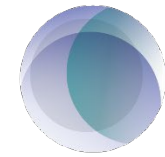


TNO

Drought Hub



Australian Government
**Department of Agriculture,
Water and the Environment**



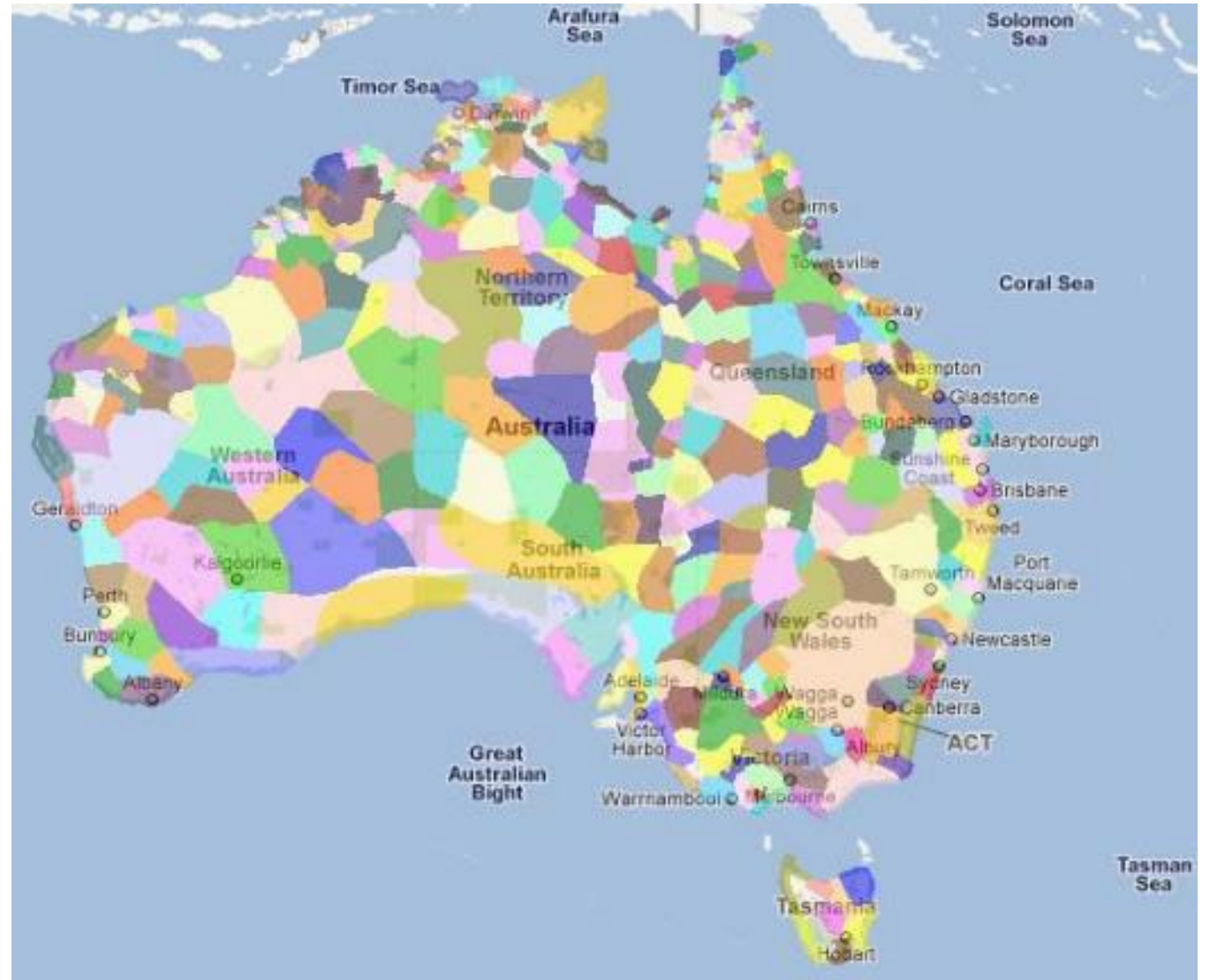
**Future
Drought
Fund**

This program/project received funding from the Australian Government's Future Drought Fund.

