

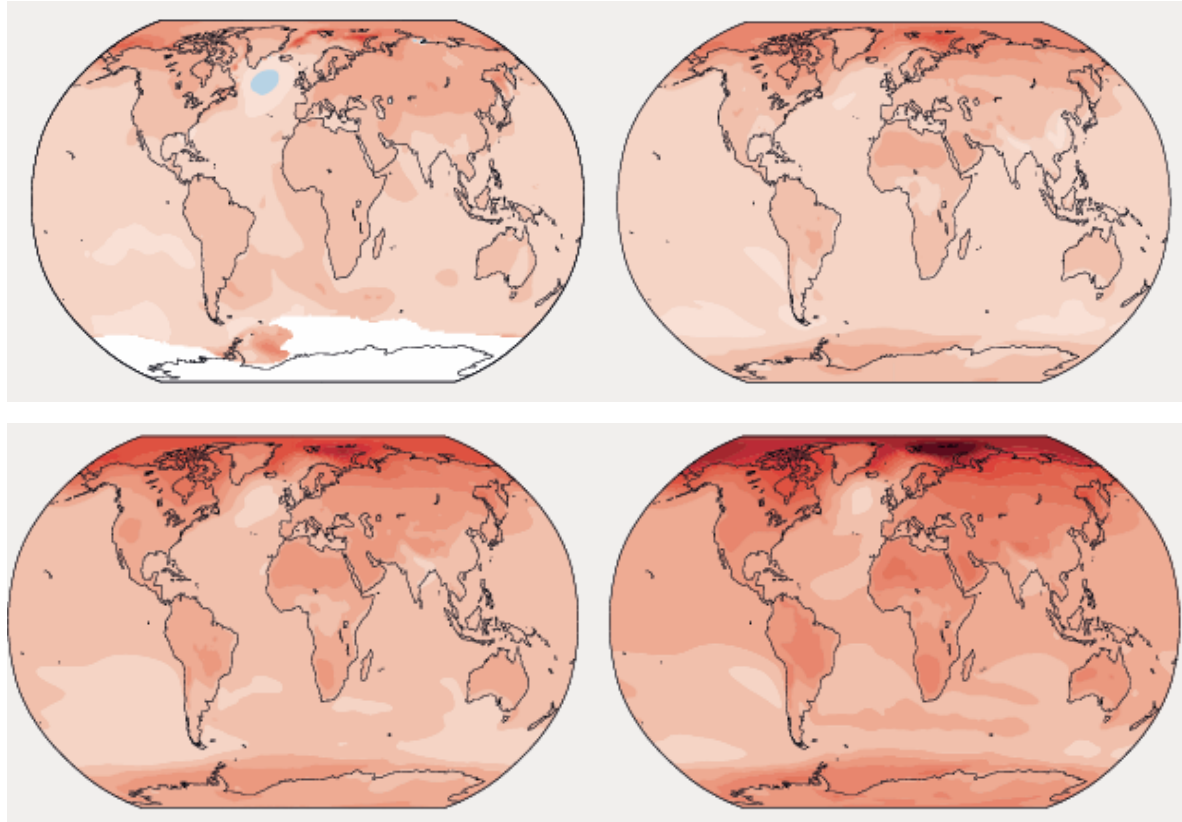


Insights into Climate-Smart Agriculture

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Background



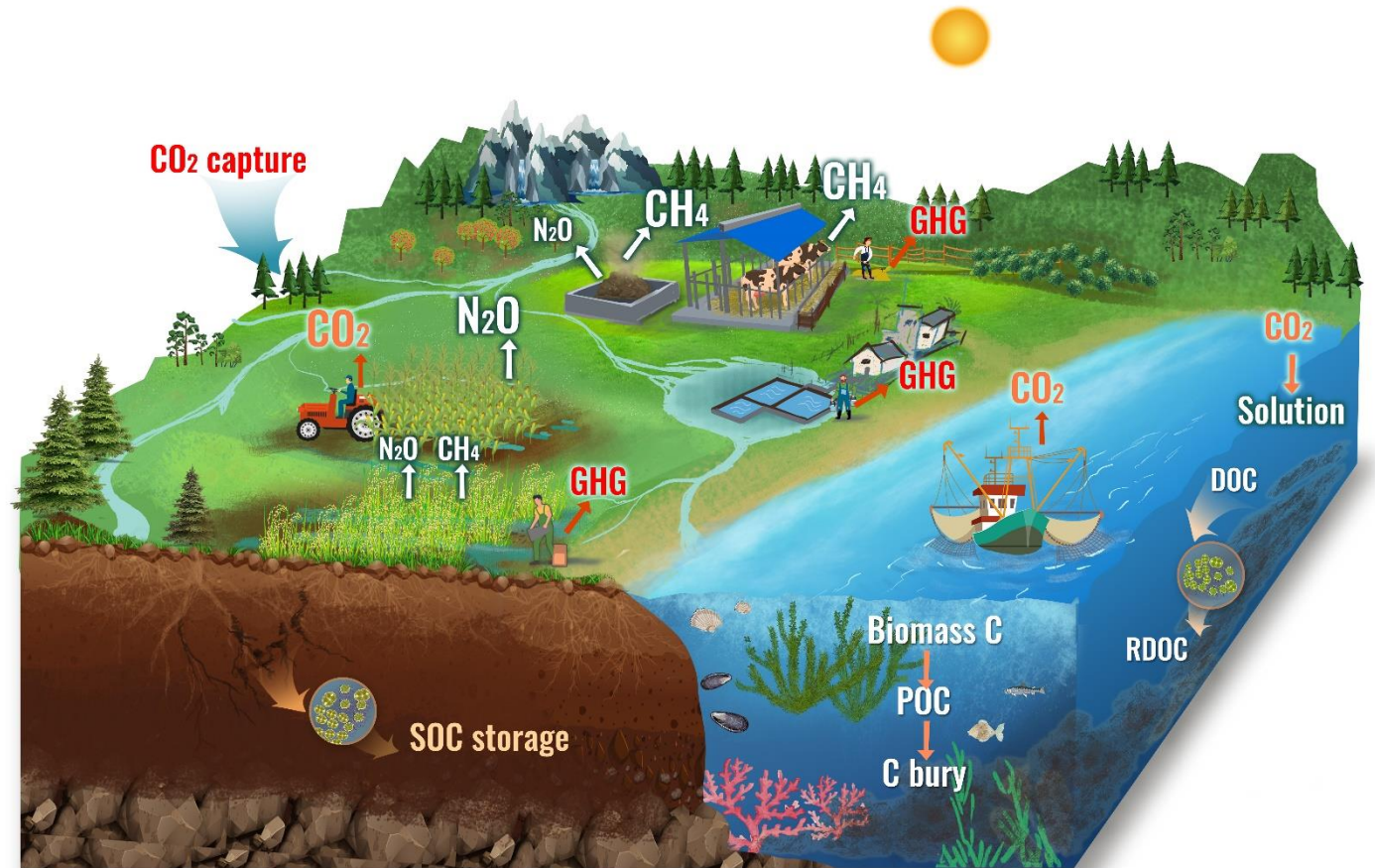
Global warming is accelerating

- Agriculture has received increasing attention in its relationship with climate change
- FAO first proposed to develop "climate-smart agriculture" at the Hague Conference in 2010
- There is no clear and unified understanding of its scientific connotation

