# ESG opportunities for the agriculture sector in Queensland

Queensland Agri-ESG Community of Practice

22 April 2024





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working world

EY acknowledges Aboriginal and Torres Strait Islander peoples as the first peoples of Australia and the Traditional Owners of this land and its waters. We pay our respect to Elders, knowledge holders and leaders both past and present.

**Rainmaker Dreaming (2022)** By Arrernte artist and EY employee, Philly Kemarre

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Agenda

**1** ESG and sustainability

2 ESG drivers

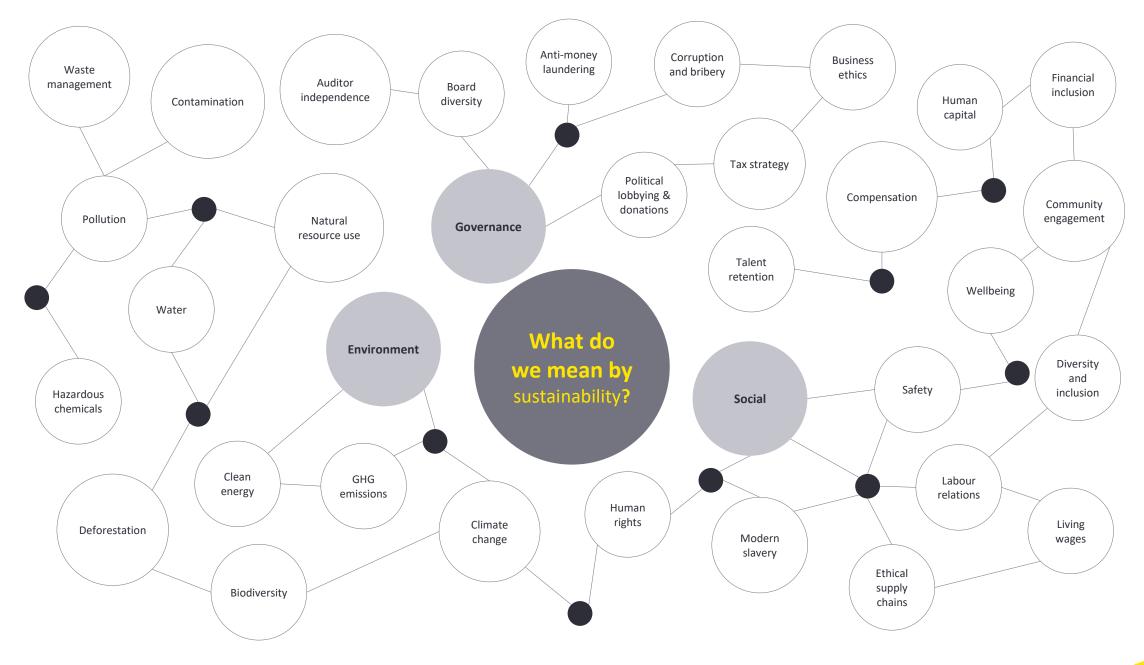
Focus areas and challenges

How can agribusinesses respond to ESG?

Q&A

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#### Defining sustainability and ESG

# 66

Sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs.

The Brundtland Report 'Our Common Future', 1987

# The creation of long-term value for the environment and society, now and into the future



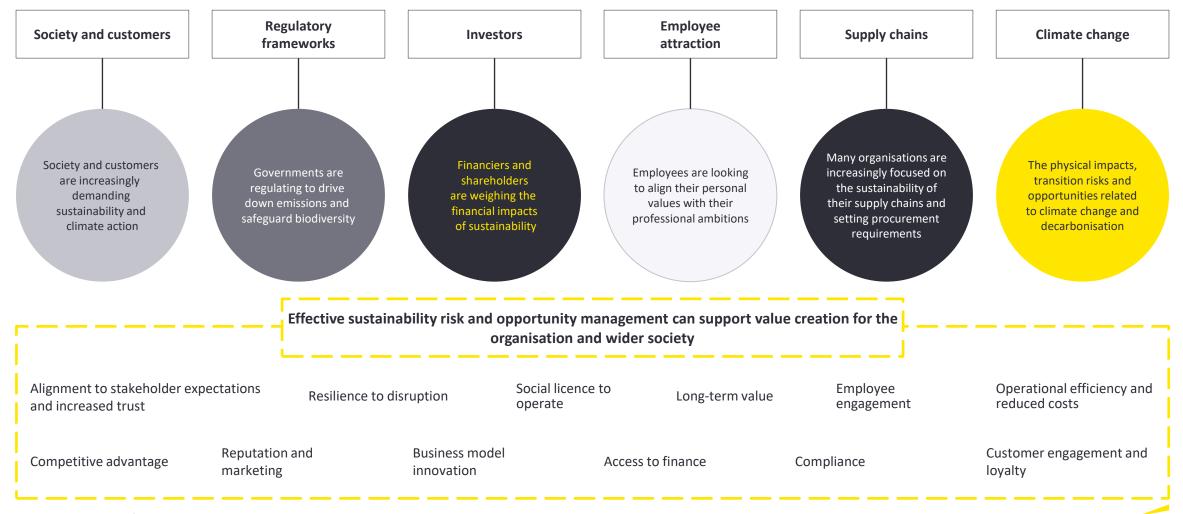
#### Top global risks ranked by severity