Enhancing drought resilience

Professor David Phelps

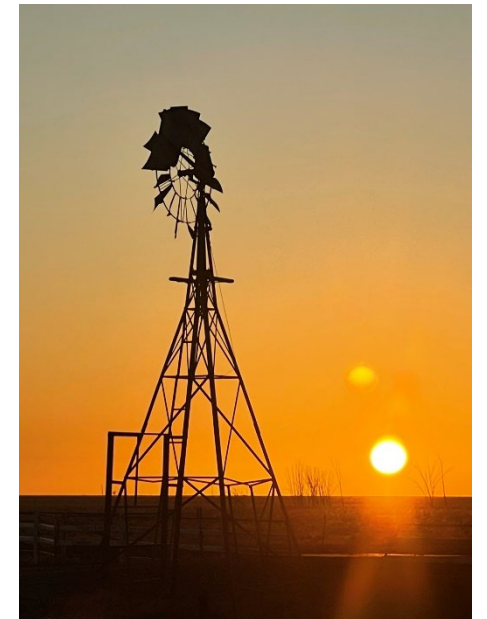
Acknowledgement of Country



Source: <http://www.australianhistory.org/aboriginal-culture>

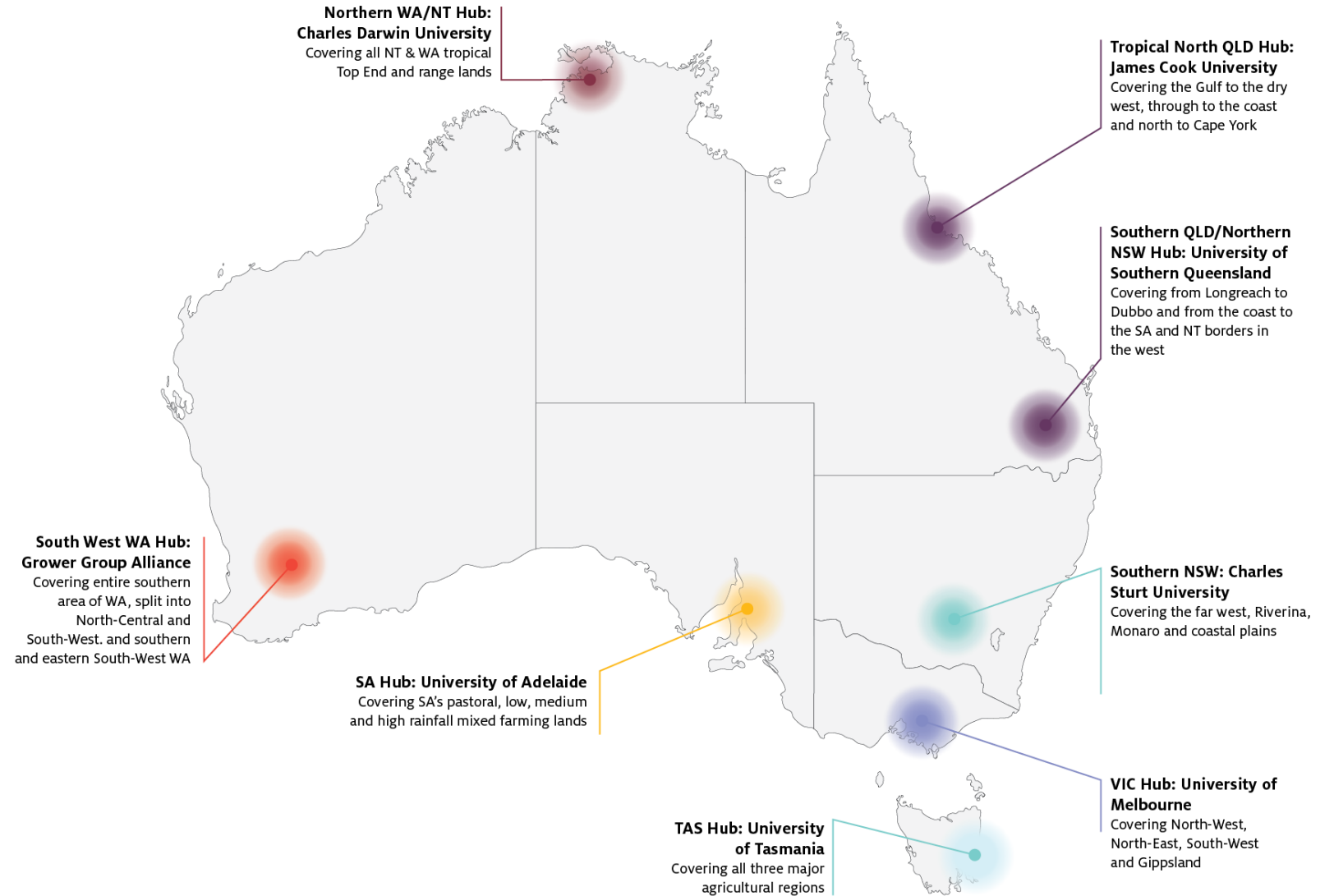
What is the TNQ Drought Hub?

