

The role of agriculture trade in achieving sustainability objectives and food security

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Food systems have always and will continue to be exposed to shocks



Trade, Trade Policy, and Trade Policy responses could mitigate or amplify these risks

All these risks will increase due to climate change



Food security – availability, access, utilization, and stability of supply



Simple pathway without trade policy disruptions

Global markets help adjust to shocks e.g., 2022





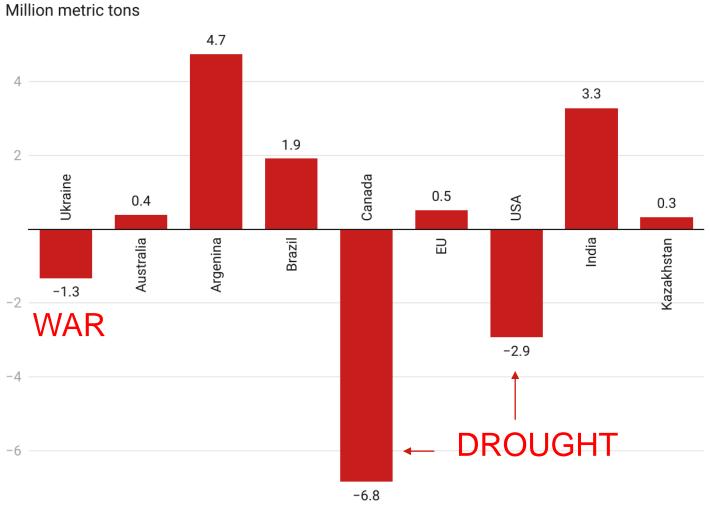


Chart: Joseph Glauber • Source: Author' s calculation based on COMTRADE data





Rising real prices for food and fertilizer. Source: https://www.ifpri.org/blog/high-fertilizer-prices-contribute-rising-global-food-security-concerns

Six Lessons Learnt from a Year of Multiple Crises



Lesson #1: Avoid export bans and restrictions on food and agricultural goods

Lesson #2: Flexibility in the sources for food, feed, and agricultural inputs

Lesson #3: Increase agricultural productivity

Lesson #4: Provide for financial risk and uncertainty

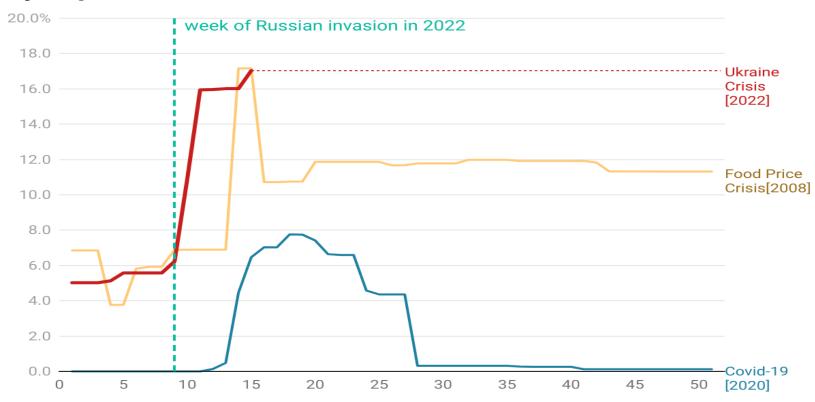
Lesson #5: Don't forget the broader, longer-term agenda

Lesson #6: Protect nature and climate, protect the food supply!





Evolution of the share of global trade, in calories, impacted by export restrictions

