

Food and Culture

INTRODUCTION TO COURSE

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What do You Know About Food?



What is the Difference Between a Fruit and Vegetable?





What is the Difference Between a Fruit and a Berry?





What is the Difference Between a Herb or Spice?

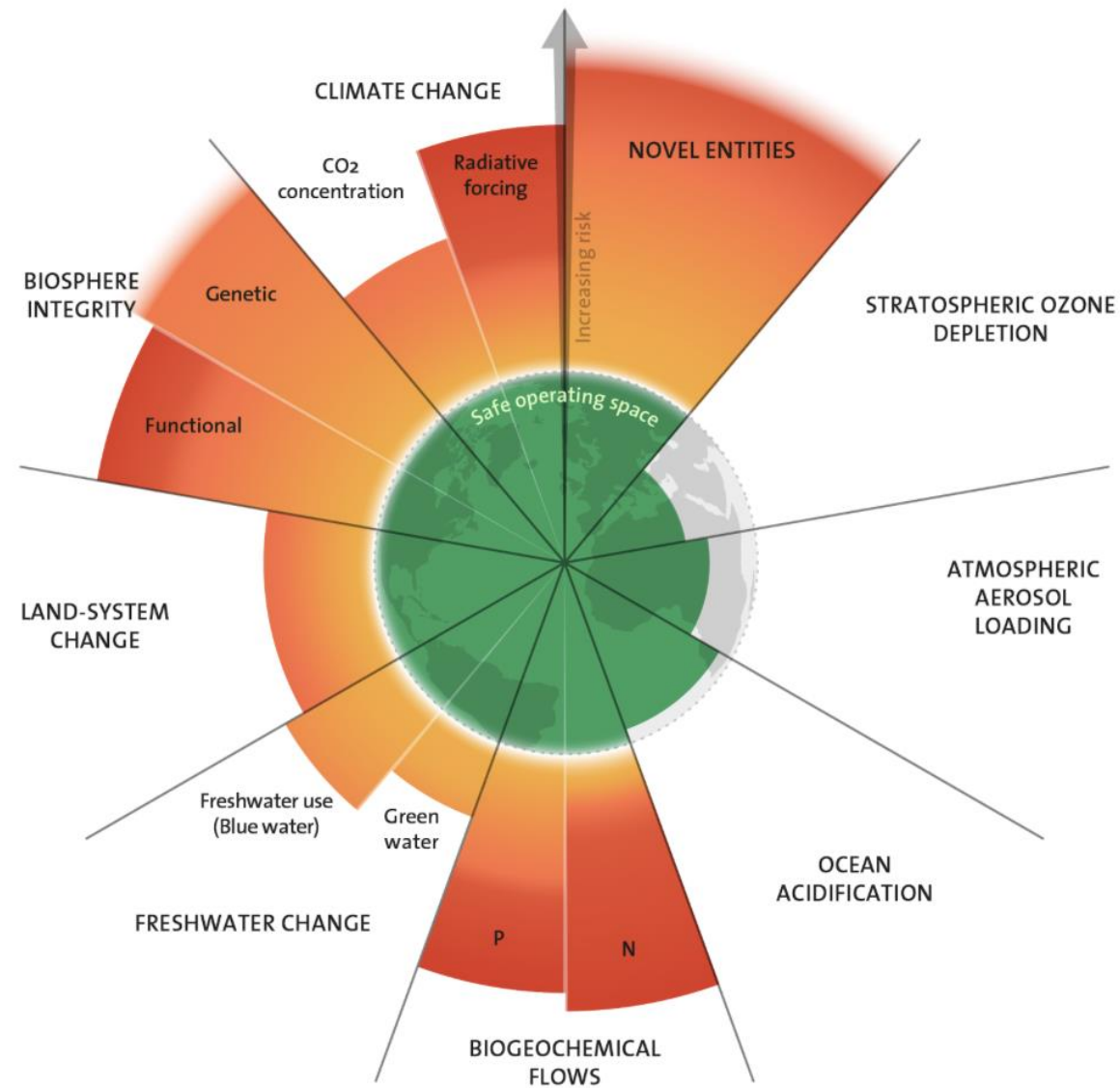




What do you Know About Global Food Systems?

