



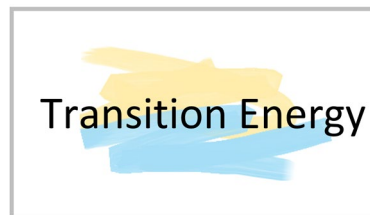
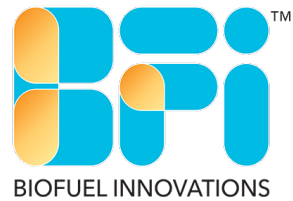
Everything You Need To Know About Bioenergy

Dr Rebecca Yee

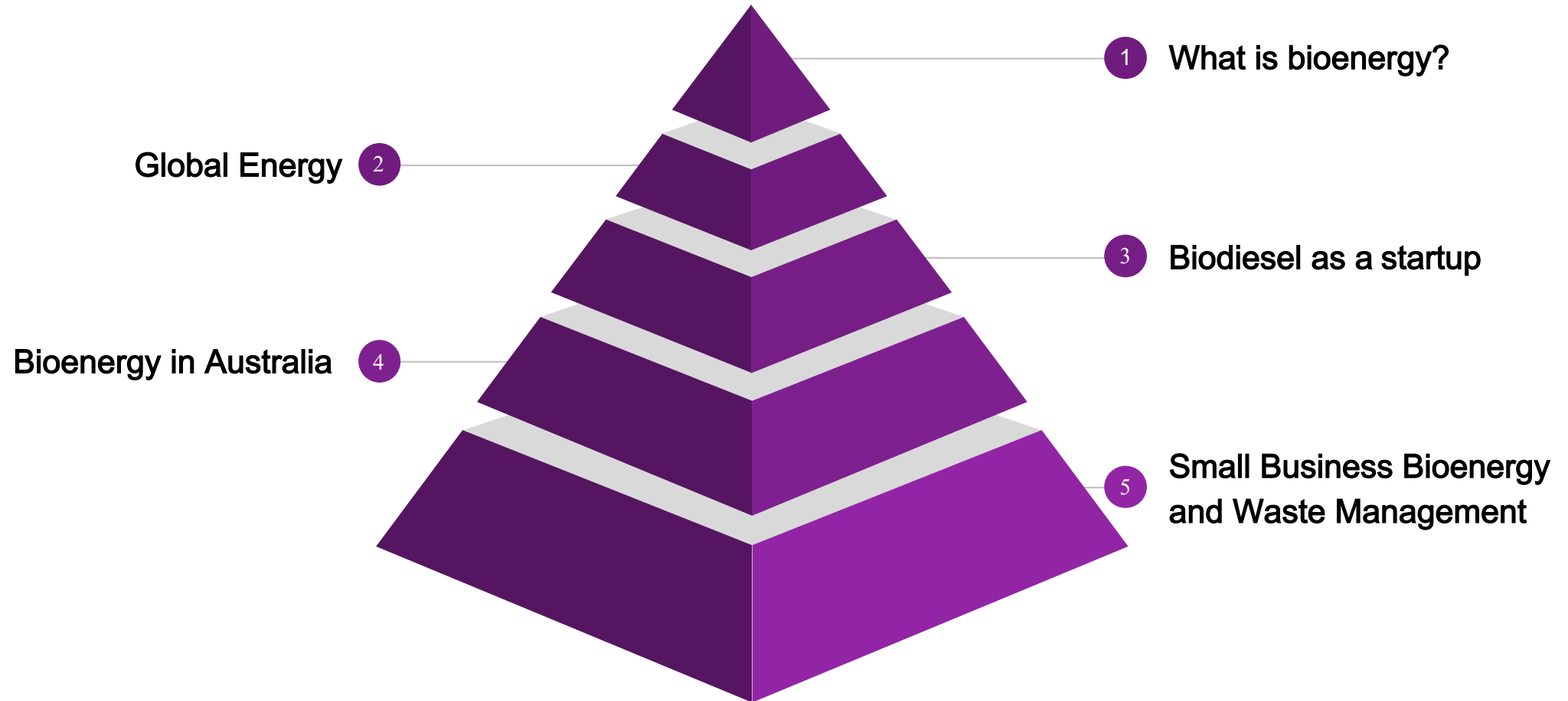
0403 503 505

Rebecca.yee@unimelb.edu.au

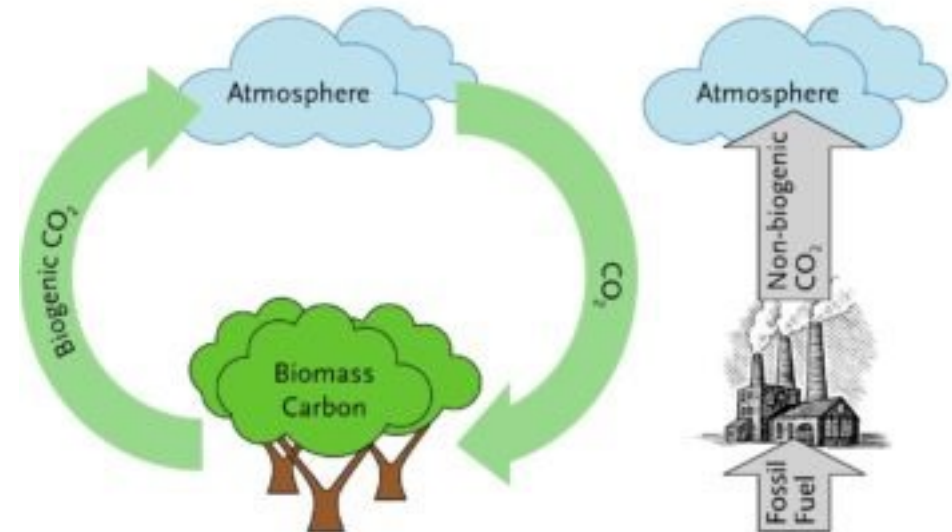
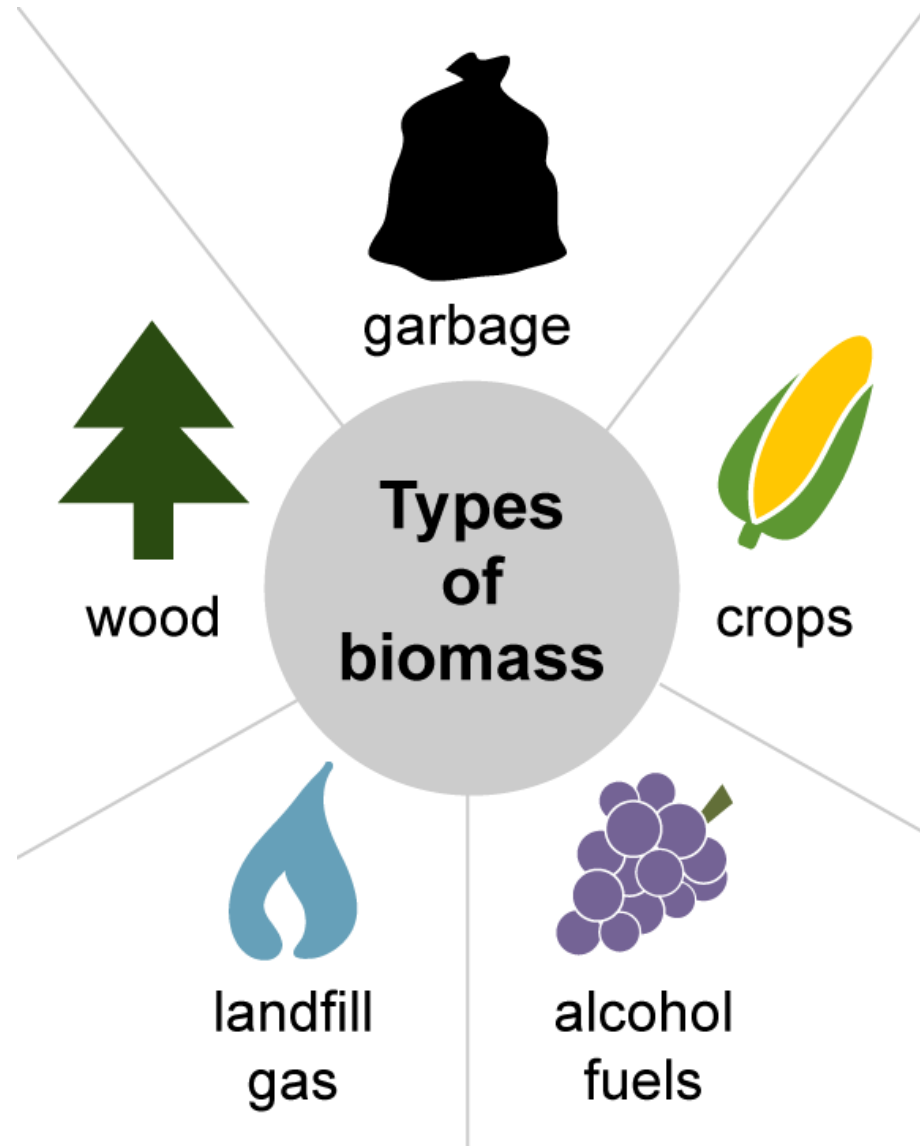
Dr Rebecca Yee



