













Australia

Emissions	Climate Commitment Status
<p>1.3% of global emissions¹</p>  <p>Agriculture = 69.8 MtCO₂eq in 2012² or 13% of total emissions excluding LULUCF ↓ -18% since 1990</p> <p>-26.3 MtCO₂eq LULUCF emissions in 2012³</p> <p>Net sink of emissions</p>	<p>2020 update submitted⁴ ✓</p> <p>LTS not yet submitted ✗</p> <p>CAT rating⁵ HIGHLY INSUFFICIENT</p> <p>Net zero commitment: Net zero emissions "as soon as possible" (Source: 2020 NDC)</p> <p>Net zero details:</p> <p>Date: Uncertain</p> <p>Legal status: In policy document</p> <p>Gases covered: Uncertain</p> <p>Credits allowed: Uncertain</p>

How action-oriented are the NDCs in the food and land sector?

Criteria	NDC Assessment
<p>Specific policy priorities or actions for agriculture and food:</p> <ul style="list-style-type: none"> The NDC provides a general update on newly announced policies and measures, and a snapshot of progress on policies and measures outlined in the 2015 NDC Strong focus on public investment in new and emerging low emission technologies and the substitution of "existing higher emission technologies and practices with cleaner, more efficient and lower cost technologies" and bringing these low emissions technologies to economic parity with existing technologies The NDC does not include a specific agriculture section but indicates soil carbon as one of five priority technologies As of September 2020, a new Technology Co-Investment Fund will be designed to support businesses in the agriculture, manufacturing, industrial and transport sectors to adopt technologies that increase productivity and reduce emissions Significant methodological improvements for measuring emissions from the sector are noted 	<p>▲</p> <p>Medium: NDC mentions generic orientations of actions, commitment or strategy in the agriculture and food sector but provides little detail of specific sub-sector orientations pursued by the Party</p>
<p>Specific policy priorities or actions for LULUCF:</p> <ul style="list-style-type: none"> NDC does not explicitly mention mitigation from LULUCF but notes significant methodological improvements in the estimation of synthetic GHG and fugitive emissions, and emissions from LULUCF and wetlands Australia's low emissions technology investment priorities includes carbon capture and storage, which could have an impact on land use, but no details are provided Section on adaptation and resilience mentioning domestic investments of over \$15 billion in natural resource management, water infrastructure, drought and disaster resilience and recovery 	<p>○</p> <p>Low: NDC does not cover LULUCF or provides no detail on general or specific orientations, or only in contextual manner</p>
<p>Key policies in the NDC supporting priorities:</p> <p>Agriculture and food:</p> <ul style="list-style-type: none"> The NDC mentions the Technology Co -Investment Fund that supports businesses in agriculture and other sectors, but this is not a sectoral policy <p>LULUCF:</p> <ul style="list-style-type: none"> N/A 	<p>○</p> <p>Low: NDC does not list any sectoral policy related to agriculture, food or LULUCF</p>
<p>Dedicated financial resources associated with policies or action:</p> <ul style="list-style-type: none"> NDC mentions the Technology Co -Investment Fund that supports businesses in agriculture and other sectors Australia's Technology Investment Roadmap will guide the deployment of an estimated \$18 billion from the Australian Government and \$50 billion from the private sector; an unspecified part of this will be dedicated to soil carbon technologies Domestic investments with respect to adaptation of over \$15 billion in natural resource management, water infrastructure, drought and disaster resilience and recovery, including \$369 million in climate science and adaptation research and services 	<p>▲</p> <p>Medium: NDC provides a general indication on existing or planned public funding to finance mitigation policies and actions in either agriculture and food or LULUCF</p>
<p>Spatial information for mitigation provided in the NDC:</p> <ul style="list-style-type: none"> N/A 	<p>○</p> <p>Low: NDC does not provide any information on spatial planning to support adaptation or mitigation actions in the food and land sectors in the form of maps or indications of spatial data</p>