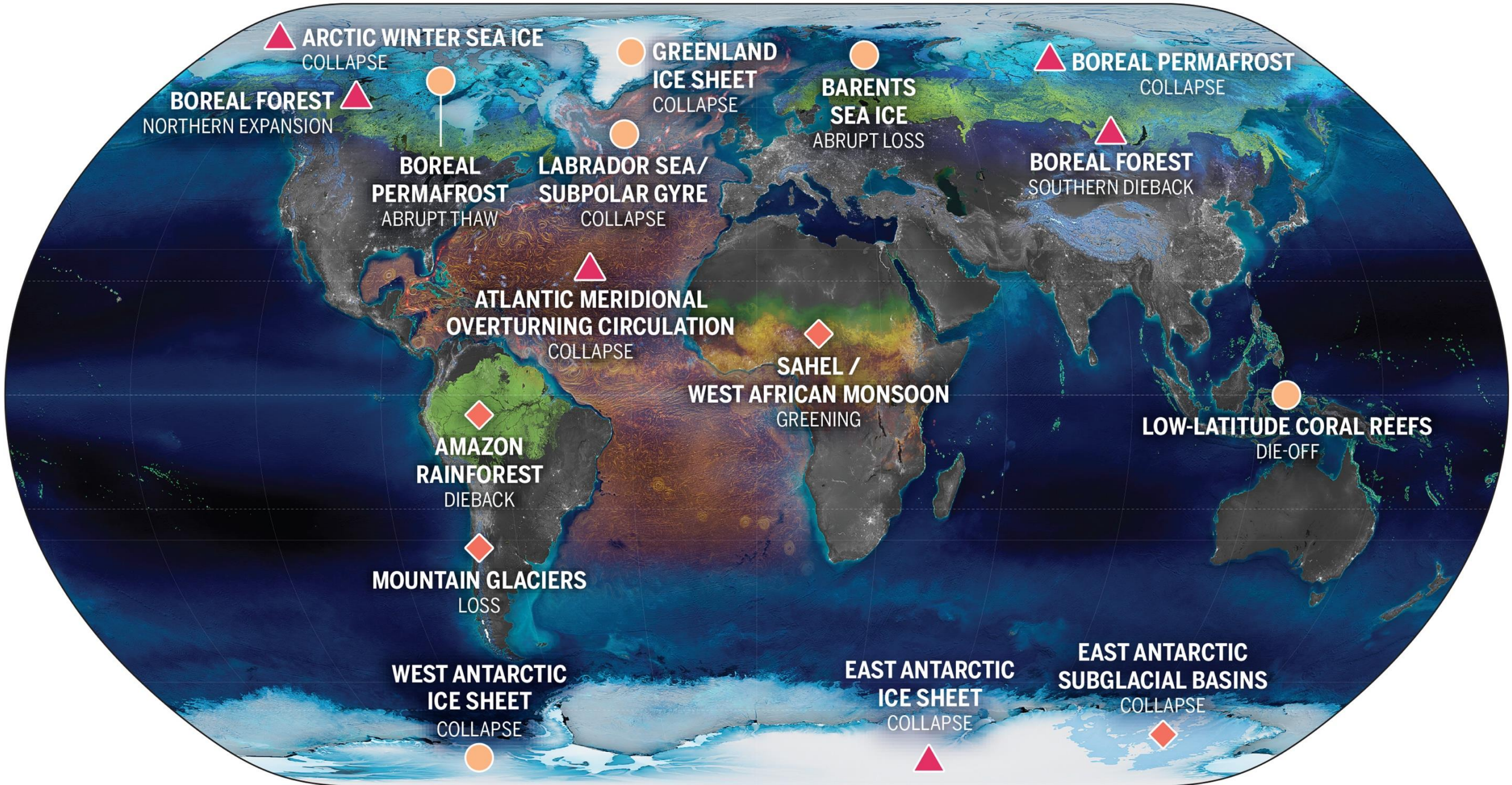


The Global Food System is NOT Sustainable



The 2023 update to the Planetary boundaries. Licensed under CC BY-NC-ND 3.0. Credit: "Azote for Stockholm Resilience Centre, based on analysis in Richardson et al 2023". [Download the illustration here.](#)

[Source](#)