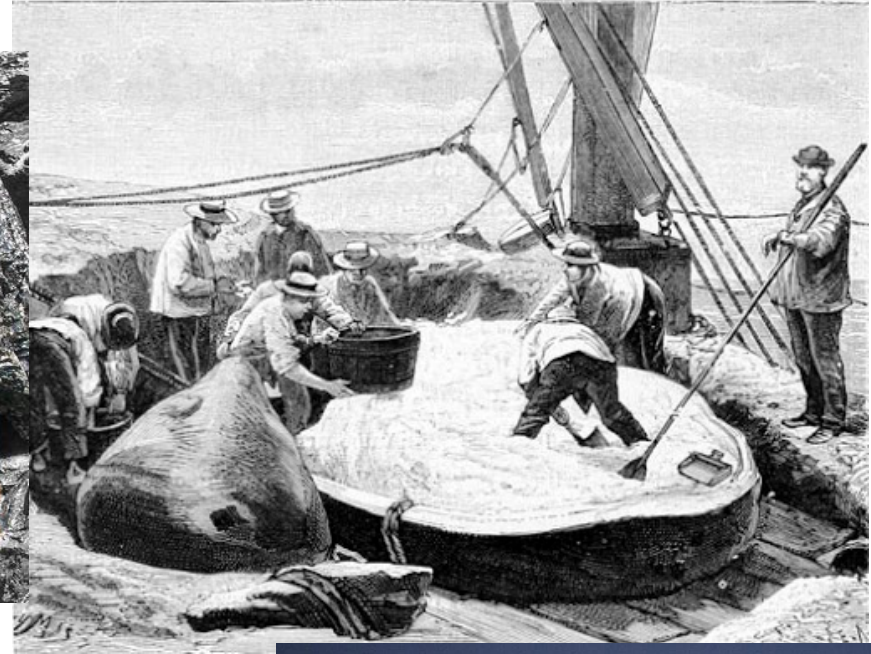
Everything you need to know about Bioenergy



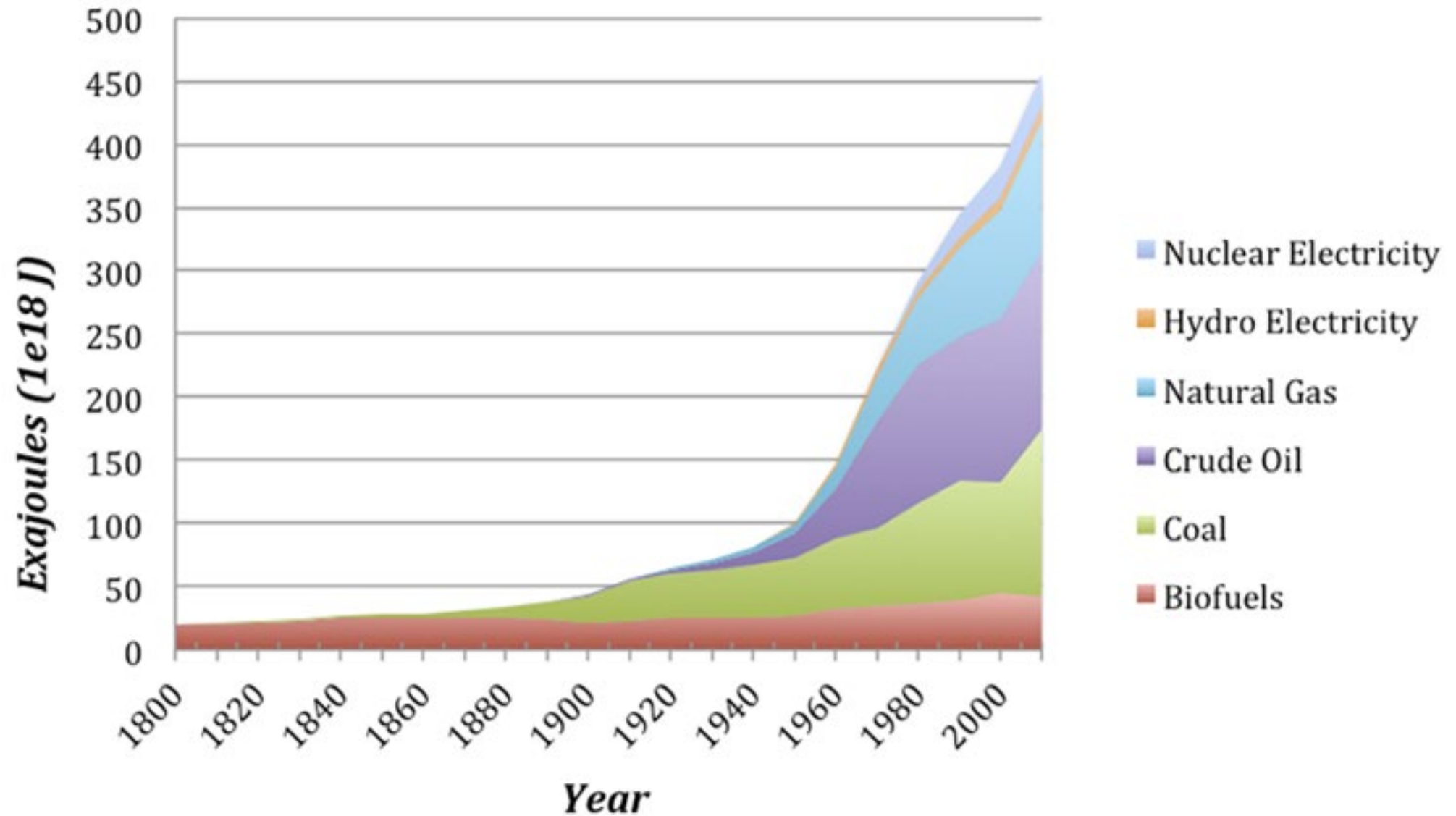
What is Bioenergy?



