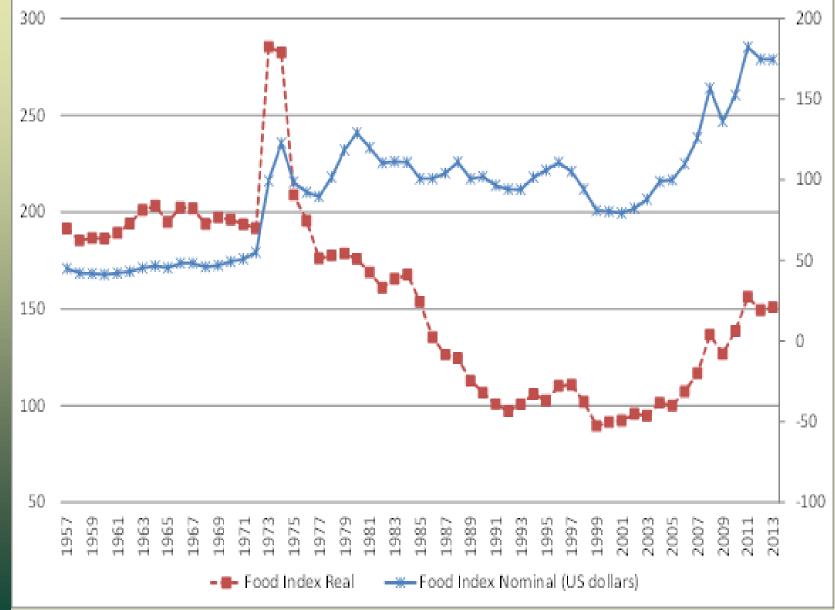


Policy Issues 1

- Volatility? In levels (trends, changes in trends, cycles, extreme price events, high or low), or in differences (inflation and variability of inflation)?
 - What to measure? Time frame and currency
 - How to measure? De-trending methods? (Canova, F. 1999)

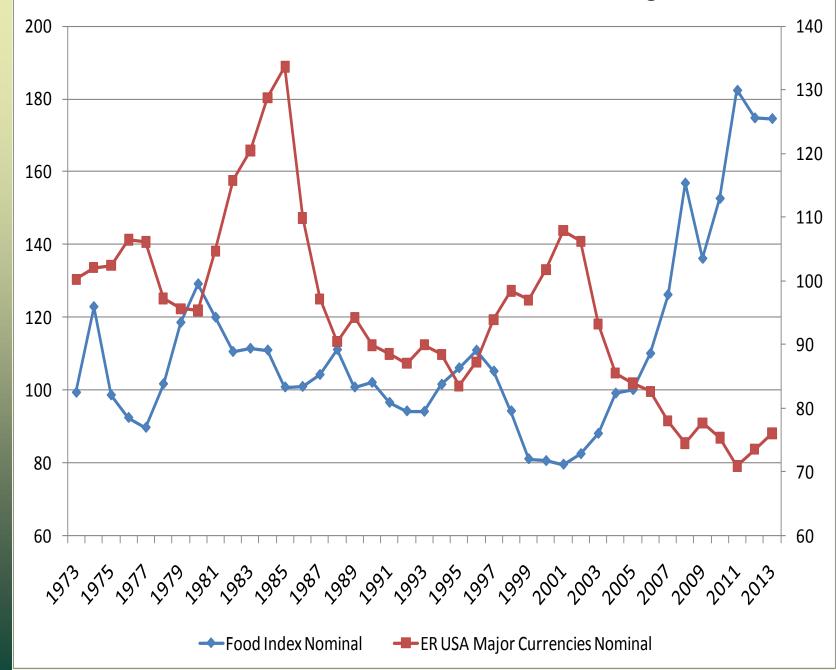


Food Price Indices (in US dollars): Nominal (right axis) and Real (left axis) (2005=100)



