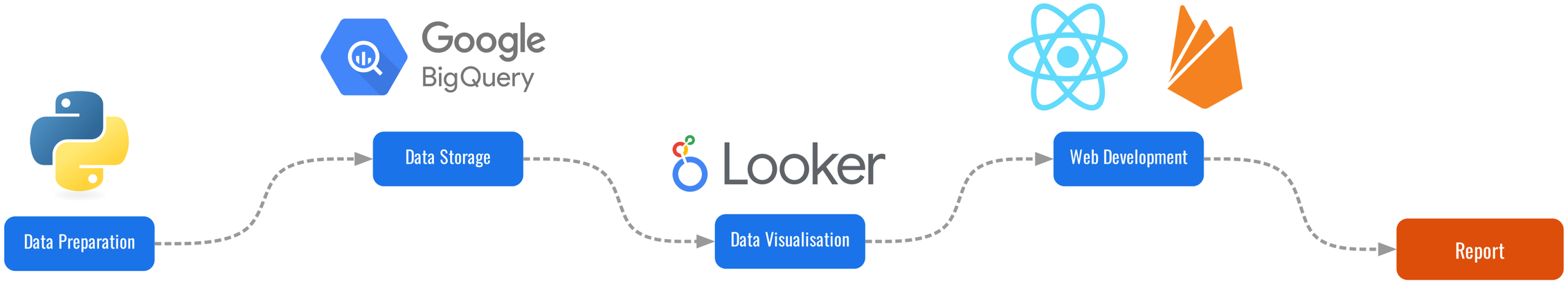
Waste Management Interactive Report

By Ha Nguyen @ https://early-bird.dev/datathon2023



Waste Management In Australia

In two years,

1.21 billion

tonnes of wastes are generated

with

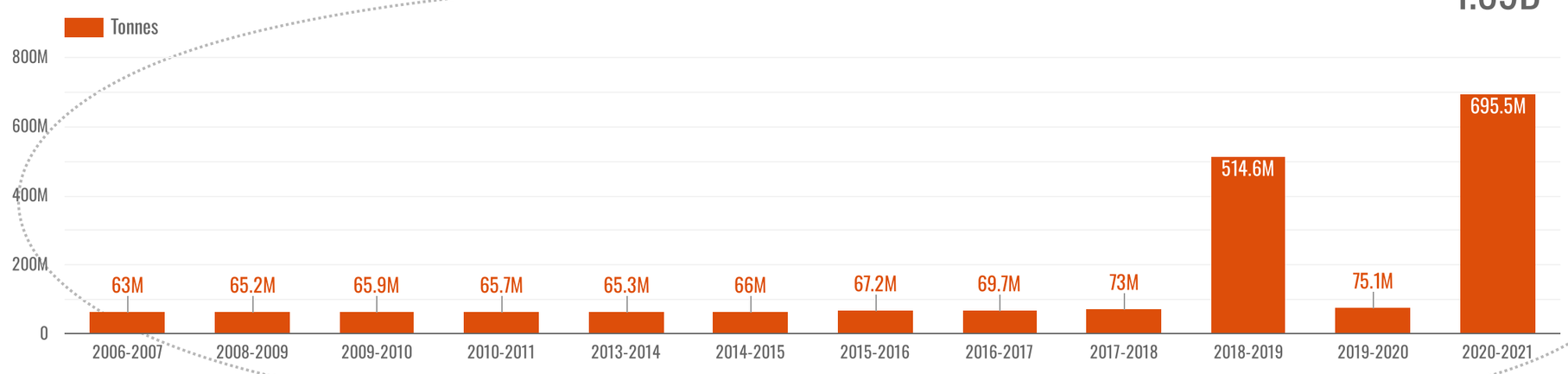
1.06 billion

tonnes from Mining

Filter

Total

1.89B

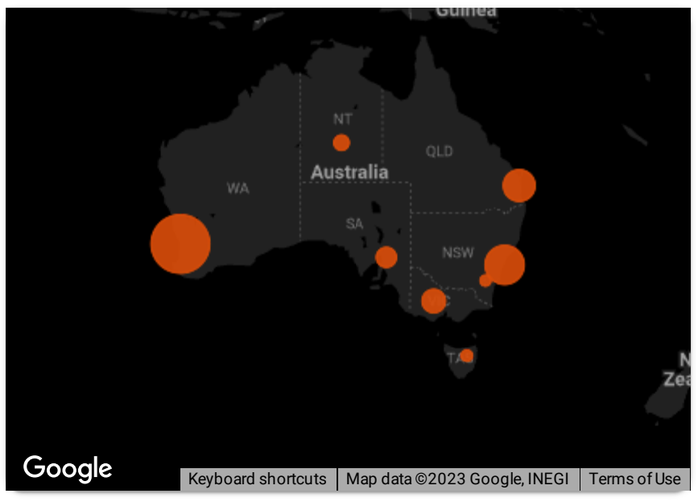


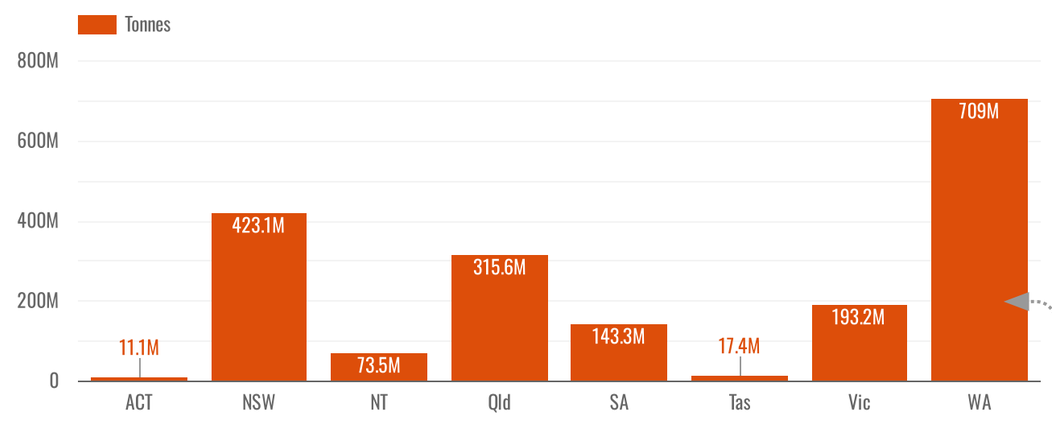