▲ **ARCTIC WINTER SEA ICE**
COLLAPSE

▲ **BOREAL FOREST**
NORTHERN EXPANSION

○ **GREENLAND**
ICE SHEET
COLLAPSE

○ **BARENTS**
SEA ICE
ABRUPT LOSS

▲ **BOREAL PERMAFROST**
COLLAPSE

○ **BOREAL**
PERMAFROST
ABRUPT THAW

○ **LABRADOR SEA /**
SUBPOLAR GYRE
COLLAPSE

▲ **BOREAL FOREST**
SOUTHERN DIEBACK

▲ **ATLANTIC MERIDIONAL**
OVERTURNING CIRCULATION
COLLAPSE

◇ **SAHEL /**
WEST AFRICAN MONSOON
GREENING

○ **LOW-LATITUDE CORAL REEFS**
DIE-OFF

◇ **AMAZON**
RAINFOREST
DIEBACK

◇ **MOUNTAIN GLACIERS**
LOSS

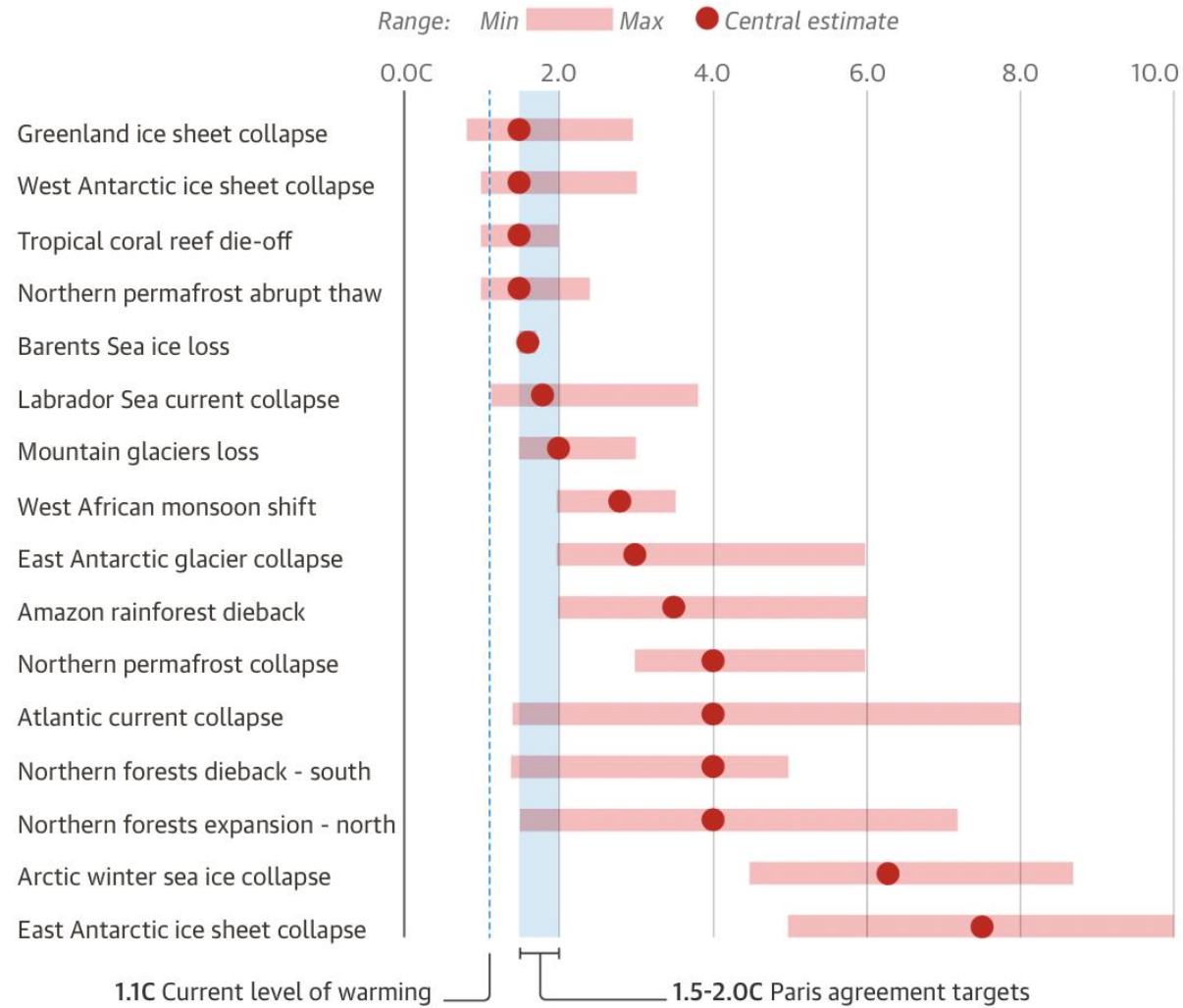
○ **WEST ANTARCTIC**
ICE SHEET
COLLAPSE

▲ **EAST ANTARCTIC**
ICE SHEET
COLLAPSE

◇ **EAST ANTARCTIC**
SUBGLACIAL BASINS
COLLAPSE

The risk of climate tipping points is rising rapidly as the world heats up

Estimated range of global heating needed to pass tipping point temperature

