Global food trade: reaping the rewards and managing the risks

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Global food security increasingly relies on international trade



3% in 2005

Share of global population with insufficient food supply

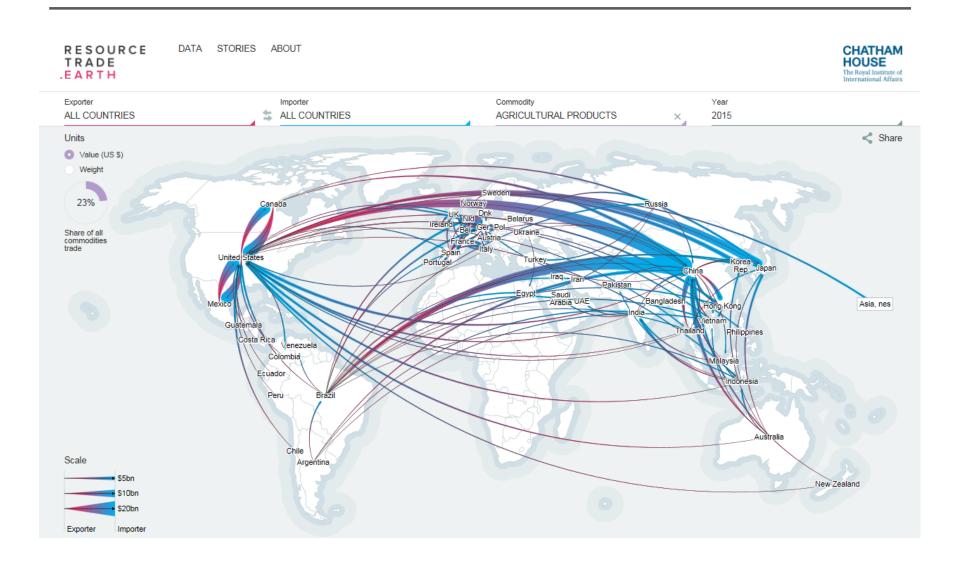
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Number of people worldwide dependent on trade for their food supply

1/4

Share of global wheat, maize and soy production traded internationally

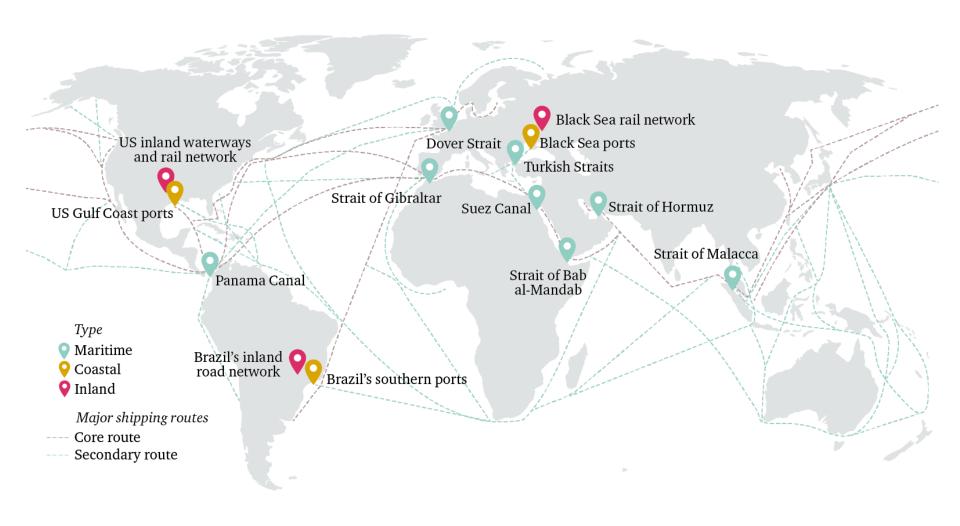
Today's food system is a complex network of trade flows