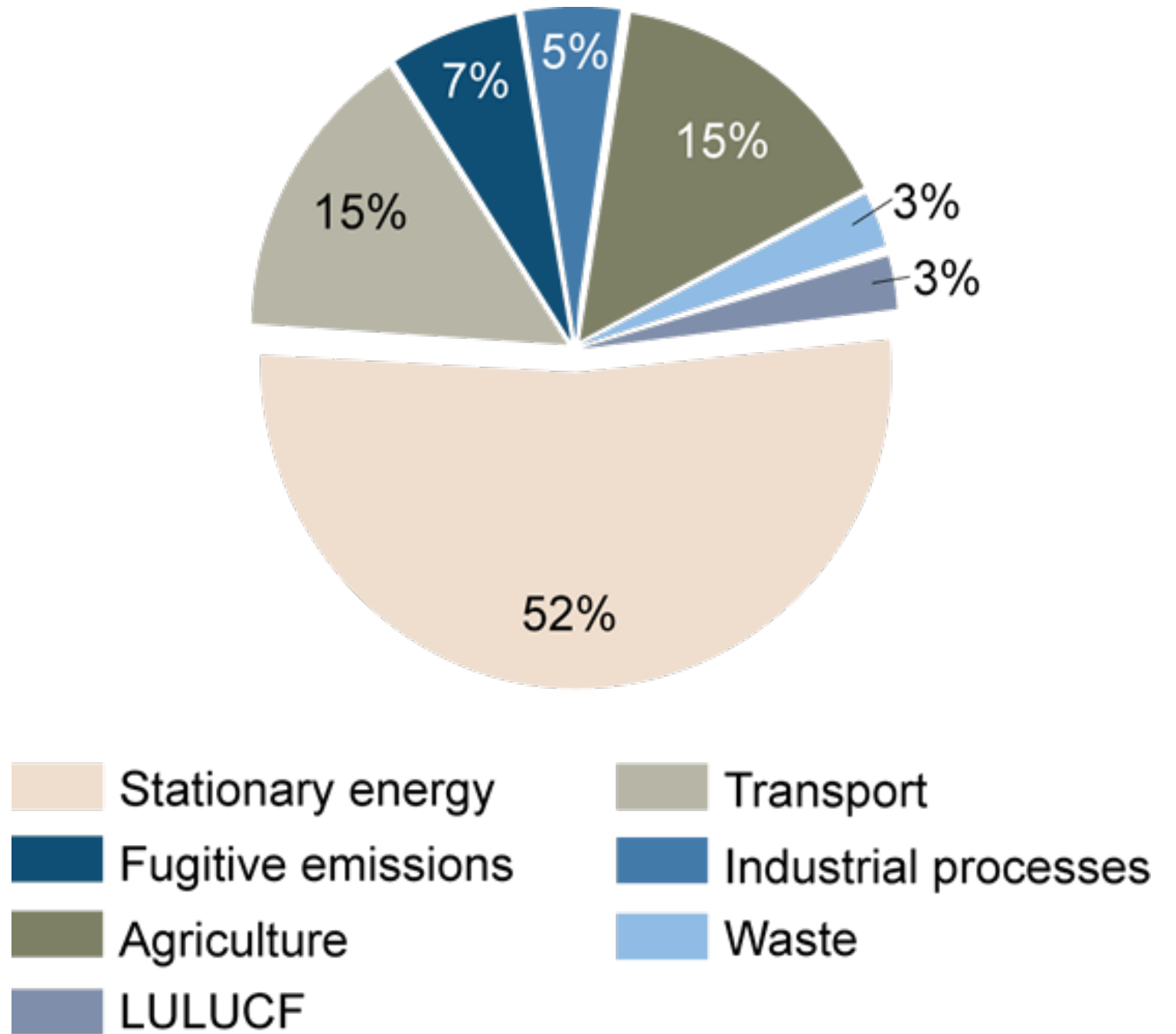
The History of Energy



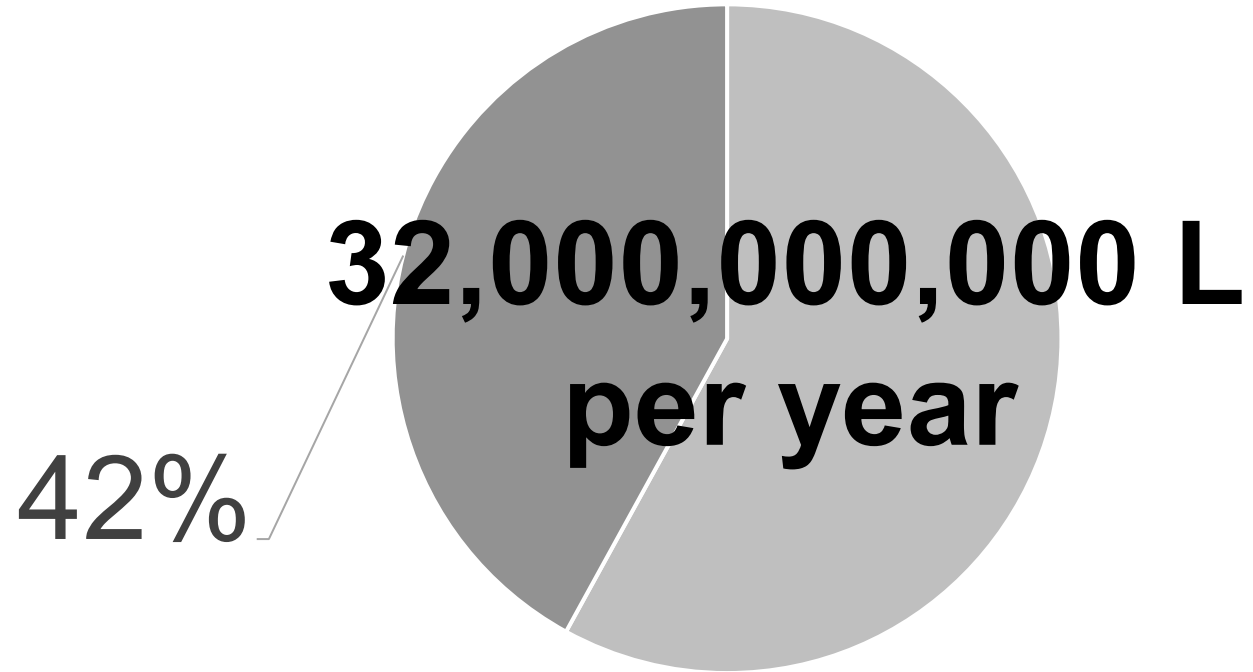
The History of Energy



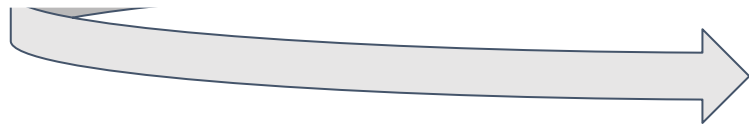
Greenhouse Gas Emissions



Australia's Fuel Consumption



Diesel



57 Sydney Harbours

Biodiesel as a Business



Founded in 2014



Started as a hobby



Local council grant



Pilot Plant build April, 2016

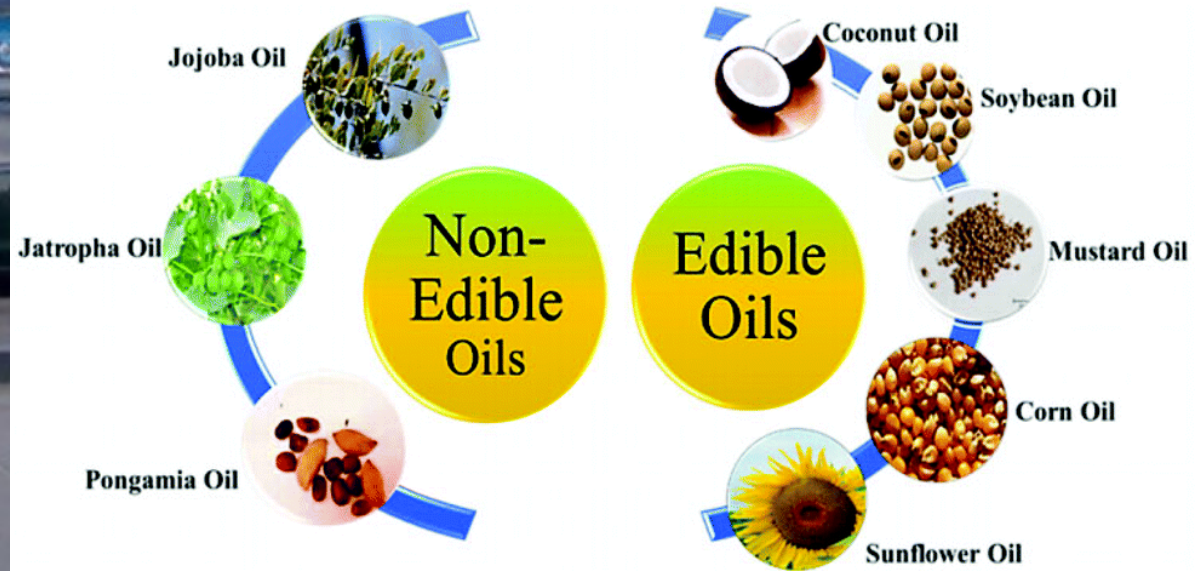


