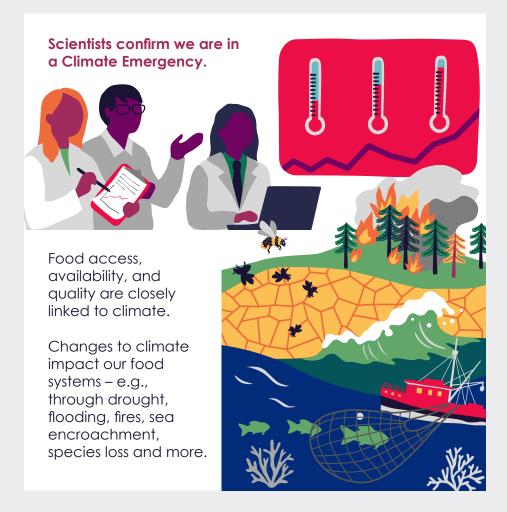
ACT4FOOD ACT4CHANGE

FOOD SYSTEMS + CLIMATE CRISIS

Our world is warming

Greenhouse gasses (GHGs) are driving dangerous increases in global temperature, sealevel rises, and more frequent extreme weather.





Food matters

The climate emergency will persist unless we transform food systems, which contribute some 21-37% to GHG emissions.

GHG emissions arise along the food supply chain

- Growing
- Processing
- Storing
- Refrigeration
- Transport
- Cooking
- Packaging
- Retail
- Waste

Emissions vary by food type and system but are generally higher for red meat and dairy. Too often, the way we produce food fuels global temperature rises.

On average, people in high-income countries eat more animal-sourced foods (ASF) than is good for personal and planetary health.

In low-income countries, people need to eat more ASF for health reasons, while transforming to more **climate-friendly** ways of production.





Individuals can make meaningful changes, but governments and businesses have a **critical responsibility** to make positive change possible at scale.





REFERENCES

Garnett, T., P. Smith, W. Nicholson, and J. Finch. Food systems and greenhouse gas emissions; 2016. FCRN. https://www.tabledebates.org/chapter/food-systems-and-greenhouse-gas-emissions

IPCC. Climate Change and Land: an IPCC special report on climate change, desertification, land degradation, sustainable land management, food security, and greenhouse gas fluxes in terrestrial ecosystems; 2019. [P.R. Shukla, J. Skea, E. Calvo Buendia, V. Masson-Delmotte, H.-O. Pörtner, D. C. Roberts, P. Zhai, R. Slade, S. Connors, R. van Diemen, M. Ferrat, E. Haughey, S. Luz, S. Neogi, M. Pathak, J. Petzold, J. Portugal Pereira, P. Vyas, E. Huntley, K. Kissick, M. Belkacemi, J. Malley, (eds.)]. In press.

Ripple, W.J., C. Wolf, T.M. Newsome, J.W. Gregg, T.M. Lenton, I. Palomo, J.A.J. Eikelboom, B.E. Law, S. Huq, P.B. Duffy, and J. Rockström. World Scientists' Warning of a Climate Emergency 2021; 2021. BioScience 71; pp 894-898. https://academic.oup.com/bioscience/article/71/9/894/6325731