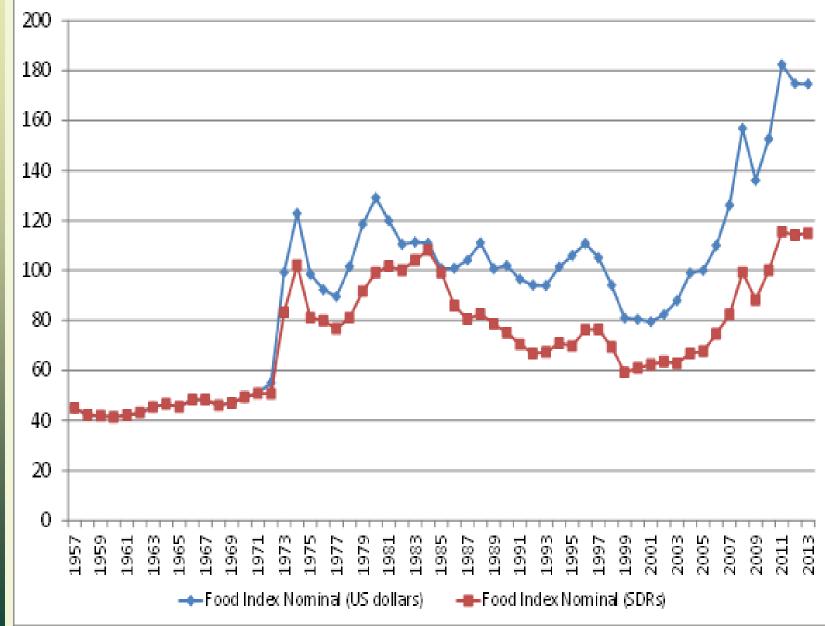


Nominal Food Index and Nominal US Exchange Rate





Nominal Food Price Indices in US and SDR (2005=100 for the US index)





Policy Issues 2

Global level:

 Uncoordinated policy responses that lower welfare and create unfair distributive effects

National level:

 Trade balance, fiscal accounts, inflationary pressures, political unrest, overall macroeconomic uncertainty, agricultural/food production

Household level

Poor and vulnerable producers and consumers



Policy Issues 2a: Global Problems

- Food security blocked agricultural and overall WTO negotiations: SSM (low prices) and Public Food Security Stocks (high prices).
 - Possible language in Diaz-Bonilla 2014
 - PE of negotiations more complex
- Improve global coordination on trade and other policies because of welfare and distributive impacts
 - Asymmetry: booms (shorter) and busts (longer)
 - Economic incentives to insulate both in high and low (however, if convincingly show negative overall effects... also for exporters, incentive to avoid rush to self-sufficiency...)
 - "Unpleasant stockpiling arithmetic" (Josling, 1981). Trade policies redistribute food consumption, only larger stocks add to supply... but see simulations in Thompson and Tallard, 2010
 - 55% of increase in rice and 63% of increase in wheat in 2008 NOT explained by trade policies (Anderson and Martin, 2011)