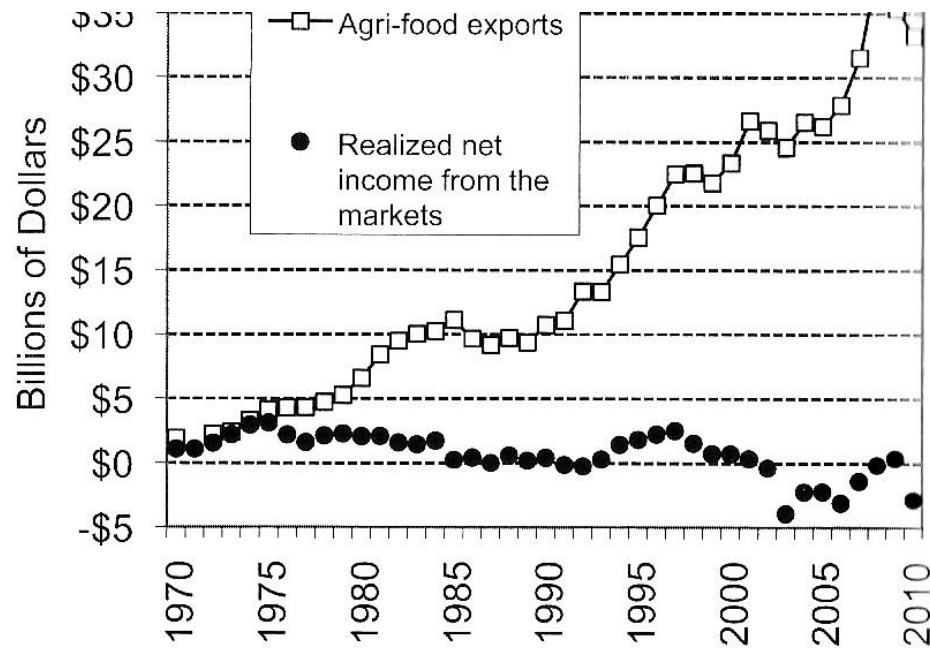


Guardian graphic. Source: Armstrong McKay et al, Science, 2022. Note: Current global heating temperature rise 1.1°C. Paris agreement targets 1.5-2.0°C.



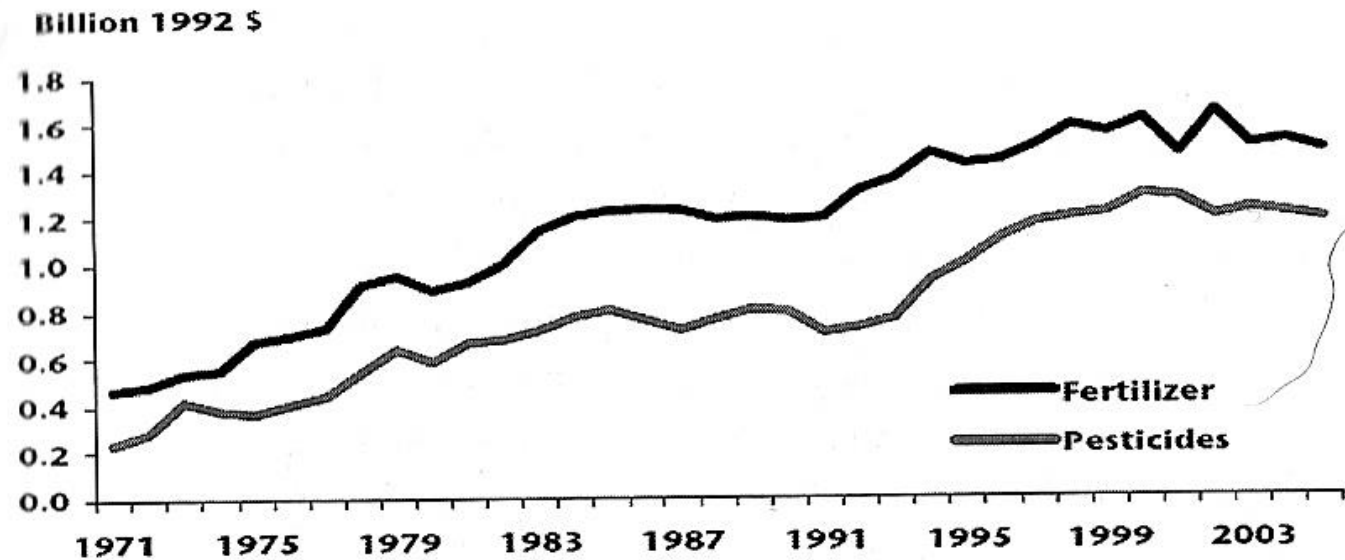
THE GLOBAL FOOD SYSTEM IS ALSO NOT SOCIALLY JUST, NOR ECONOMICALLY VIABLE

The Global Food System is Not Economically Viable



Sources: Export data provided upon request from Agriculture and Agri-Food Canada; AAFC, Agri-Food Trade Service <www.ats-sea.agr.gc.ca>; AAFC, *Medium Term Outlook for Canadian Agriculture: International and Domestic Markets*, January 2010. Income data from Statistics Canada, 2002, *Agricultural Economic Statistics*, Cat. No. 21-603-E May, Ottawa: Statistics Canada; Statistics Canada, 2010c, *Net Farm Income—Agriculture Economic Statistics*, Cat. No. 21-010-X, May,