### External drivers for sustainability and ESG action

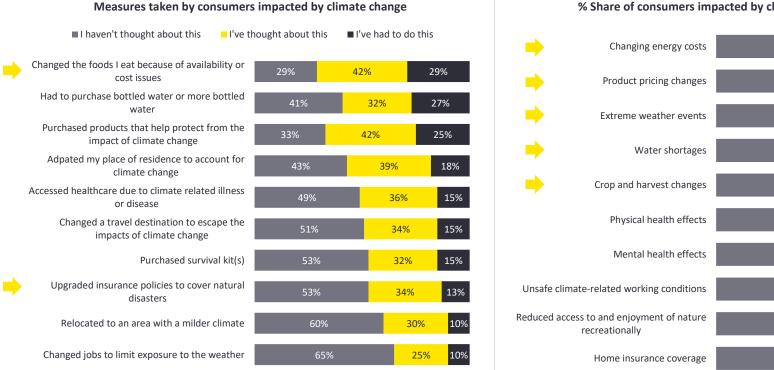
Companies are increasingly faced with new challenges to understand what it means to be a sustainable organisation and respond to multiple stakeholder needs.



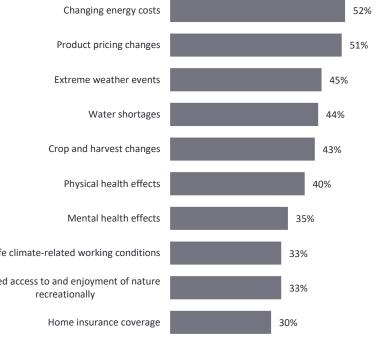
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#### Market trends across investors and consumer preferences

- Many consumers have already been forced to change how they live and what they buy because of the impact of climate change, according to EY global research.
- People are increasingly willing to pick sustainable products and to pay more for them, although this is still a growing minority view.
- Consumers are worried about the health of the planet and expect companies to show more leadership to reduce negative impact and increase positive impact.



#### % Share of consumers impacted by climate change



#### 90% of investors place importance on a company's ESG performance when making investment decisions

52% of consumers say they have more trust for companies that publicly share long-term sustainability and responsibility goals.

60% of surveyed business executives indicated that ESG information resides in a patchwork of software applications.

Source: 1 — Is your ESG data unlocking long-term value? https://www.ey.com/en\_uk/assurance/is-your-esg-data-unlocking-long-term-value | Source: 2 — The next frontier of sustainable choices - ey-sustainability-consumer-and-business-perspective (4).pdf | Source: 3 — How finance professionals are helping to advance ESG reporting - https://assets.ey.com/content/dam/ey-sites/ey-com/en\_us/news/2022/ey-how-finance-professionals-are-helping-to-advance-esg-reporting.pdf | Source: 4 — EY Future Consumer Index: when talk turns into action, be set for change - https://www.ey.com/en gl/insights/consumer-products/when-talk-turns-into-action-be-set-for-change

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## Global and domestic landscape across ESG agenda and regulatory frameworks

National and global policy and regulatory trends are accelerating expectations for sectors including agriculture to take action on sustainability.

		Global			Australia	
ESG agenda	Taskforce on Climate- related Financial Disclosure (TCFD)	Taskforce on Nature- related Financial Disclosure (TNFD)	International Sustainability Standards Board (ISSB)	Australian company directors and nature- related risk	Nature Repair Market	Net zero targets (Federal, States and Territories)
	Sustainability Accounting Standards Board (SASB) Global Reporting Initiative (GRI)	The Global Biodiversity Framework	Climate & Nature Action 100	Climate and nature strategies (Federal, States, Territories and LGAs)	Meat and Livestock Australia Carbon Neutral 2030 (CN30)	Emissions Reduction Fund (Federal)
Regulations	Regulation on deforestation-free products	Carbon Border Adjustment Mechanism (CBAM)	Modern slavery legislation	Australian Sustainability Reporting Standards (ASRS) (Federal)	Modern Slavery Act (Federal)	Reforms to EPBC Act (Federal)
Regula	Sustainable Finance Disclosure Regulation (SFDR)	Mandatory climate- related disclosures	Mandatory climate- related disclosures	Vegetation management (QLD)	Reef Protection Regulations (QLD)	Environment Protection Australia (Federal)