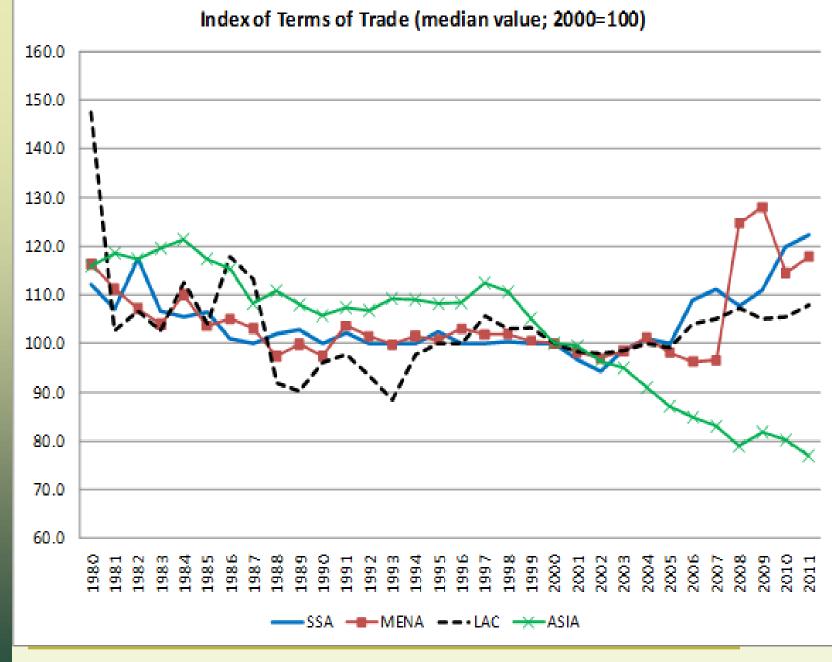


Policy Issues 2a: National Level

Food prices and other commodities move together. Implications for trade balance, fiscal accounts...

				Metals and
	Agriculture	Energy	Fertilizers	Minerals
Agriculture	1			
Energy	0.91	1		
Fertilizers	0.89	0.92	1	
Metals and Minera	0.90	0.94	0.87	1

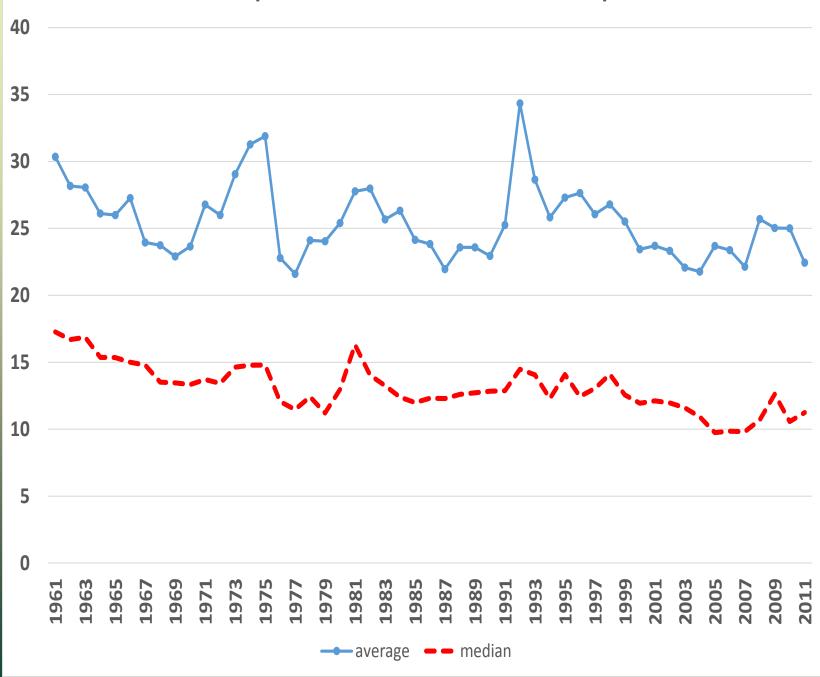




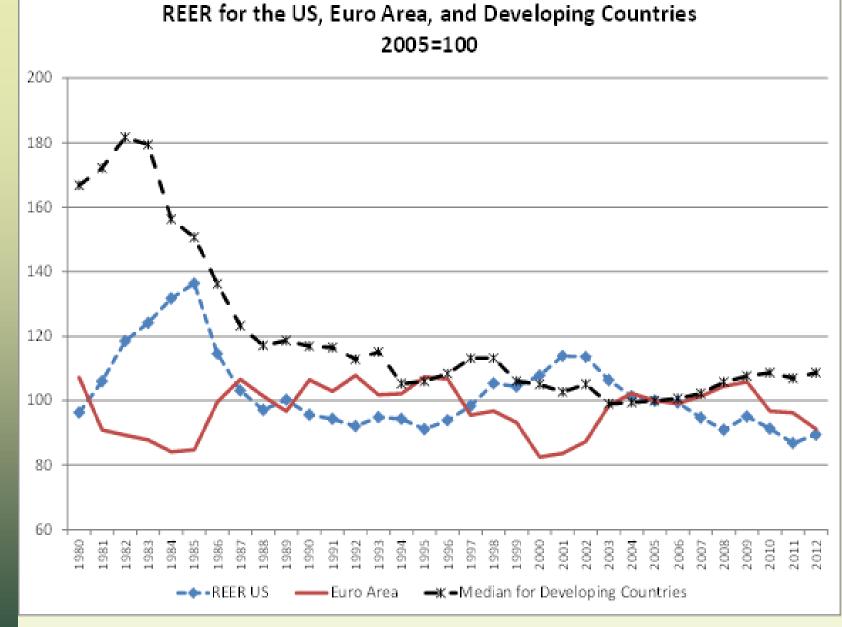
Note: This corresponds to the median values for 36 countries for SSA, planfor LAC, 6 for MENA, and 12 for Asia. Source: World Bank/WDI, 2013