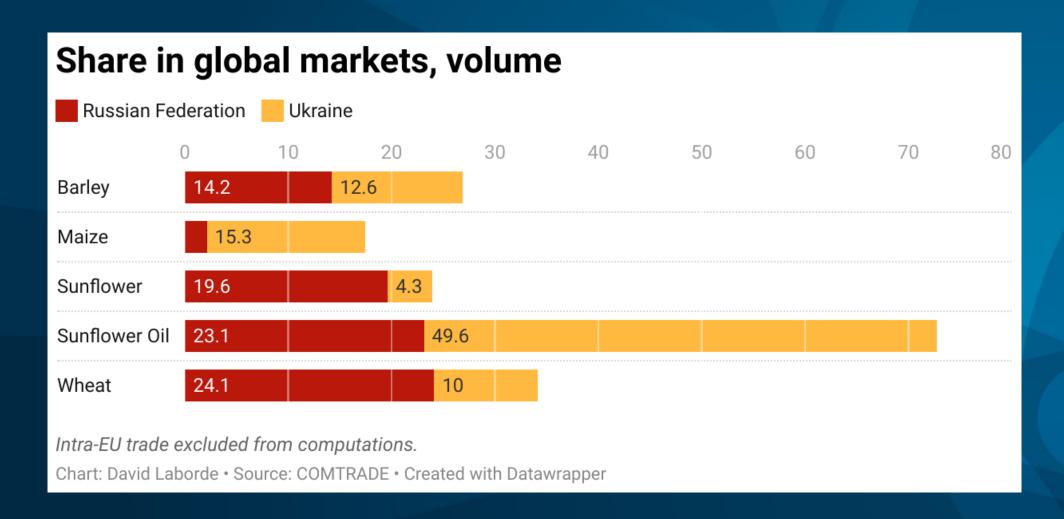


X-axis shows the week of the year. 1= first week of the year. Data extracted from the Export restriction tracker on April 12th 2022.

Chart: David Laborde • Source: Food and fertilizer export restriction tracker, IFPRI



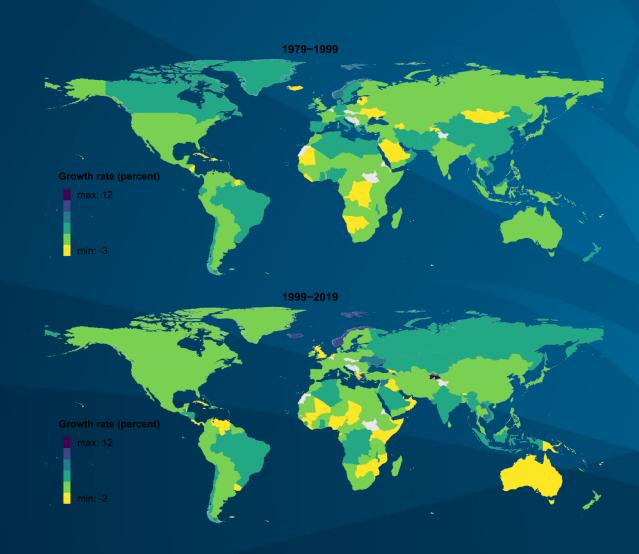




Lesson #3: Increase agricultural productivity



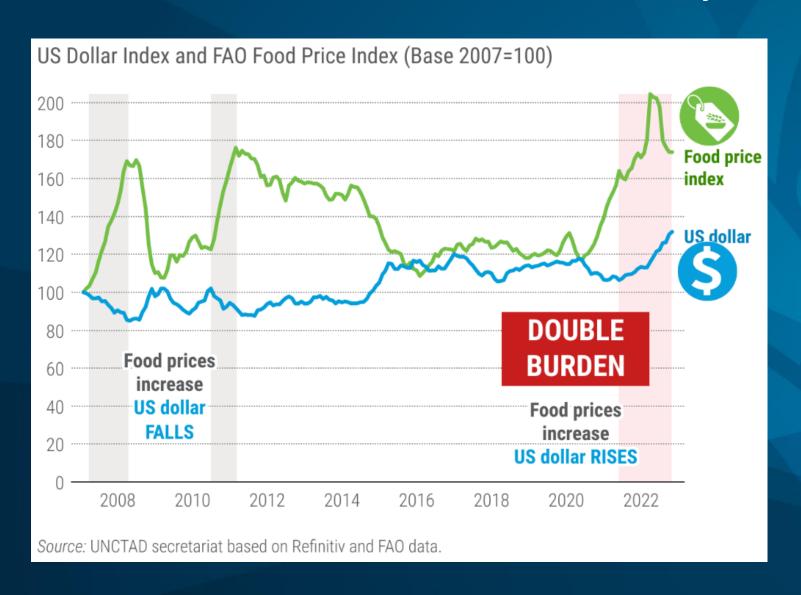
Average annual growth rates in agricultural total factor productivity, 1979-1999 and 1999-2019



Source: Authors' calculation based on Fuglie et al. (2010).



Lesson #4: Provide for financial risk and uncertainty





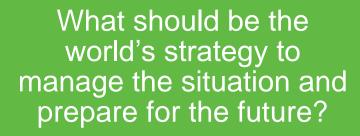
Lesson #5: Don't forget the broader, longer-term agenda