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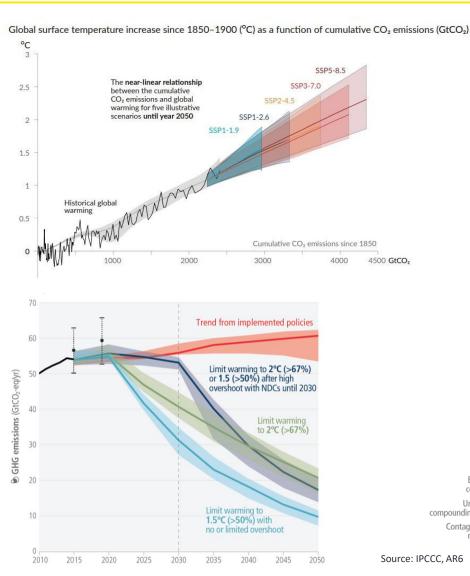
### Climate change

Every tonne of carbon dioxide equivalent (tCO<sub>2</sub>e) adds to global warming.

Acute physical risks include increased intensity of cyclones, severe floods and drought events.

Chronic physical risks include changes in precipitation patterns, rising mean temperatures and sea level

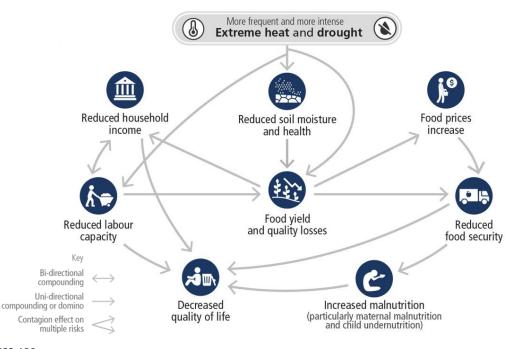
Projected global GHG emissions from NDCs announced prior to COP26 would make it likely that warming will exceed 1.5°C and also make it harder after 2030 to limit warming to below 2°C.



Cascading effects from climate change will have a significant impact across environmental, economic and social aspects.

This may include food production, nutrition, livelihoods and the well-being of small landholders and farmers.

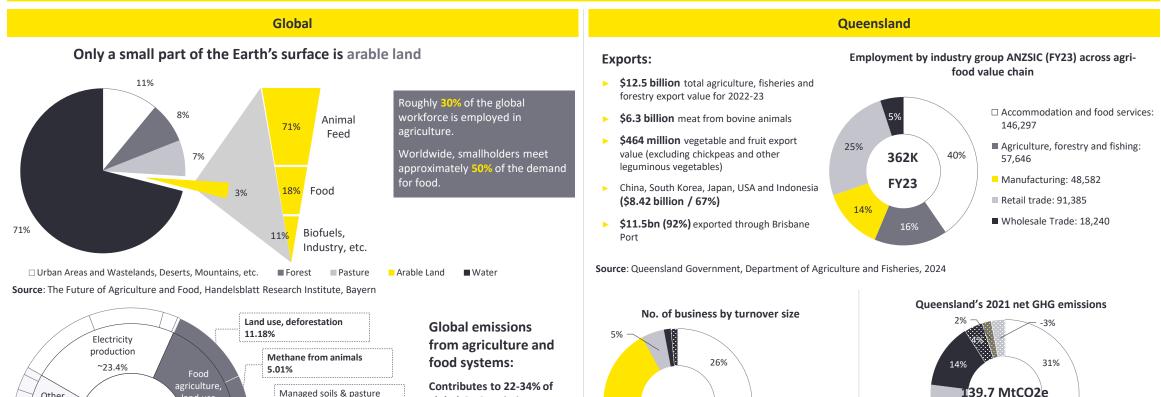
## Multiple climate change risks will increasingly compound and cascade in the near term

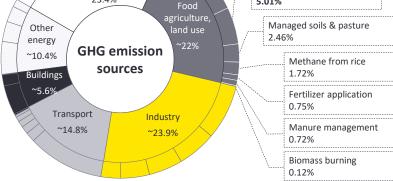


Source: IPCCC, AR6

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# The agriculture industry is a driver of social, economic and environmental outcomes at regional, national and global levels

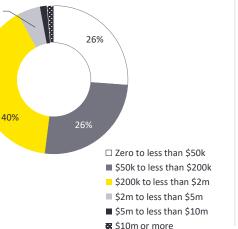




Source: Minx et al. (2021) and IPCC Sixth Assessment Report, Working Group Three

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**Contributes to 22-34% of global GHG emissions**. Biggest contributor to GHG emissions is deforestation 10-11%, whereas emissions across the value chain (transportation, packaging, refrigeration, cooking and food waste) are estimated to be 10-12%.