Impacts of agriculture on climate change



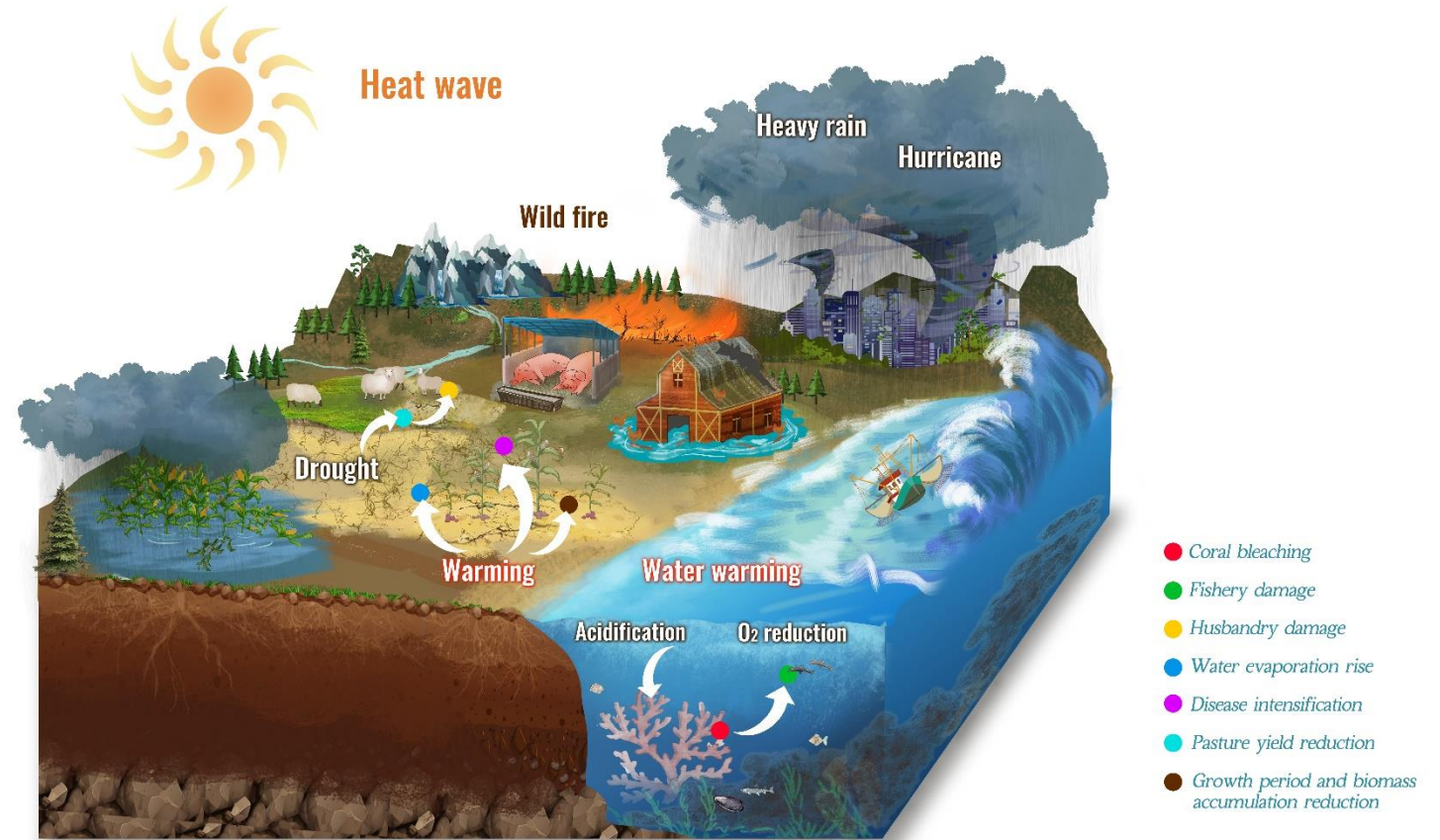
- Agriculture as an important source of GHG emissions
- Agriculture as a key carbon sink





Treats of climate change to agriculture

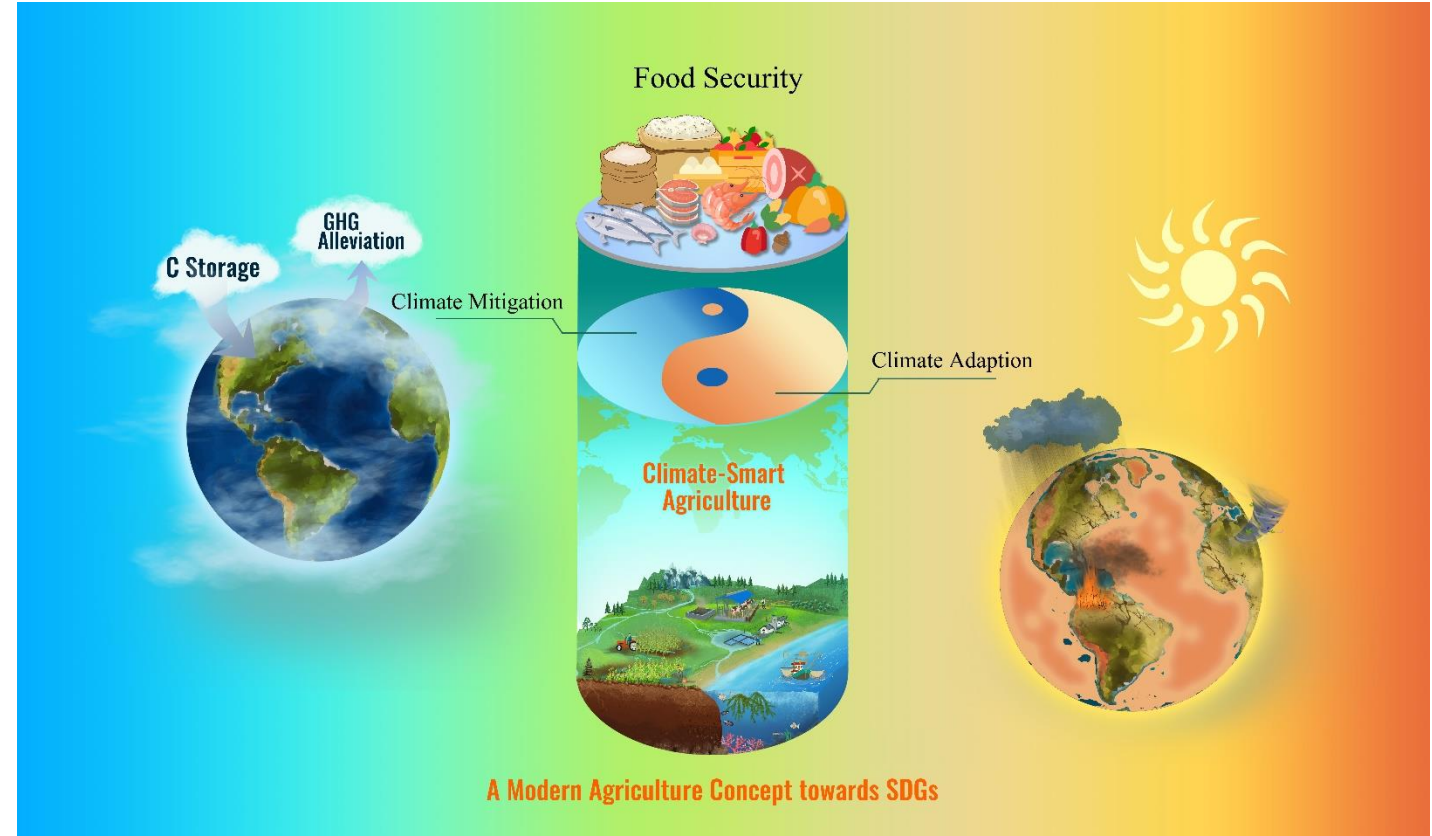
- Both the IPCC and the FAO have listed agriculture as one of the most vulnerable sectors in response to climate change
- Climate change has caused a net yield reduction of approximately 9.5% since the start of industrial revolution for four major food crops
- Extreme weather had significantly reduced global grain production by 9–10% during the 1964–2007 period





