



How do we build a case for a smarter approach to natural disaster management?

Australian rural industries must better manage natural disasters if they are to grow and be environmentally sustainable. At stake is the ability to support the agriculture, fisheries and forestry sectors to maintain the trajectory of these rural industries and regional communities towards a \$100 billion sector and a core pillar of Australia's economy.

Phases of Natural Disaster Management



Potential benefits of investment in early warning systems



By way of example, in July 2020, the New South Wales State Government confirmed an investment of \$24.5 million in three new Doppler radars in western New South Wales that currently have no coverage. These will be located in the Brewarrina, Parkes and Hillston-Ivanhoe regions.

The Impact of Natural Disasters

Figure 1 shows The Department of Home Affairs records from March 2006 to April 2020 of major natural disasters in Australia.

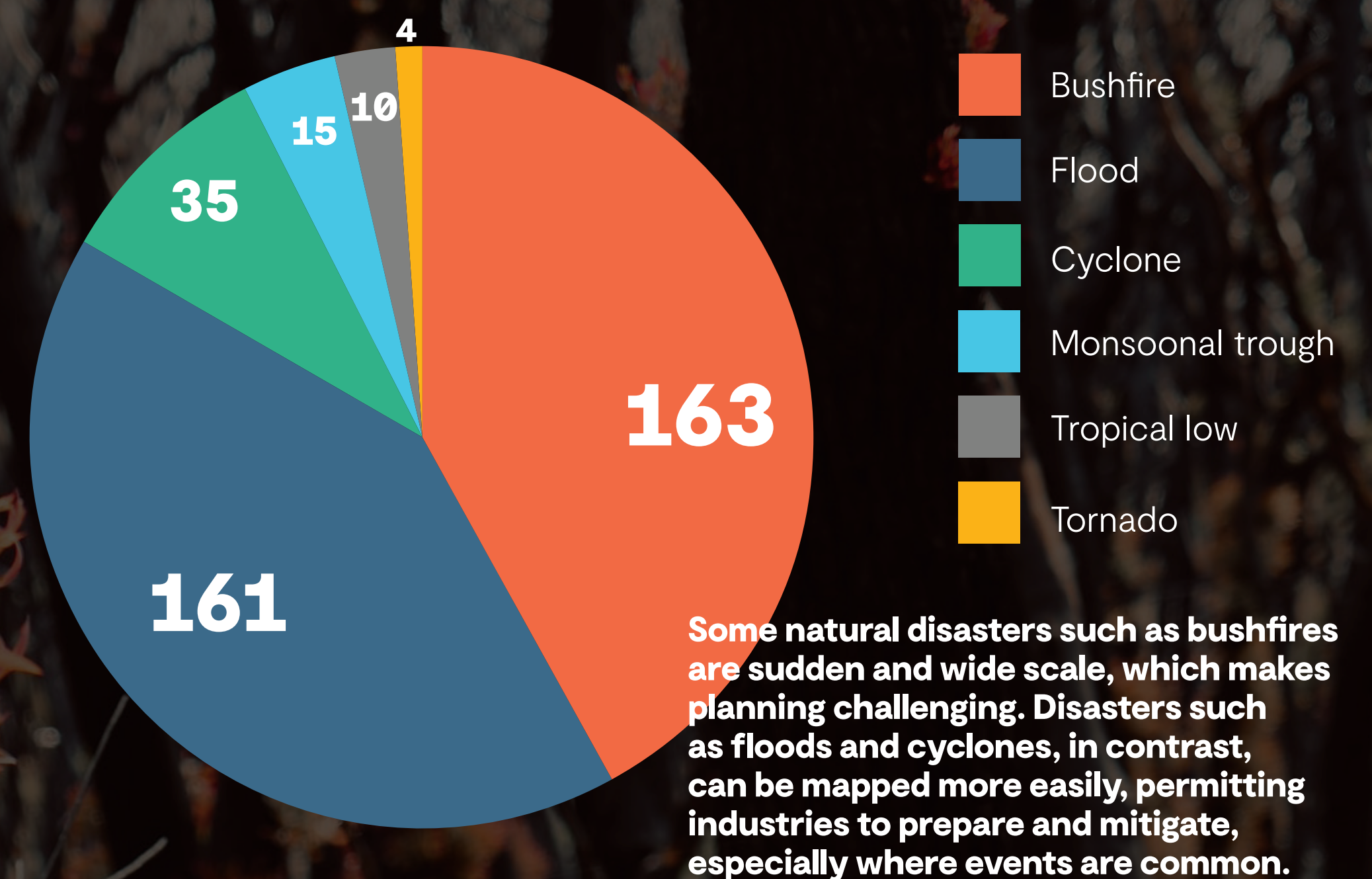


Figure 1
Australian natural disasters (2006 to 2020)
Source: Department of Home Affairs, 2020