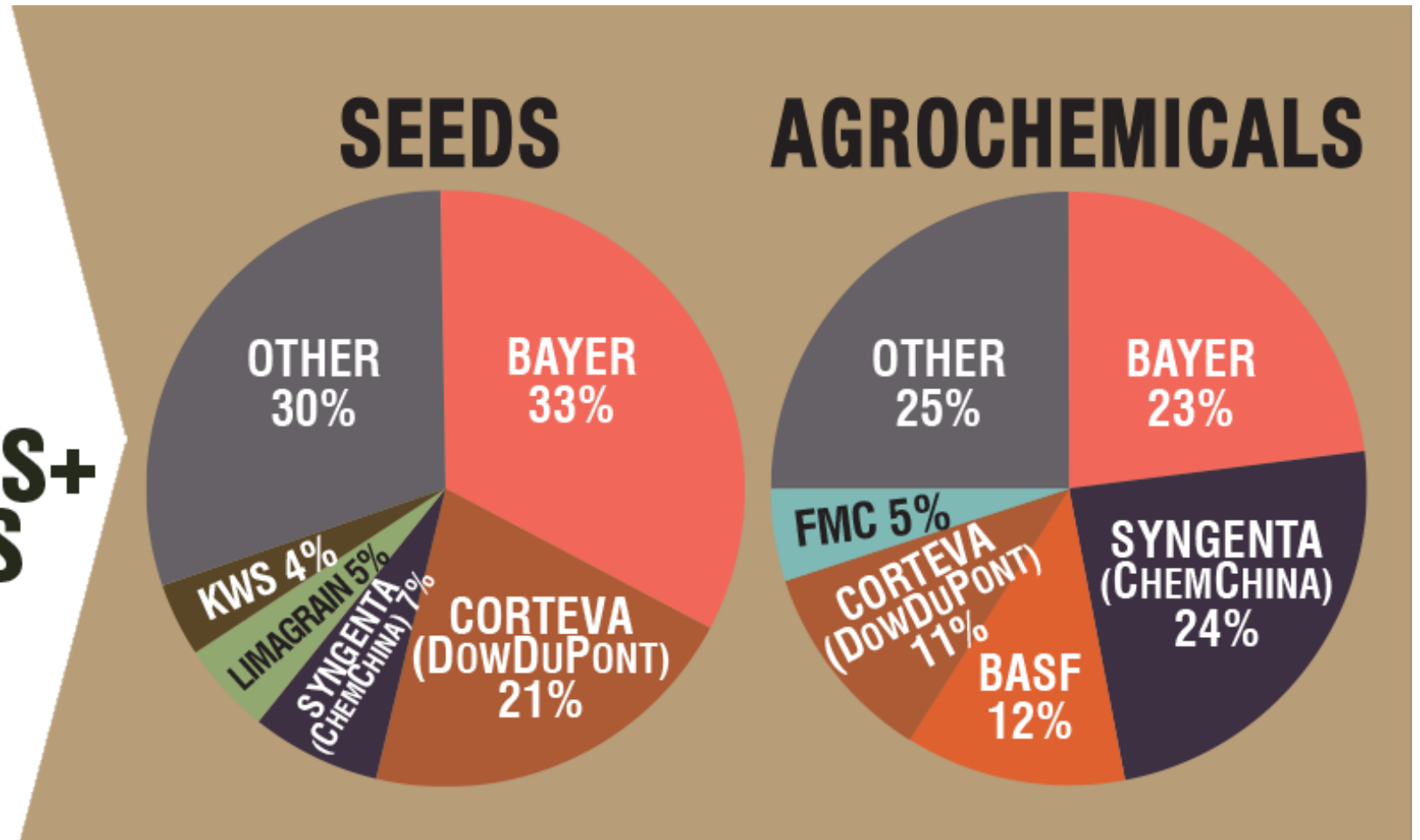
Figure 2-8 Canadian Farm Expenditures on Fertilizers and Pesticides (Adjusted for Inflation): 1971–2005



Sources: Agriculture and Agri-Food Canada, *An Overview of the Canadian Agriculture and Agri-Food System: 2007*, p. 124.

