



Which of the following best describes your situation?

Member of the public

How would you like to respond?

a. Answer discussion paper questions via the online survey

What are the opportunities to reduce emissions and build carbon stores in agriculture and the land? What are the main barriers to action?

Focus on process changes, particularly the potential for regenerative agriculture systems to increase soil C. Prime barrier is the reluctance of mainstream agriculture / industrial agriculture to embrace to concept openly.

How can we progress emission reduction efforts whilst also building resilience and adapting to climate change?

Improve nutrient use and application efficiency to reduce gaseous losses. Improve waste management, particularly from animal effluent and horticulture. Consider partnering with waste water producers to generate energy through cogeneration facilities.

Are there initiatives or innovative programs underway that could be applied or expanded on at a national scale?

Circularity - e.g. co-locating horticulture with wastewater treatment plants to make use of water and nutrient outputs and incorporate organic wastes in the waste water biodigestion process. Researching drivers for use of asparagopsis in animal feed (e.g. weight retention) to make convincing economic rationale for its use.

What are the most important options to be further adopted or supported, looking in the short and the longer-term?

On-farm production of renewable energies, either for export or self-sufficiency. Agriculture has large amounts of land area that could be used for windmills and PV panels in harmony with agricultural production. Adoption of electricity based plant, with on-farm energy battery storage.

What are the practical solutions to increase uptake?

Economics of changing from fossil fuels and availability of suitable electric plant.

How do you see the agriculture and land sectors contributing over the medium and longer-term? What are the opportunities to deliver emission reductions in parallel with wider goals?

Soil carbon storage through changed practices. Land area for renewables generation. Feedstock for biodigesters to make energy. Biological offsets for other industries on appropriate soil types. Technology to reduce emissions from ruminants.

How can the Australian Government better support agriculture and land sectors to:

a) drive innovation

b) build capacity

c) ensure the system enables emissions reductions

Support development of appropriate monitoring systems, e.g. remote sensing for soil C. Support development of verification and indicator approaches to ensure the veracity of emissions accounting and reductions claims. Explore models for uptake to ensure full participation of the industry.

What new initiatives could the Australian Government design that would support emissions reduction and carbon storage in agriculture and land and help ensure a productive, profitable, resilient and sustainable future for the sectors?

Change from a focus on farmgate value of production to gross margin - to reduce the focus on inputs and increase the focus on efficiency. Support plant based-foods industry to reduce the focus on ruminant production.

A consistent and trusted approach for assessing and reporting emissions is often raised as a barrier to reducing emissions. Is there a role for the Australian Government in addressing this concern, and how can producers and land managers be supported?

Support development of appropriate monitoring systems, e.g. remote sensing for soil C. Support development of verification and indicator approaches to ensure the veracity of emissions accounting and reductions claims. Explore models for uptake to ensure full participation of the industry.

What skills, knowledge and capabilities do you think producers and land managers need to implement change? What information and data would help them make decisions about emissions reductions and sustainable land management in the short and longer-term?

Understand how to incorporate PV panels and wind turbines on farms without compromising production, and maybe even benefitting production. Knowledge on implementing regenerative agriculture in different settings.

Is your response confidential?

No

Do you agree to your response being published on our website?

Yes

Please de-identify my response

Yes

I have read and understood the privacy notice and consent to the collection, use and disclosure of my personal information as outlined in the privacy notice.

Yes

Confirm that you have read and understand this declaration.

Yes