Source: Queensland Government, Department of

Agriculture and Fisheries, 2024

Source: National Greenhouse Accounts 2021

14%

Public electricity

energy

Transport

Agriculture

Stationary and industrial

15%

Fugitive emissions

Industrial processes

and forestry

Land use. land-use change

Waste



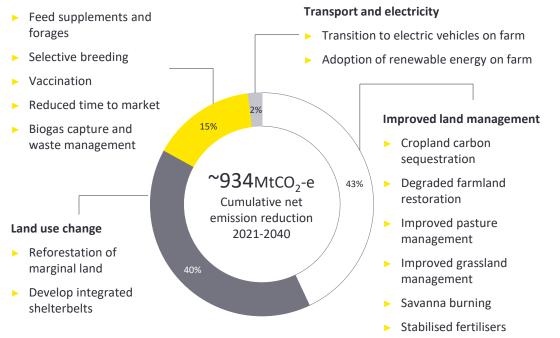
# Capitalising the opportunity linked to decarbonisation and environmental markets

The EY report for Farmers for Climate Action titled <u>'How can Australia's agriculture sector realise opportunity in a low</u> <u>emissions future?'</u>, identifies key economic opportunities for decarbonisation and natural capital co-benefits including improved land management and land use change.

In particular, there is a substantial economic opportunity associated with mechanisms such as nature markets, carbon farming and associated co-benefits.

#### Priority decarbonisation activities for agriculture and forestry

#### **Methane reduction**



Source: How can Australia's agriculture sector realise opportunity in a low emissions future?', EY, 2021

Synergies for the agriculture and forestry sectors to accelerate the transition to net-zero and support better environmental and economic outcomes

Nature-related

co-benefits

Return on investment

Protected areas of natural lands

Integrated pest management

connectivity

reforestation

Enhancement of natural lands and

Integrated coastal zone management

Ecosystem restoration, afforestation and

De-

carbonisation

#### Priority activities with a productivity, nature and carbon nexus

- Convert crop waste to energy
- Capture and reuse crop waste
- Increase fire management practices
- Optimise livestock management practices
- Planting of legume (N<sub>2</sub> fixing) crop species
- Retention of ground cover and stubble
- Optimise fertiliser, herbicide and pesticide use
- Optimise water management practices
- 3. This estimation is based on the pathway prepared for Farmers for Climate Action. EY considers that more ambitious pathways exist for decarbonisation in the forestry and agriculture sectors, subject to political factors and technology developments

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#### How can government support regional primary producers?

Achieving a low emission future, while protecting and enhancing the benefits that the agriculture sector provides, will require a coordinated effort and will ultimately foster the next generation of farmers delivering jobs and economic growth.

Coordinate efforts	Expand market	Invest in innovation
<ul> <li>Establishing partnerships across the sector</li> <li>Cohesion across different industry bodies, geographies and commodities</li> <li>Identifying synergies and co-benefits that exist across the sector</li> <li>Sharing of cross sectoral knowledge</li> </ul>	<ul> <li>Continuing to develop and enhance Emission Reduction Fund (ERF) methodologies</li> <li>Incentives that reward good management (both historical and future)</li> <li>Recognise agribusinesses that achieve additional biodiversity or social co-benefits.</li> </ul>	<ul> <li>Investing in research and development</li> <li>Financial incentives for farmers and communities investing in leading technologies or efficient farm practices</li> <li>Building capability and skills to assist with onfarm adoption, extension and capacity building</li> </ul>
Income diversification	Productivity and market access	Long-term regional resilience

#### ESG focus areas for the agriculture sector



- Increasing pressure from investors and customers onto primary producers
- Multiple ESG-related frameworks
- Evolving regulatory demands, regulatory bodies and timelines
- Establishing internal processes to enable strategic decisions in the long run
- Complex ESG data management and collection
- Availability of data to support strategic decisions
- Rising expectations for trust and transparency
- Continuous monitoring and maturity of reporting frameworks

# How organisations are preparing to respond?



# Questions and discussion

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EYSCORE 003625-24-AUNZ

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