The Global Food System Becoming Increasingly Concentrated

CORPORATE CONTROL IN GLOBAL SEEDS+ AGROCHEMICALS POST-MERGERS



The Global Food System is Rooted in War, Death and Destruction

[Monsanto still uses chemicals that were used to kill people, but in our food](#)

- [Monsanto Ghostwriting Academic Papers](#)
- [Is Round-Up safe to drink?](#)
- [Farmer won lawsuit against Monsanto – Glyphosate causes cancer](#)
- [The World According to Monsanto](#)
- [Monsanto is now owned by Bayer who used to be part of I.G. Farben, manufacturing poisonous gas \(Zyklon B\) for concentration camps during the World War.](#)

BASF was also part of [IG Farben](#), a company that worked with the Nazis and tested chemicals and drugs on people, including Zyklon B

[Dow Chemical Invented Agent Orange](#)

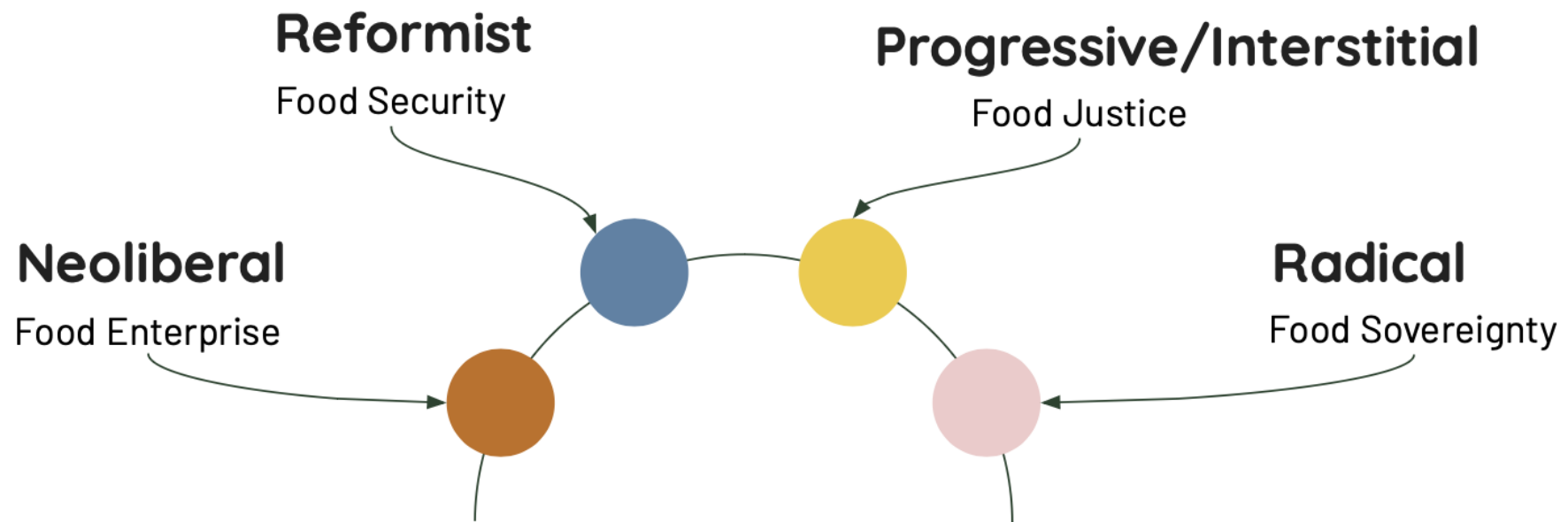
Dow Chemical, now owns Union Carbide was responsible for a large, devastating explosion in Bhopal, India:

- [The Bhopal disaster: Toxic legacy](#)
- [One Night in Bhopal](#)
- [The Bhopal Disaster](#)

Food System Change

CORPORATE FOOD REGIME

FOOD MOVEMENTS



Holt-Gimenez, E. (2017) *A Foodie's Guide to Capitalism: Understanding the Political Economy of What We Eat*, Monthly Review Press, New York.