Criteria		NDC Assessment
Technology details provided in the NDC: <ul style="list-style-type: none"> The Technology Co-Investment Fund will support businesses in the agriculture, manufacturing, industrial and transport sectors to adopt technologies that increase productivity and reduce emissions The first Low Emissions Technology Statement was released on 22 September 2020 and includes soil carbon as one of the 5 key priorities Australia's Technology Investment Roadmap will guide the deployment of an estimated \$18 billion from the Australian Government and \$50 billion from the private sector; an unspecified part of this will be dedicated to soil carbon technologies 		 <p>Medium: NDC provides a general indication of technological development needs or plans related to agriculture, food or LULUCF</p>
What specific policy measures are included in the NDCs regarding critical food and land transitions?		
Critical transition	Details	NDC Assessment
Healthy diets	<ul style="list-style-type: none"> N/A 	 <p>NDC does not mention any detail on the critical transition</p>
Productive and regenerative agriculture	<ul style="list-style-type: none"> New Technology Co-Investment Fund to support businesses in the agriculture, manufacturing, industrial and transport sectors to adopt technologies that increase productivity and reduce emissions 	 <p>NDC lists essential actions, including specific commitments, strategies, or funding, related to the critical transition</p>
Protecting and restoring nature	<ul style="list-style-type: none"> N/A 	 <p>NDC does not mention any detail on the critical transition</p>
A healthy and productive ocean	<ul style="list-style-type: none"> N/A 	 <p>NDC does not mention any detail on the critical transition</p>
Diversifying protein supply	<ul style="list-style-type: none"> N/A 	 <p>NDC does not mention any detail on the critical transition</p>
Reducing food loss and waste	<ul style="list-style-type: none"> N/A 	 <p>NDC does not mention any detail on the critical transition</p>
Local loops and linkages	<ul style="list-style-type: none"> N/A 	 <p>NDC does not mention any detail on the critical transition</p>
Digital revolution	<ul style="list-style-type: none"> New Technology Co-Investment Fund to support businesses in the agriculture, manufacturing, industrial and transport sectors to adopt technologies that increase productivity and reduce emissions. Additional listed measures to support decarbonisation include a Carbon Capture, Use and Storage Development Fund to support investment in pilot carbon capture projects. 	 <p>NDC provides inexplicit or unclear information on the critical transition (topic is mentioned, but not as a policy action)</p>
Stronger rural livelihoods	<ul style="list-style-type: none"> N/A 	 <p>NDC does not mention any detail on the critical transition</p>
Gender and demography	<ul style="list-style-type: none"> N/A 	 <p>NDC does not mention any detail on the critical transition</p>

What specific institutional arrangements for climate have countries put in place?

Dedicated body in place:

- A Technology Investment Advisory Council comprising experts from business, investment and the research community will advise the development of annual Low Emissions Technology Statements to support the goals of the Technology Investment Roadmap

Consultation processes:

- No information

SUMMARY AND KEY OPPORTUNITIES FOR FUTURE NDCs AND NATIONAL IMPLEMENTATION

Summary of the NDC analysis:

- The NDC provides few and generic indications of actions to be taken in the food and land sector. Only two orientations are mentioned: (1) a focus on soil carbon as one of the key priority areas for technology development, and (2) the development of a Technology co-investment Fund to help businesses across sectors, including agriculture. No orientations are provided in the LULUCF sector.
- No policies are mentioned beyond a generic description of the Technology Investment Fund to support businesses in the agriculture, manufacturing, industrial and transport sectors to adopt technologies that increase productivity and reduce emissions. No additional details are provided.
- No mention is made of the use of spatial planning or spatial information.
- Information is provided on domestic investments for adaptation as well as soil carbon technologies, though no further detail is provided on means to finance the reduction of emissions or increase of sinks in the food and land sector.
- The NDC does not address key transitions well. While the NDC addresses agriculture, technology and financing, it provides little detail on specific targets, indicators and policies.

REFERENCES

1. Source: ClimateWatch, accessed 30 August 2021. <https://www.climatewatchdata.org/compare-all-targets?>
2. Source: UNFCCC, Greenhouse Gas Inventory Data, accessed 30 August 2021. https://di.unfccc.int/detailed_data_by_party
3. Source: UNFCCC, Greenhouse Gas Inventory Data, accessed 30 August 2021. https://di.unfccc.int/detailed_data_by_party
4. Submitted 31 December 2020. Source: UNFCCC. <https://www4.unfccc.int/sites/ndcstaging/PublishedDocuments/Australia%20First/Australia%20NDC%20recommunication%20FINAL.PDF>
5. Climate Action Tracker, accessed 15 September 2021. <https://climateactiontracker.org/countries/australia/>