Biodiesel Production





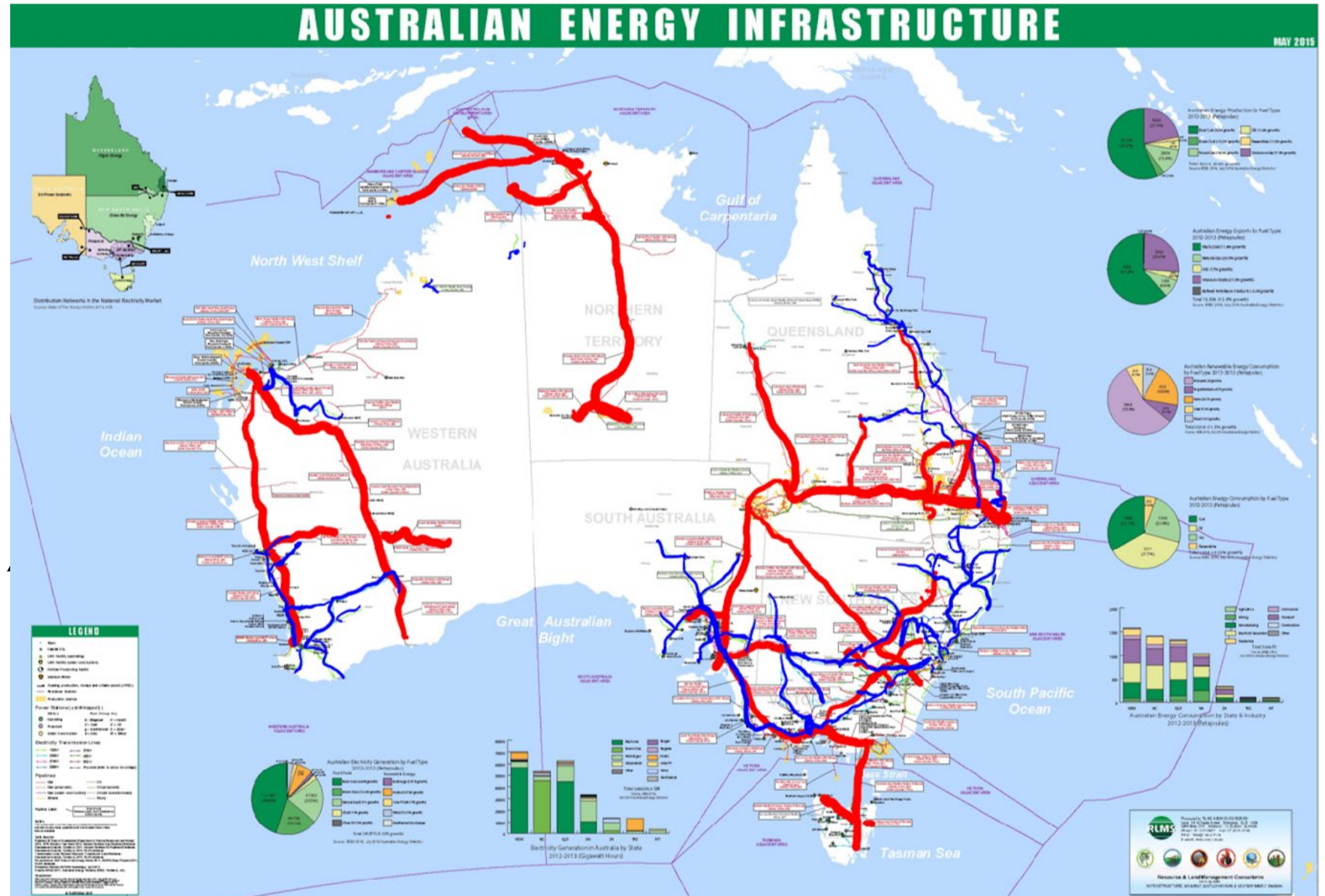
Biodiesel as a Business



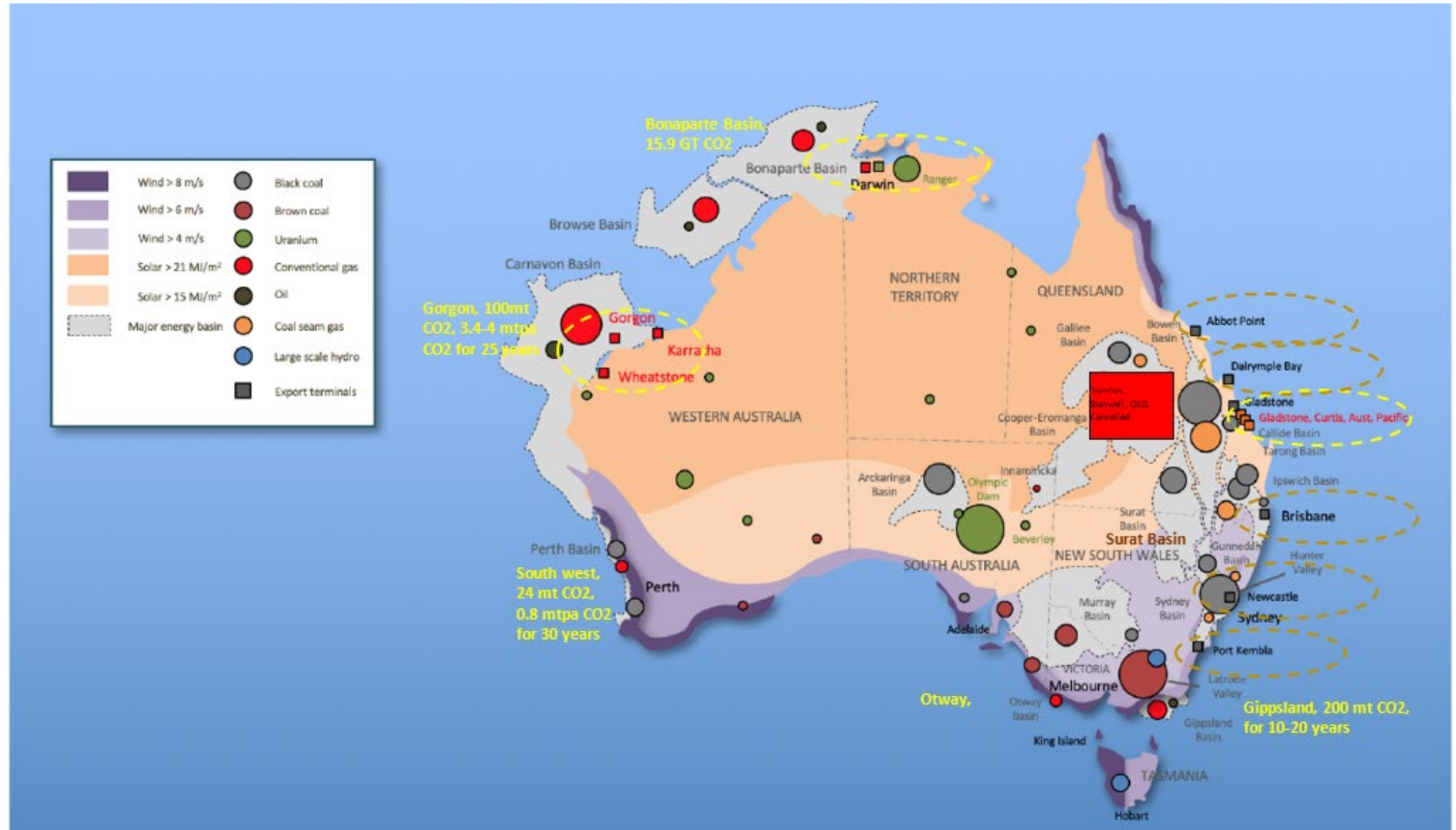
Bioenergy in Australia

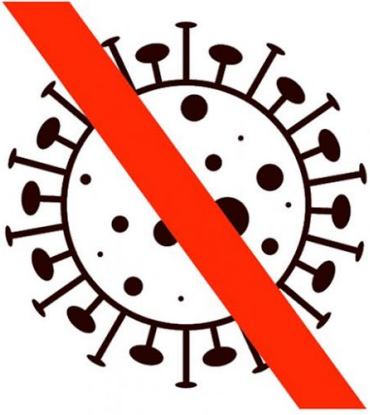


THE UNIVERSITY OF
MELBOURNE



Bioenergy in Australia





The COVID Effect

3% reduction in transport
emissions (3Mt CO₂)

Mostly due to reduced use of passenger and light commercial vehicles. Bulk diesel, mining and agriculture remain unaffected.