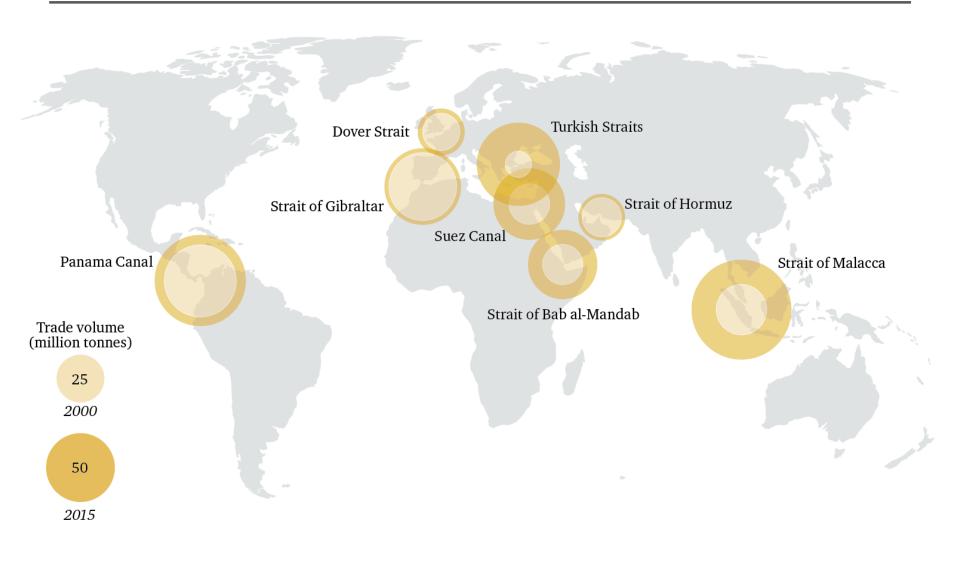
Global trade is increasingly critical to food security



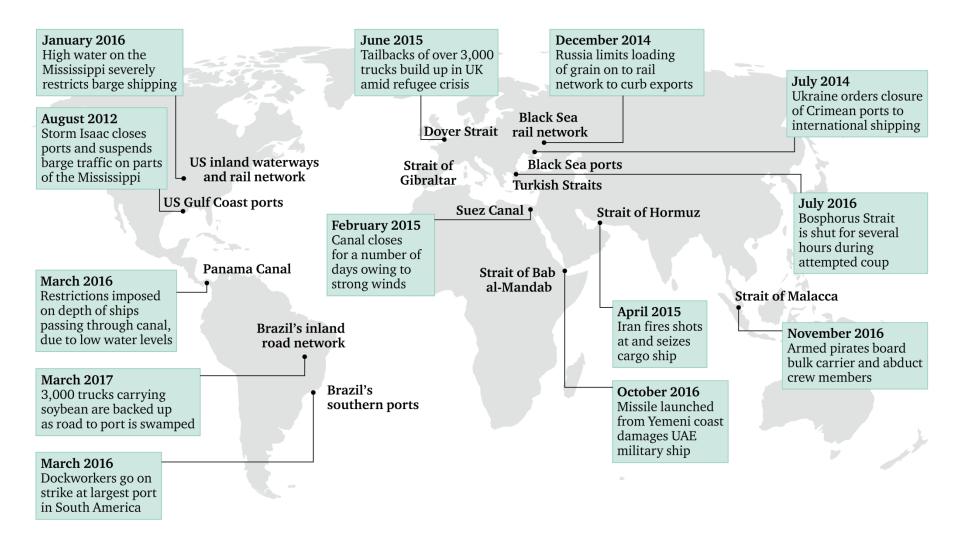
The infrastructural backbone of trade is punctuated by chokepoints



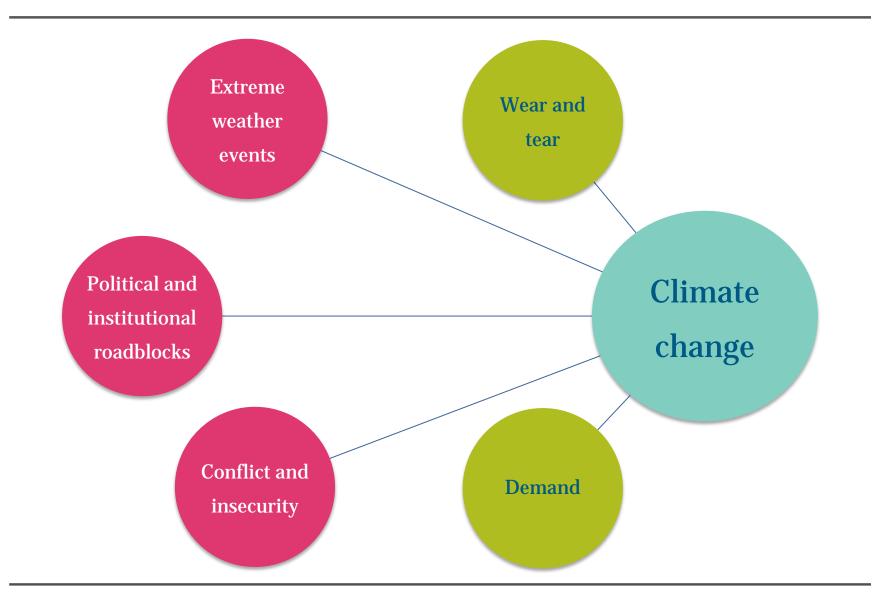
The strategic importance of these chokepoints is rising



