

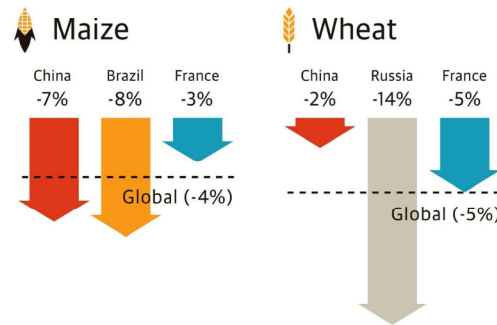
# Climate change, food and farming: 2010s



According to the Fifth Assessment Report of the IPCC, climate change is affecting food and farming now

## It is affecting crop yields

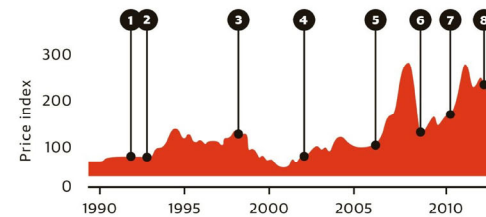
Maize and wheat yields show climate impacts



## It is putting up prices

Recent price spikes for food have been linked to extreme weather events

SEASONAL CLIMATE EXTREMES AND THE FOOD PRICE INDEX



1. Australia wheat.
2. US maize.
3. Russia wheat.
4. US wheat, India soy, Australia wheat.
5. Australia wheat.
6. Argentina maize, soy.
7. Russia wheat.
8. US maize.

## Tropical regions are most vulnerable

Percentage of people undernourished (2011-13):



## Poor people are worst affected

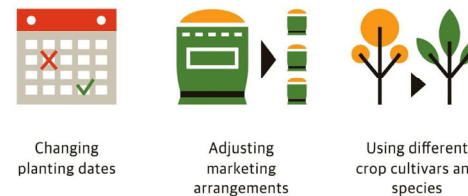
Poor people spend a higher proportion of their income on food - so price rises affect them more

HOW MUCH OF THEIR INCOME DO POOR PEOPLE SPEND ON FOOD?



## Adaptation is happening, but is not enough

Farmers are:



SOURCES: Porter, J. R., Xie, L., Challinor, A., Cochrane, K., Howden, M., Iqbal, M. M., Lobell, D., Travasso, M. I. 2014. Food Security and Food Production Systems. In: Climate Change 2014: Impacts, Adaptation, and Vulnerability. Contribution of Working Group II to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change. <http://www.ipcc-wg2.gov/> With data from Lobell et al 2011. FAO 2014. US DOL 2014