Short term effects



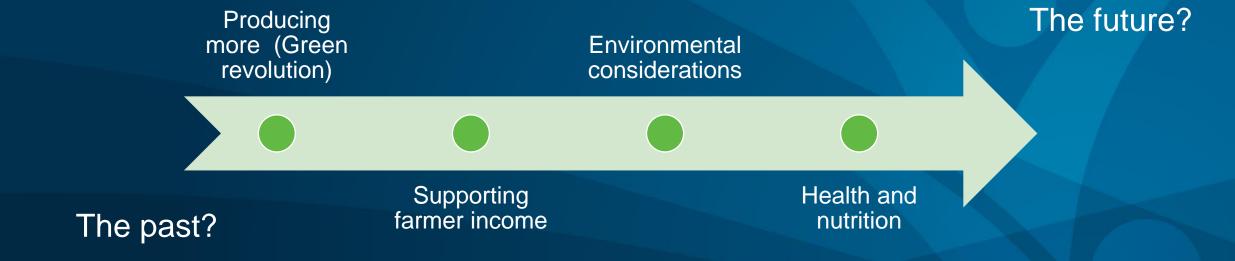
With longterm repercussions





A brief history of farm policy goals, and level of development





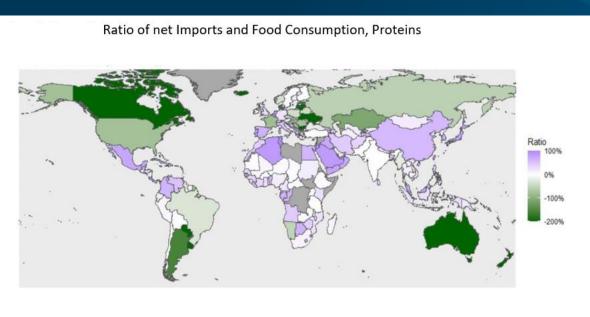
THANKS

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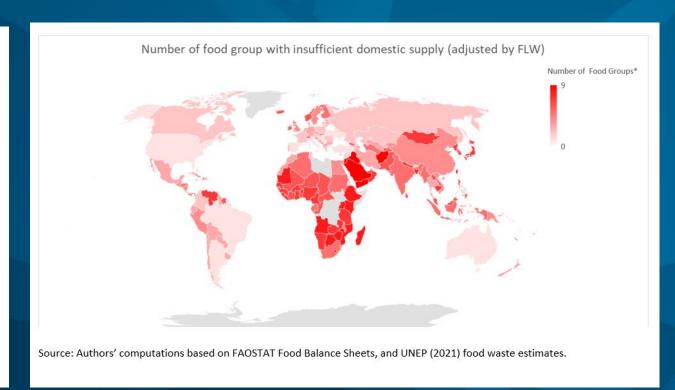


National imbalances in food supply and demand between regions- the role of trade and a multilateral trade system



Source: Authors' computations based on FAOSTAT Food Balance Sheets

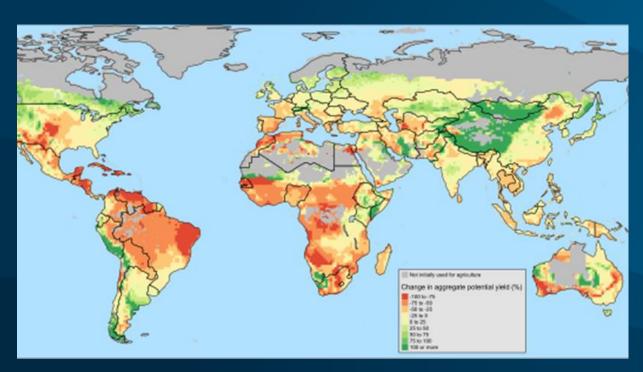
Note: For the sake of readability, the ratio is capped to -200% and +100% but several economies exceed these bounds.



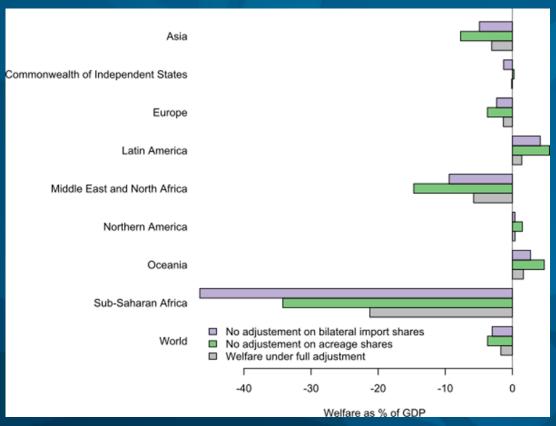
Laborde Debucquet, David; Piñeiro, Valeria; and Johan Swinnen. Forthcoming. Tomorrow's agri-food system: the linkages between trade, food security and nutrition for a sustainable diet. Routledge Handbook of Sustainable-Diets.



Trade remains critical to adaptation



Relative changes due to climate change in potential yields aggregated across crops



Welfare results under full adjustment and limited adjustment

Source: Gouel and Laborde (2018)