- The TNQ Drought Hub is hosted by JCU
- It is supported by the Australian Government's Future Drought Fund, JCU and many industry partners
- Our goal is to build drought resilience for agricultural industries and their communities by:
 - Adding value to existing activities and events
 - Looking for regional solutions to regional issues



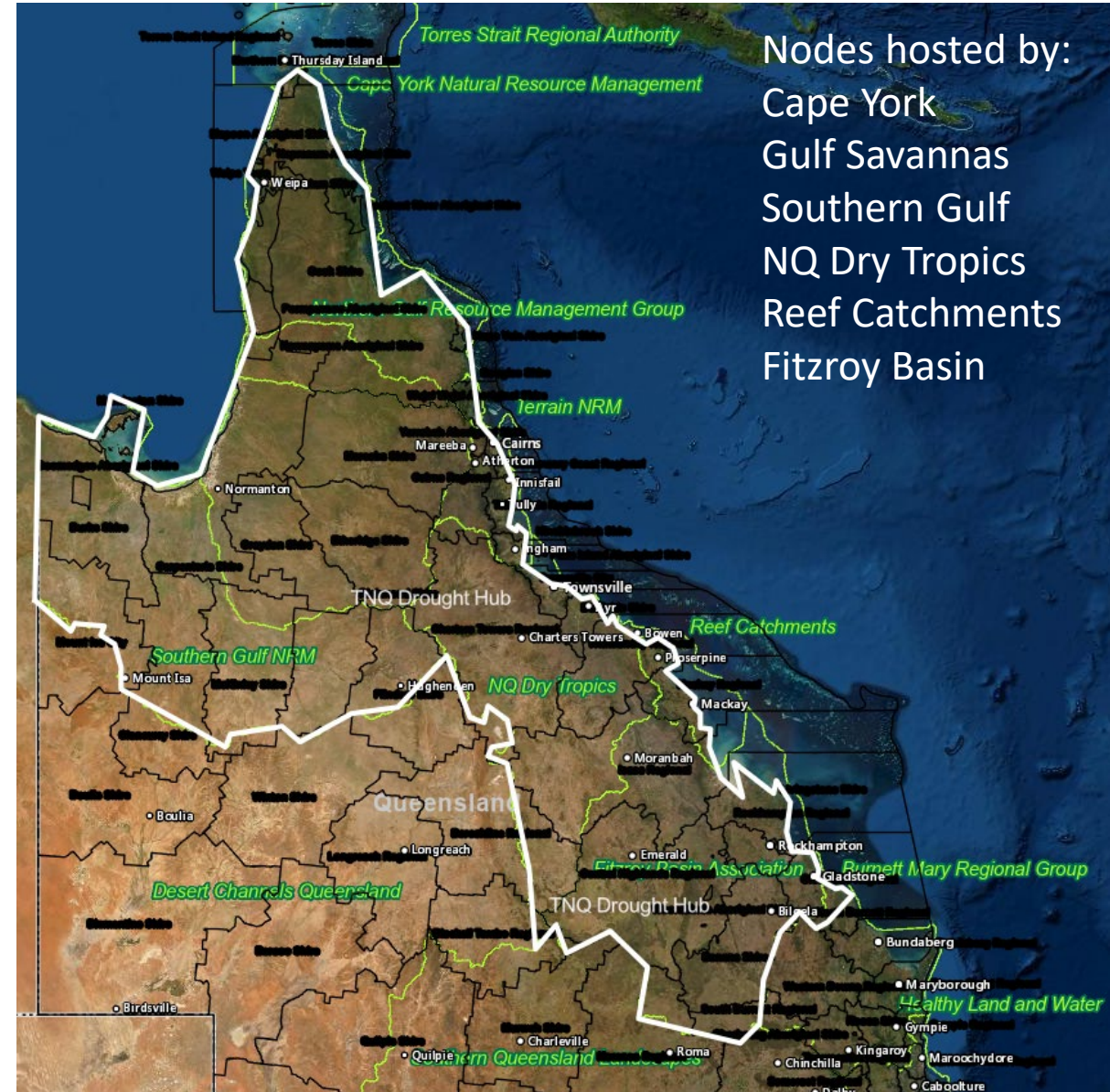
Eight hubs across Australia

- Each in a major climatic and agriculture zone
- All linked with a regional university
- Each hub has several nodes reaching across their region
- Currently the hubs and nodes cover over 40 locations and involve 143 partners



TNQ Hub footprint covers half the State

- Approximately 850,000 sq km (45% Qld land mass)
- Our area covers northern Queensland in partnership with six Natural Resource Management Groups
- Diverse landscapes, industries and culture
- Significant land area under Aboriginal and Torres Strait Islander management
- Agreement to make best use of key strengths between northern hubs



TNQ Hub Programs

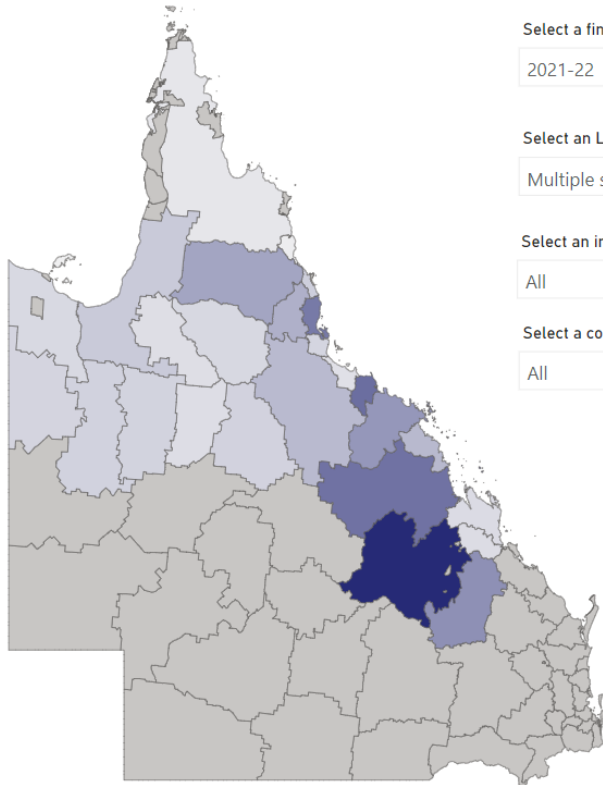
- Transformational Agricultural Systems
- Innovation and Commercialisation
- Building Human Capacity
- Sustainable Aboriginal and Torres Strait Islander Enterprises
- Coordination and Outreach
- Plus:
 - Soil coordination
 - Innovation hub ‘sprint’



