Food Systems
We need dynamic food systems that respond to countries’ needs in a responsible and sustainable way.

Our research in food systems is developing the innovative tools and technologies needed to:

- tackle food security
- prevent malnutrition
- put in place sustainable agriculture
- adapt to climate change
- conserve water resources
- combat land degradation

For food systems to be fit for purpose and sustainable they must transform to deliver the needs of populations that depend on them for survival. This is especially those most vulnerable to environmental challenges: climate change, drought, flooding etc.

Examples of how Newcastle University researchers in food systems are making a difference globally:

- working with communities in low to middle income countries to co-design research and co-produce knowledge in food systems using a multi-stakeholder approach
- preventing food waste and incorporating sustainability practices into food manufacturing
- using renewable energy to prevent post-harvest food losses and increase agricultural productivity
- low-input agriculture and targeted pest management using biopesticides
- tracking nutrient supply chains for feeding cities

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