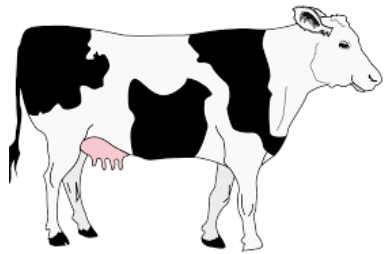
[Home](#) > [Knowledge and innovation](#) > **Bioenergy Roadmap**

Bioenergy Roadmap

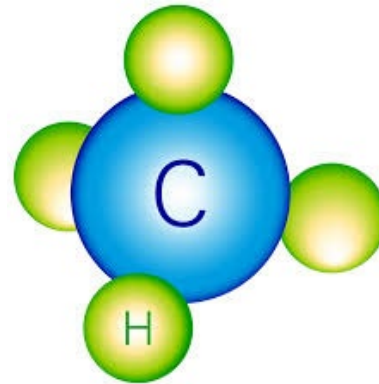
ARENA is investing in the development of a roadmap to identify the role that the bioenergy sector can play in accelerating Australia's energy transition, stimulating regional development, enhancing energy security and helping Australia further reduce our emissions.



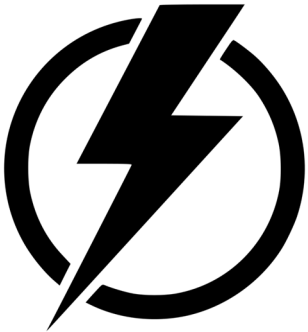
Small Businesses – Poo to Bioenergy



→
Anaerobic Digestion,
Environmentally
Friendly



Nowra Biogas Plant
(NSW)
8,500 cows



Power
260,000 kWh per week



Battery Backup
12 Hours Power for Nowra
Valley

Small Businesses – Poo to Bioenergy



5 Nowra
Valleys



400 Australian Homes



1.5 million AUD per year

Small Businesses - Bioenergy and Waste





Small Businesses - Bioenergy and Waste Options

- Old clothes recycling ([Man Rags](#))
- Coffee grounds
- Composting on-site
- Kitchen scraps including onions and meat – bokashi fermentation

LUP Global

Aspire 2.0 (CSIRO)

Small Businesses - Bioenergy and Waste



<https://www.carbonfootprint.com/calculator.aspx>

Be part of something bigger



Transition Energy

What waste do
you have?



Get in touch via Facebook **@Transition Energy** or Email **rebecca.yee@unimelb.edu.au**