Agriculture is a key economic driver

OUR REGIONS

KEY AGRICULTURAL REGIONS IN QUEENSLAND, WITH ESTIMATED GVP* (EXCLUDING FISHERIES AND FORESTRY)



\$7.27bn
Agriculture GVP

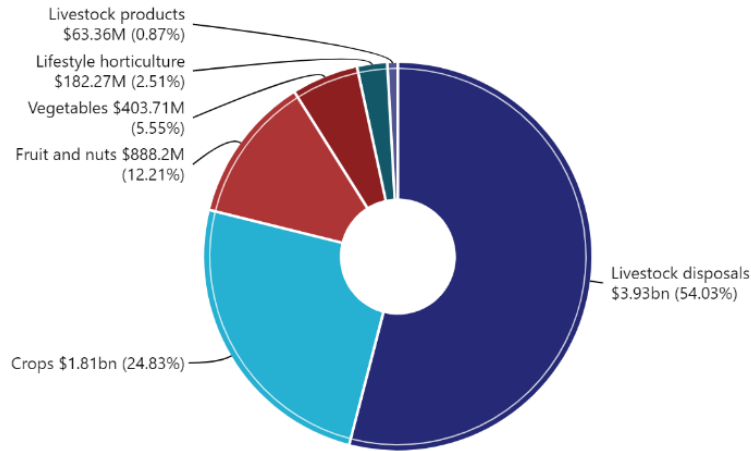
Select a financial year
2021-22

Select an LGA
Multiple selections

Select an industry
All

Select a commodity
All

WHAT WE PRODUCE



Industry	GVP	GVP (prv. FY)	% change
Crops	\$1,805,447,617	\$1,349,667,468	▲ 33.77%
Fruit and nuts	\$888,199,034	\$876,248,168	▲ 1.36%
Lifestyle horticulture	\$182,273,281	\$183,605,110	▼ -0.73%
Livestock disposals	\$3,929,696,756	\$3,332,990,465	▲ 17.90%
Livestock products	\$63,357,088	\$62,306,208	▲ 1.69%
Vegetables	\$403,714,566	\$379,121,976	▲ 6.49%
Total	\$7,272,688,342	\$6,183,939,394	17.61%