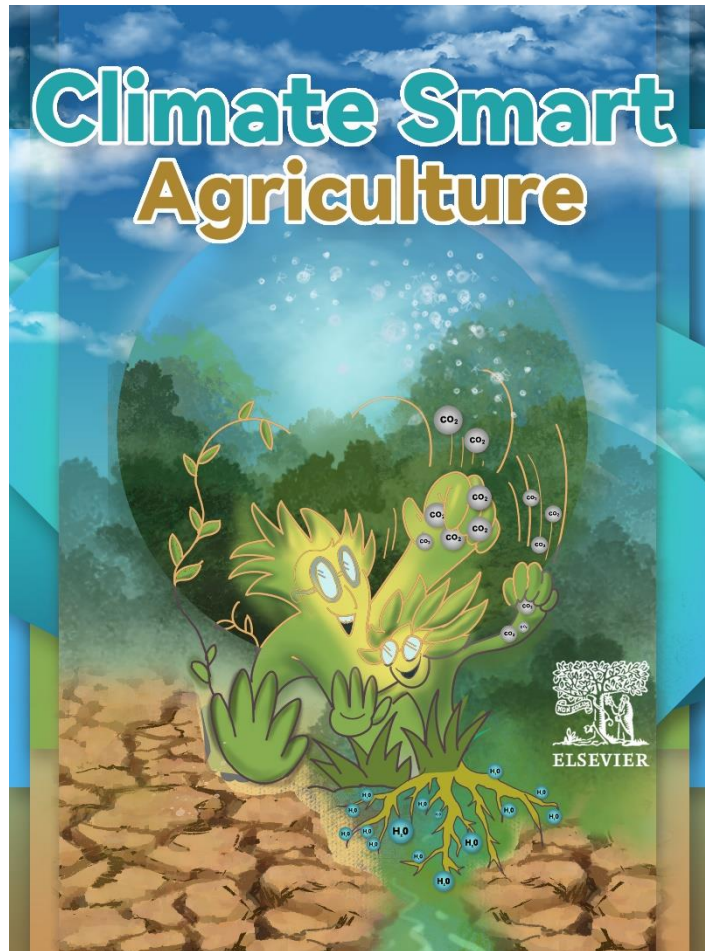
The scientific connotation of climate-smart agriculture

Climate-smart agriculture represents a modern production approach to coordinatively promote food security, climate mitigation benefits and agricultural adaptation to climate change towards the Sustainable Development Goals





A new journal of **Climate Smart Agriculture**



- Published by Elsevier, a global leader in publishing, education and research
- Focus on topics such as carbon sequestration, greenhouse gas mitigation and climate adaption in agriculture
- Publish original research articles, reviews, perspectives, and comments and so on

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