Food Imports as % of Total Merchandise Exports





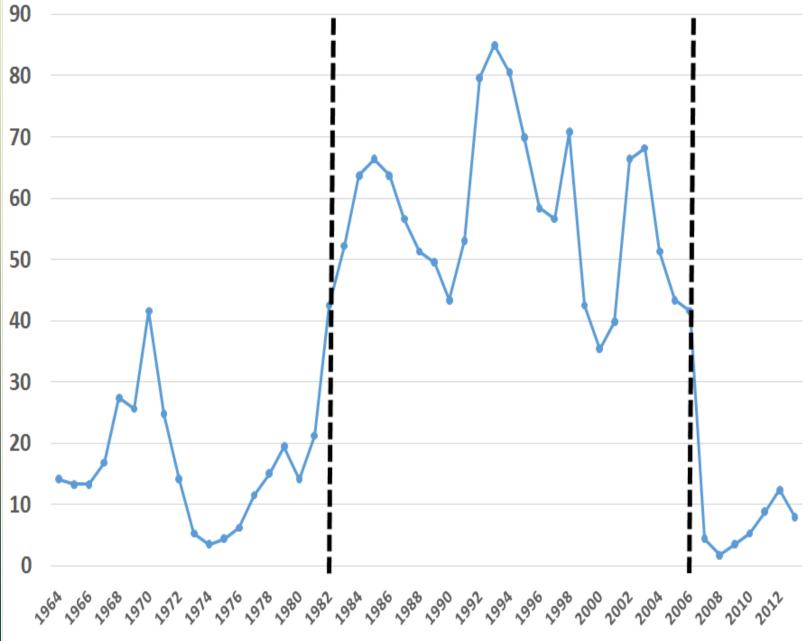


Median for 50 developing countries using data since the 1980s Source: IMF IFS, 2013.

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Policy Issues 2c: Household Level

- For poor/vulnerable, price shocks one of several damaging fluctuations (Sinha, Lipton, and Yaqub 2002):
 - 1) violence (wars, civil strife, community violence); 2) natural disasters; 3) harvest failure; 4) disease or injury; 5) unemployment or under employment; and 6) shocks that increase relative price of food compared to incomes.
- Macroeconomic crises: growth and employment collapses, inflationary shocks
 - Hazell, Shields, and Shields (2005) in World Bank,
 2005: larger component of domestic price
 variability is related to macroeconomic problems

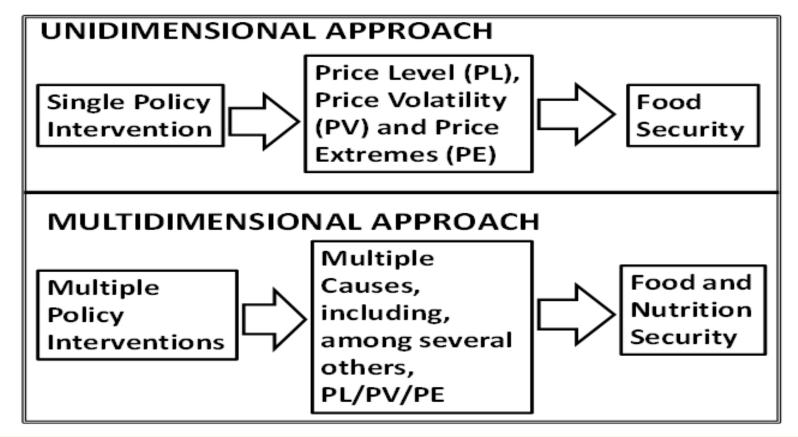
Policy Issues 2c (cont): Household Level