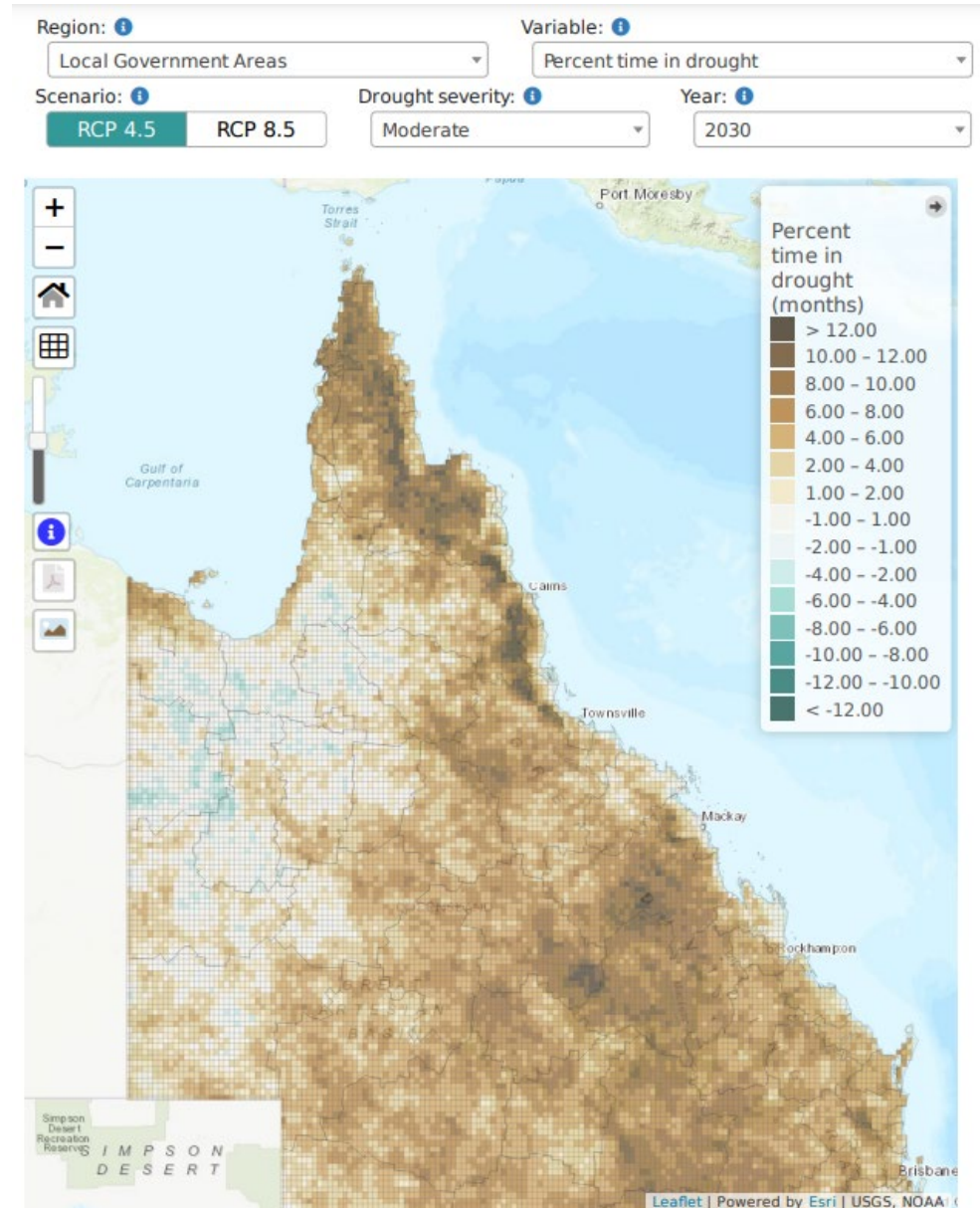
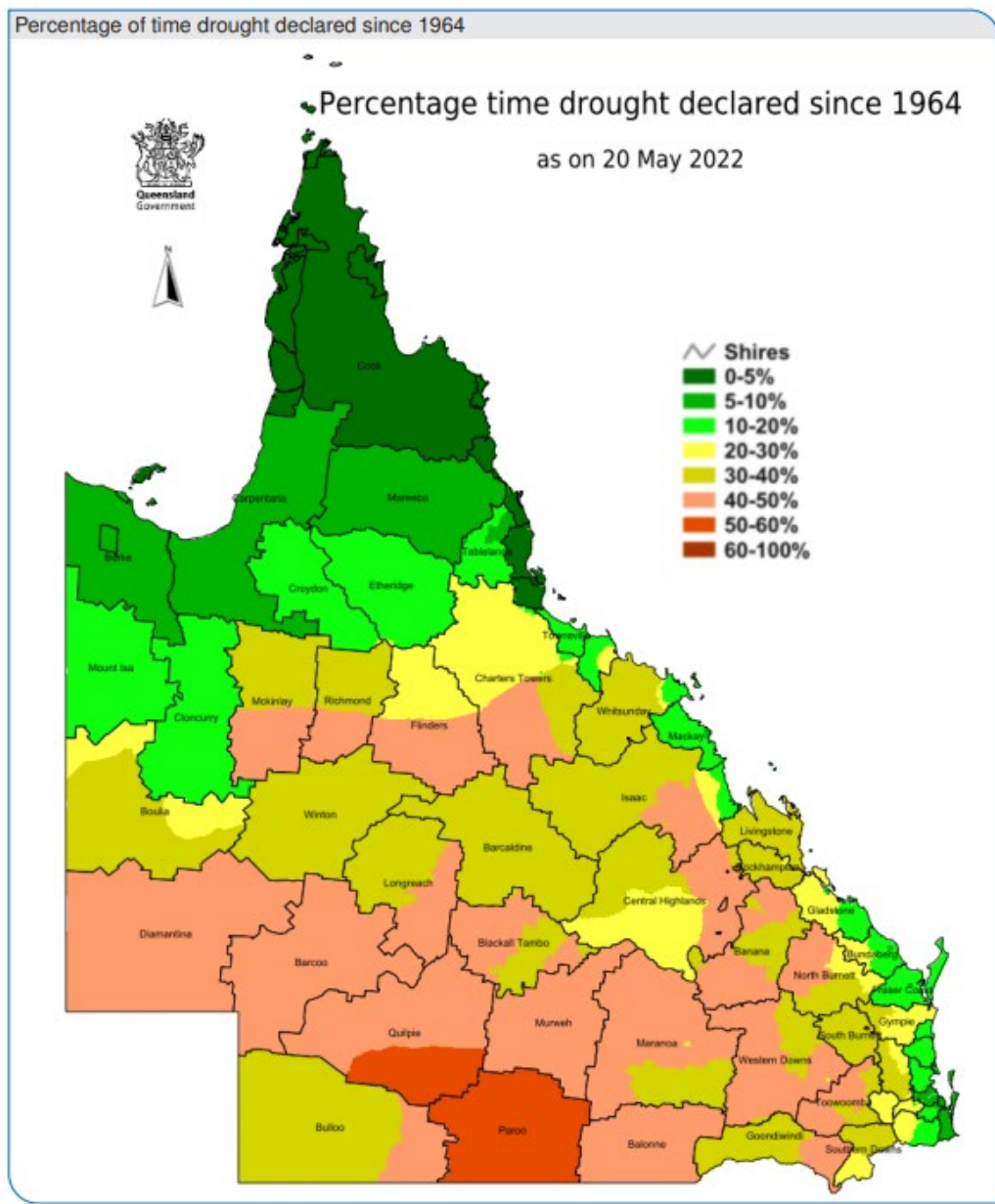
- \$7.27 billion in agricultural production
- One-third of Queensland’s ag workforce (20,600 fte)
- Ag tech can play a crucial role in resilience for businesses and towns
- **Livestock:** largest GVP and land use footprint
- **Cropping** (including sugar cane): 25% GVP
- **Horticulture:** 20% GVP