Gibson Graham – Take back the Economy

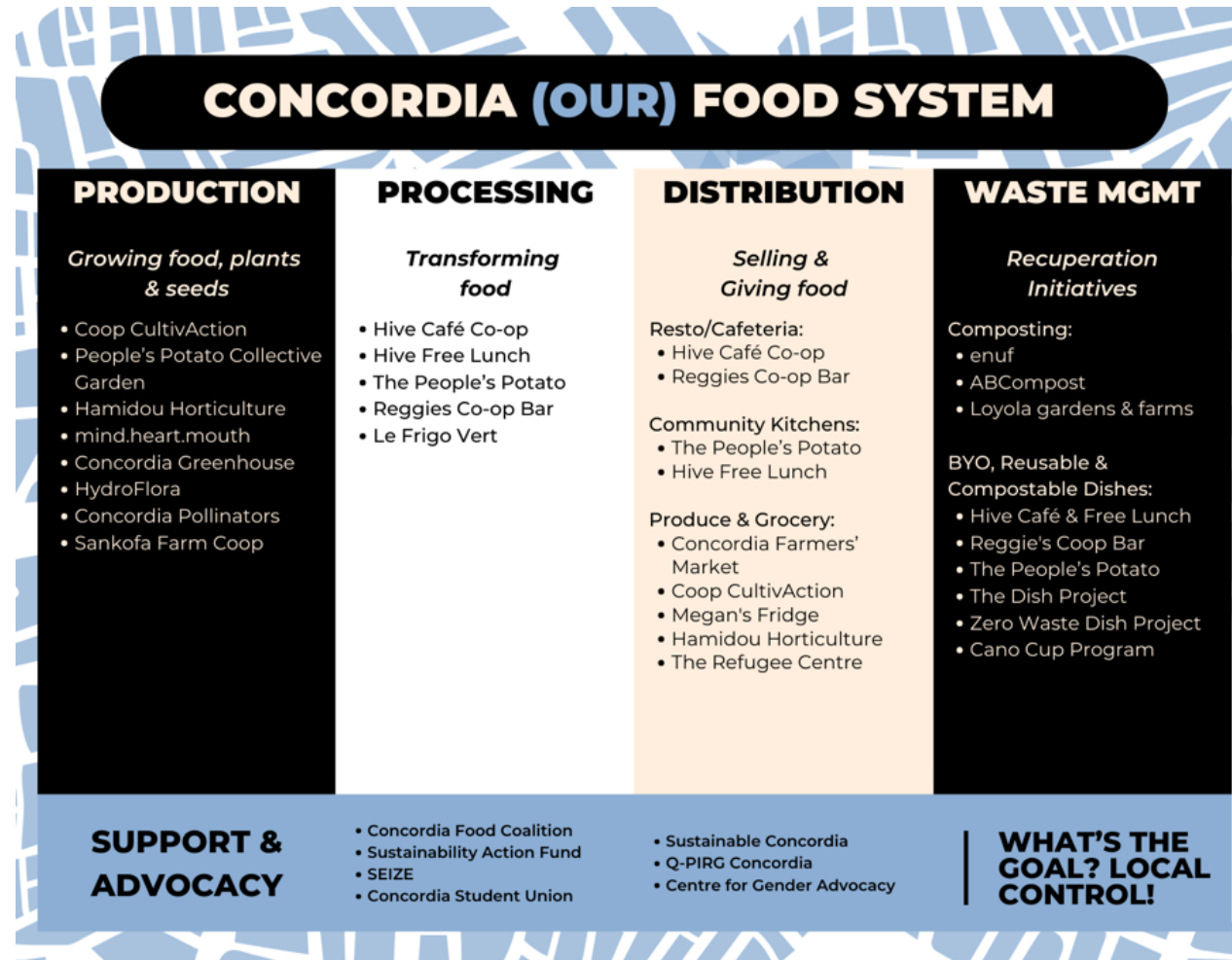
Gibson-Graham, J.K., Cameron, J., Healy, S. (2013) Take Back the Economy: An Ethical Guide for Transforming Communities, University of Minnesota Press

LABOR	TRANSACTIONS	PROPERTY	ENTERPRISE	FINANCE
Wage	Market	Private	Capitalist	Mainstream Markets
ALTERNATIVE PAID Self-employed Reciprocal labor In-kind Work for welfare	ALTERNATIVE MARKET Fair trade Alternative currencies Underground market Barter	ALTERNATIVE PRIVATE State-managed assets Customary (clan) land Community land trusts Indigenous knowledge (Intellectual Property)	ALTERNATIVE CAPITALIST State owned Environmentally responsible Socially responsible Non-profit	ALTERNATIVE MARKET Cooperative Banks Credit unions Community-based financial institutions Micro-finance
UNPAID Housework Volunteer Self-provisioning Slave labor	NON-MARKET Household sharing Gift giving Hunting, fishing, gathering Theft, piracy, poaching	OPEN ACCESS Atmosphere International Waters Open source IP Outer Space	NON-CAPITALIST Worker cooperatives Sole proprietorships Community enterprise Feudal Slave	NON-MARKET Sweat equity Family lending Donations Interest-free loans

The background of the slide features a blurred image of a laboratory rack filled with numerous test tubes. The tubes are arranged in rows, and their caps are visible. The overall color palette is muted, with greys and blues, creating a professional and scientific atmosphere.