- Diversification of sources of calories
 - Indonesia: rice (a storable product) represents 48% of calories (2009; 56% in 1980). India: 21% of total average calories in 2009 from wheat and wheat products and about 29% from rice. In Western Africa, average calories consumption: 5.4% wheat and products, 12.6% rice, 9.1% maize and products, 10% millet and products, 9.1% percent sorghum and products, 8.7% cassava and products, and 7.9% yams.
- Lack of dietary diversity more correlated with child stunting/wasting and underweight mothers (Arimond and Ruel 2006).
- Changes in retail channels (supermarket and food systems "revolution" Reardon and Timmer, 2012)



Final Comments 1

Trade policy (WTO sense, including three pillars) → Food Price Volatility → Food Security (calories, limited staple crops)... Too limited?





Final Comments 1

Recession in the next 2-3 years?

- Final quantitative easing Increasing interest rates (market-driven: government financing requirements, increased risk perception). Impact on construction and debt. Another round of bank / financial problems.
- No room for fiscal (monetary ?) stimulus

Spikes in energy prices and food?

- Low growth and new technologies (déjà vu 1980s, all over again?)
- Biofuel demand stabilized
- But recurrence of extreme weather events and geopolitical shocks complicate projections...



Thanks.....



Legal Trade Issues

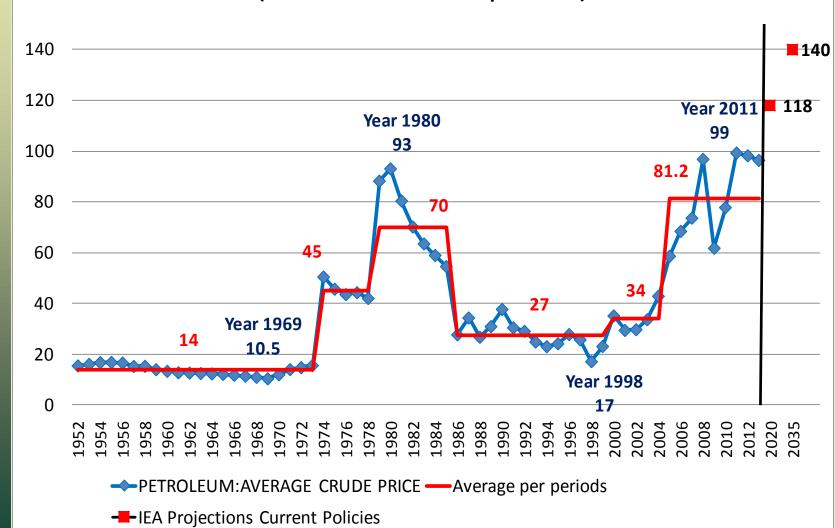
- Extreme event, low price, poor producers
 - Income support to (LIRP) farmers (Section 5, Annex 2 AoA)
 - Normal Safeguard, Anti-Dumping (companies), Subsidies and Countervailing Measures (governments)
 - Increase tariffs within bound levels
 - Public Food Stocks (Section 3, Annex 2) (possible language in Diaz-Bonilla 2014)
 - Institutional public procurement (government procurement exempted from GATT, Article III: 8a).
 - (Special Safeguard Mechanism; does not exist yet)
- Extreme event, high price, poor consumers
 - Domestic food aid (Section 4, Annex 2). Safety nets
 - Reduce import tariffs
 - Export taxes, restrictions (Disciplines?)