* Calculated using latest AgTrends data and ABS 75030do007 2015-16 data.

This dashboard has been compiled by the Department of Agriculture and Fisheries. © State of Queensland, 2021.



Drought: history and future



received funding from the Australian Government's Future Drought Fund.

Globally, drought remains poorly defined

- BoM define drought as a prolonged, abnormally dry period when the amount of available water is insufficient to meet normal use
- In Queensland, drought is generally accepted as the 'lowest 10% of rainfall years'
- Meteorological drought is the starting point for all other forms of drought:
 - Hydrological drought
 - Industrial drought
 - Agricultural drought



What is resilience?

- Resilience in lay terms, is 'becoming stronger, better and readier'
- Resilience is adapting, re-shaping and transforming to a new 'reality'
- Resilience needs to be built across individual farms and businesses, their towns and communities, and their regions
- Resilience both relies on – and drives - innovation
- It is essential that it *'includes the ambitions of a community to adapt and transform, progressing towards socially desired goals and values'*



Resilience is needed at three scales:

- Individual property, farm and agribusiness e.g.
 - maximising the health of the natural resource base
 - optimising production efficiency
- Town and community e.g.
 - supporting human capacity in leadership
 - economic diversification
- Regional e.g.
 - capturing place-based advantages
 - enhancing internal and external socioeconomic networks



Questions?

TNQ

Drought Hub



Australian Government
**Department of Agriculture,
Water and the Environment**



**Future
Drought
Fund**



This program received funding from the Australian Government's Future Drought Fund.

For more information

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