

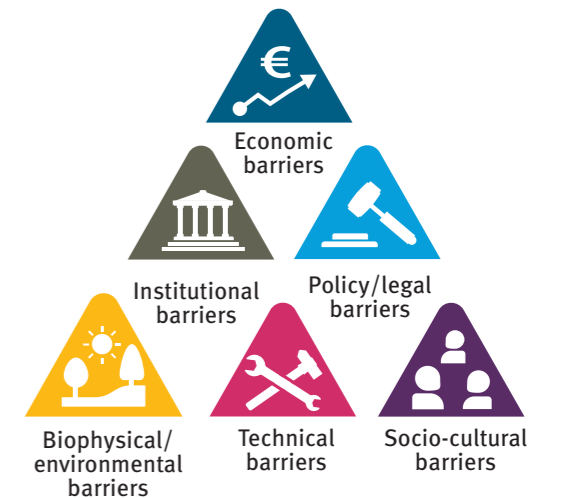
Agriculture and climate change

Barriers and recommendations for reducing GHG emissions in the agricultural sector

A fifth to a third (21-37%) of global greenhouse gas emissions are related to our food systems.

Source: IPCC, 2019.

21 - 37%



Agriculture provides food and livelihoods for people worldwide.

Mitigation is key: Agricultural practices need to become more sustainable to reduce emissions.

Adaptation is key: The effects of global warming can lead to crop failures and threaten livelihoods in rural areas.

Measures to reduce emissions face various implementation barriers:

FARM LEVEL



Recommendations to address barriers at farm level

- Enhance capacity-building to disseminate information to local actors
- Design trainings and financial support in a way that appreciates local knowledge and engages local stakeholders (peer-to-peer learning)
- Increase financial support (e.g. microfinancing) and economic incentives to implement sustainable practices

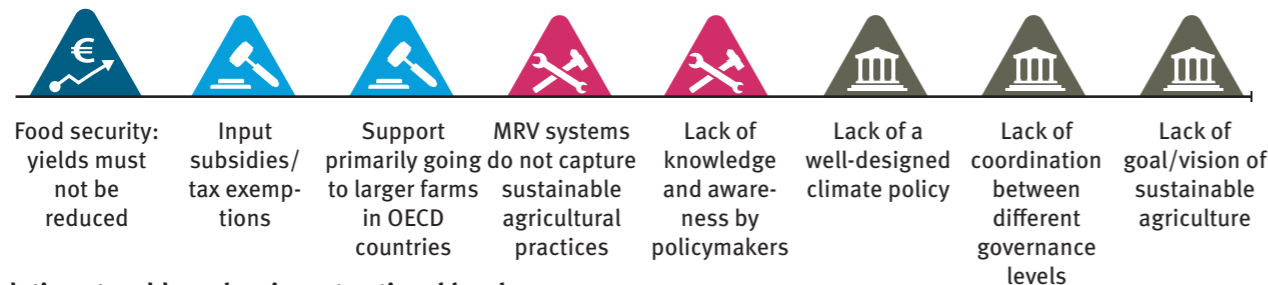
INTERNATIONAL LEVEL



Recommendations to address barriers at international level

- Set a global framework for sustainable agriculture through multilateral initiatives and global summits
- Change policies and trade structures to enhance fair trade and increase prices paid to farmers and reduce unsustainable subsidies
- Enhance research on common definitions, metrics and indicators

NATIONAL LEVEL



Recommendations to address barriers at national level

- Redirect public support to promote sustainable practices
- Reform agricultural subsidies to decouple support from production volumes
- Set higher taxes and stricter regulation for unsustainable practices
- Improve tenure security

CONSUMER LEVEL



Recommendations to address barriers at consumer level

- Support behavioural changes through e.g. better packaging and "nudging" approaches that direct consumers to make better choices
- Expand product specifications to lower the standards for shape and appearance of food and change date labelling policies to reduce food waste
- Increase education and knowledge on sustainable diets