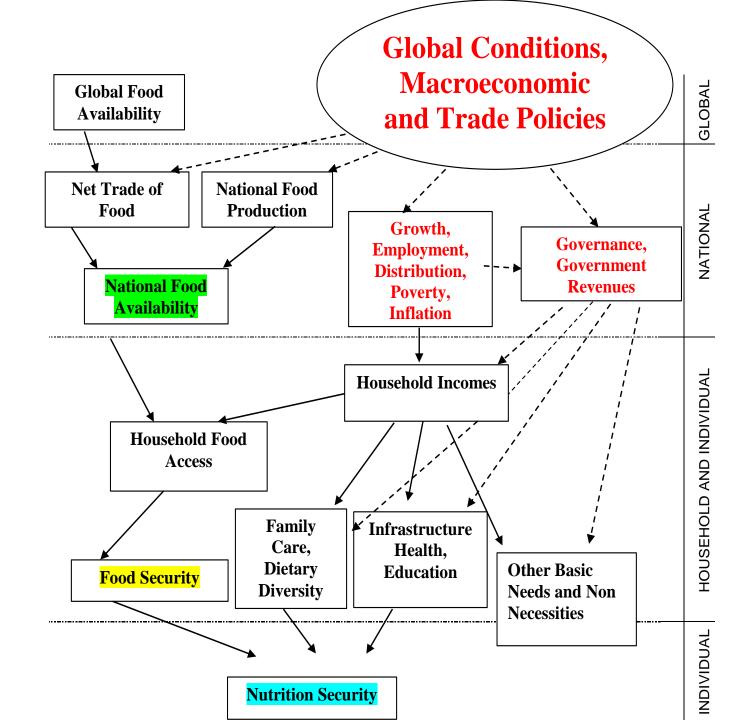
Precios del Petróleo

Average World Oil Price

(2009 US constant dollars per barrel)

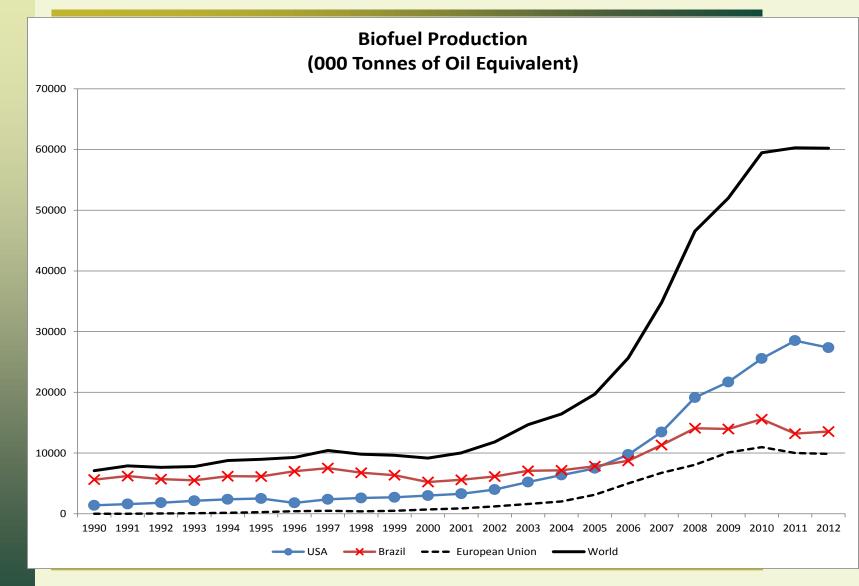








Producción de Biocombustibles



Fuente: Elaboración propia con datos BP data base Page 22



Conclusiones

- Asegurar balances entre metas de crecimiento, metas de inflación, tipo de cambio, y tasa de interés. Evitar sobrevaluación
 - Reforzar políticas de apoyo al sector agropecuario, espacio rural y cadenas de valor
 - Incrementar/mejorar gasto para políticas de protección social. Programa integrado para la seguridad alimentaria y nutricional