Major chokepoint disruptions are rare, but not unprecedented



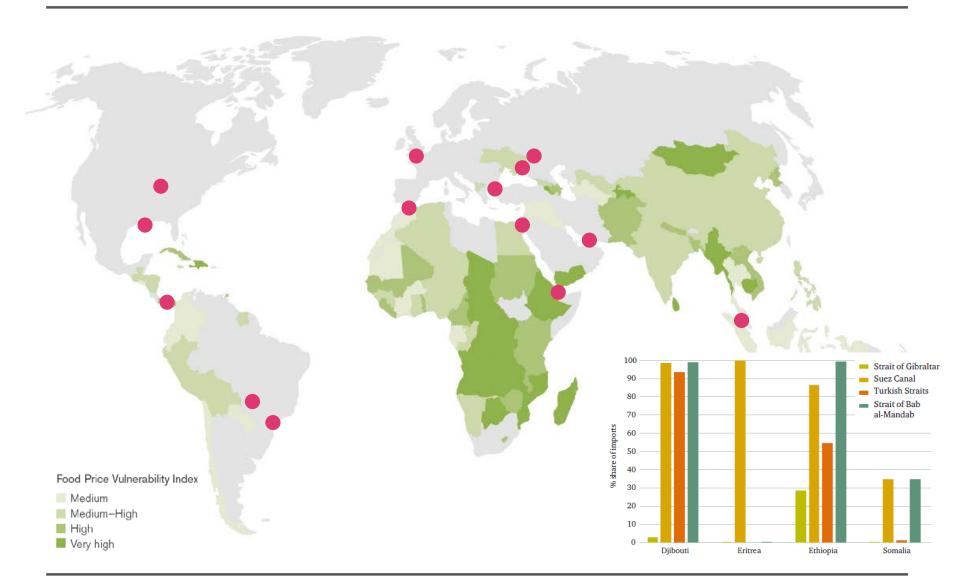
Climate change is multiplying the risk of chokepoint disruption



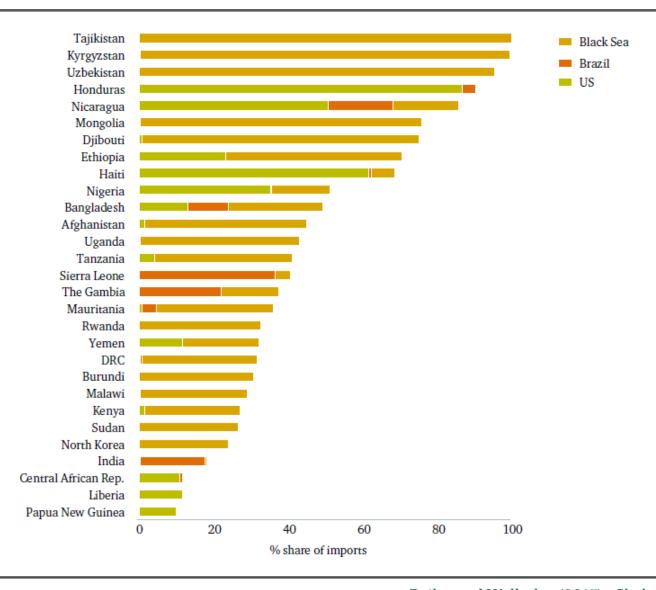
As yet, little effort has been taken to manage chokepoint risk

Lack of awareness Limited resources and political will Weak governance and institutional arrangements

Food-insecure, low-income countries are among the most at-risk



Many LIFDCs are highly exposed to breadbasket disruptions



Effective risk management will involve action on multiple fronts

Integrate chokepoint analysis into mainstream risk management.