Barriers to adoption of innovation and technology

In Australia, we are enabled and supported to actively reduce disaster risk and limit the impacts of disasters on communities and economies.

- 1 Digital connectivity in marine, regional, and remote areas
- 2 Funding
- 3 Growing localized talent in data analytics
- 4 Technology adoption

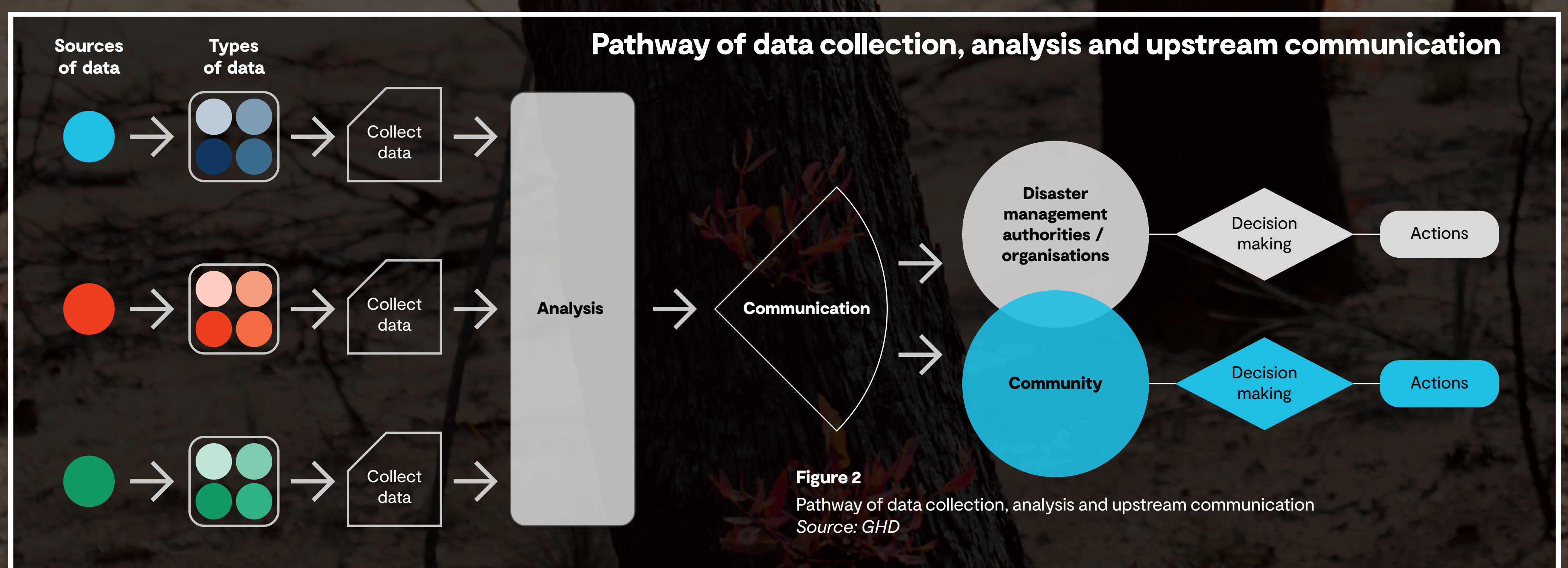


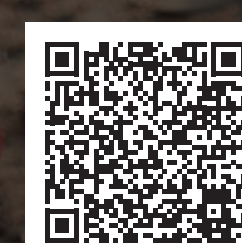
Figure 2
Pathway of data collection, analysis and upstream communication
Source: GHD

This project was completed by GHD and funded by AgriFutures Australia



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