Post-Secondary Institutions as Transformative Food Hubs

Concordia Campus-Community Food System



Le Frigo Vert



The People's Potato



coalition

The Hive



The Concordia Greenhouse



The Concordia Food Coalition?

Our Vision

Food sovereign communities at Concordia University and beyond.

Our Mission

The CFC brings together students, faculty, staff and community members to co-create campus-community food sovereignty. Through education, incubation and innovation, we collaborate to build sustainable, accessible and democratic local food systems.

Our Values

Community, Cooperation, Inclusion, Solidarity, Innovation and Regenerative Practices.



CultivAction Solidarity Cooperative





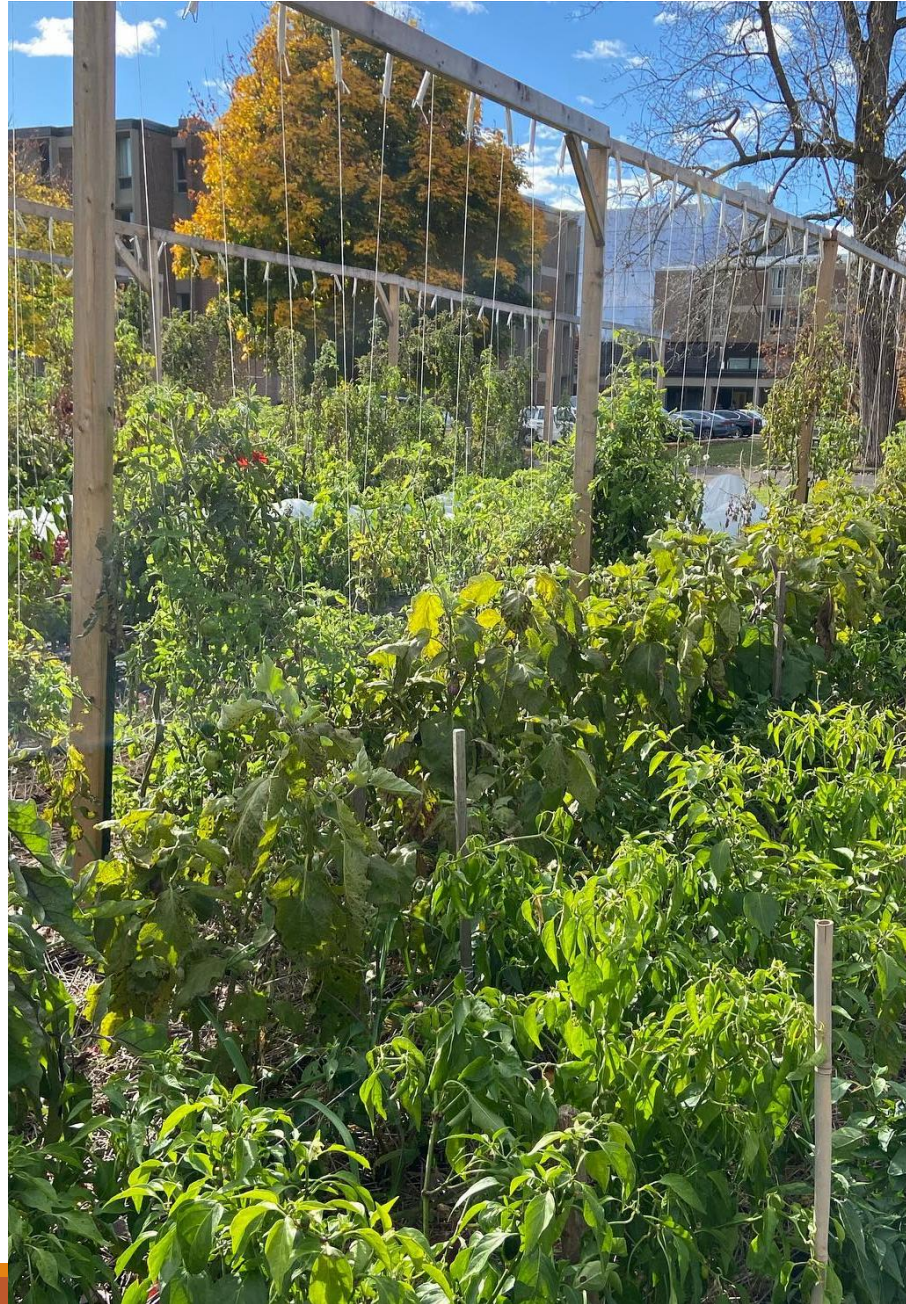


































Thank You!

Questions, concerns, comments?