Climate change poses a serious threat to food security. The greatest vulnerabilities to climate change impacts are in sub-Saharan Africa and South and South-east Asia. Food insecurity and climate change vulnerability present day.

Significant improvements can be achieved with the introduction of sustainable agricultural practices. Smallholders need support to access the right technologies to implement them.

Responding to climate change: Innovation is key to farm system adaptation.

Some examples of sustainable agriculture practices:
- Cultivating nitrogen-efficient crop varieties
- No-till
- Cultivating heat-tolerant crop varieties
- Precision agriculture
- Integrated soil fertility management
- Improved pasture management
- Improved fodder grasses or legumes
- Natural predation of pests and reduction of pesticides
- Cultivating drought-tolerant crop varieties
- Drip irrigation
- Water harvesting & sprinkler irrigation

How we mitigate climate change and adapt to it today will determine whether humanity succeeds in eradicating hunger and poverty by 2030.