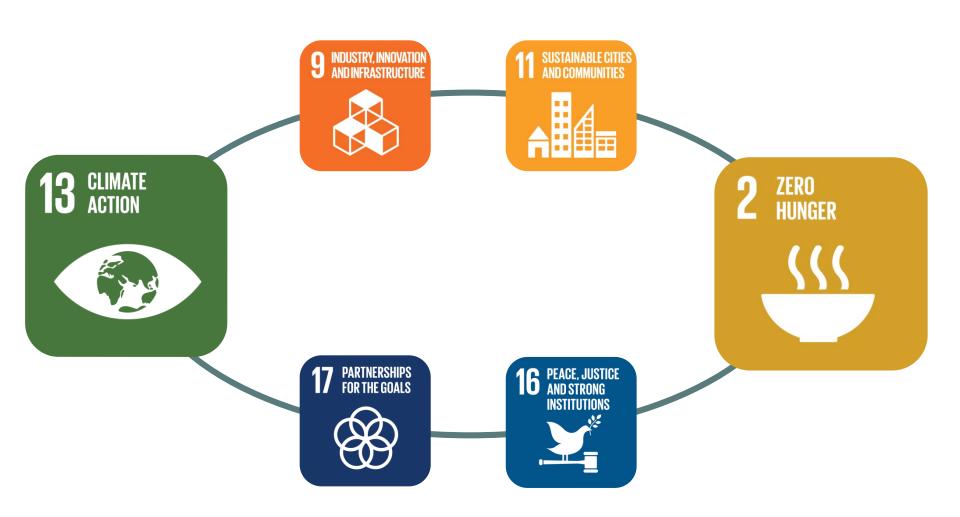
Invest in infrastructure to ensure future food security.

Enhance confidence and predictability in global food trade.

Develop emergency sharing arrangements and smarter strategic storage.

Build the evidence base around chokepoint risk.

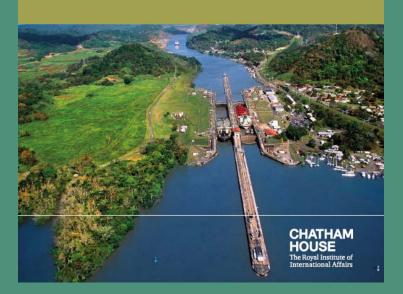
Chokepoint risk matters to the SDGs in a number of ways

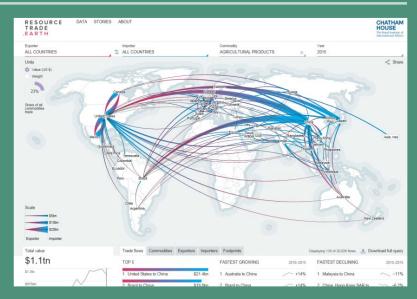


Thank you

Chatham House Report Rob Bailey and Laura Wellesley

Chokepoints and Vulnerabilities in Global Food Trade







ARTICLE INFO

Keywards: Food security Trade Chokepoint Risk assessment Supply disruption

ABSTRACT

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The global disaggregation of food supply chains and just-in-time business models with low inventories mean that governments, traders, producers and consumers are increasingly exposed to unforeseen interruptions to supply and associated volatility in food prices. While considerable research has examined the risk of disturbance in global energy markets resulting from a disruption to physical cholepoints along major trade routes, no comparable analysis and because the resulting from a disruption to physical cholepoints along major trade routes, no commandities Analysis Tool (CH-MAT), which estimates the volume and value of staple foods passing through maritime cholepoints. The CH-MAT permits analysis of flows through cholepoints arising from bilateral trade in commodities over the period 2000 to 2015. The value of the CH-MAT is illustrated by a first assessment of global flows via maritime cholepoints. We discuss how such data can be combined with information on inland and overland transport networks, strategic reserves and environmental change, to enhance understanding of the risks associated with disruption to critical infrastructure — owing to weather events, trade restrictions, conflict, consection, or institutional fallacts. We consider the anallestone, within information or institutional fallacts.