#DOYOUKNOW?

"In 2020-21, mining produced **620 mega tonnes** of waste.

Mining waste is mainly made up of a slurry of pulverised rock and water, **96%** of which was estimated to have been deposited in tailing dams."

Source: Planet Ark Environmental Foundation





Click here to filter WA

Top 1 in generating waste is

Western Australia

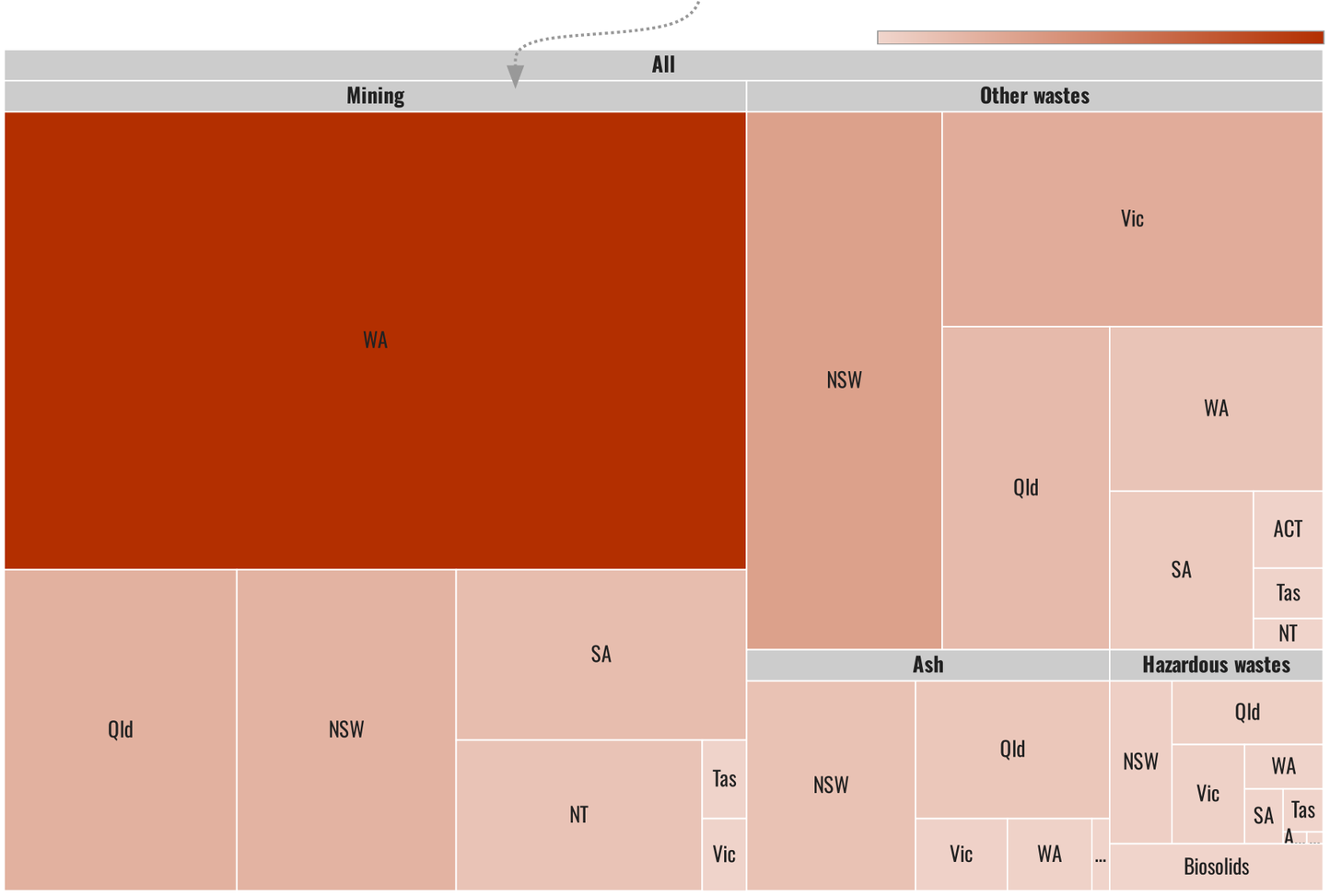
with 88% from

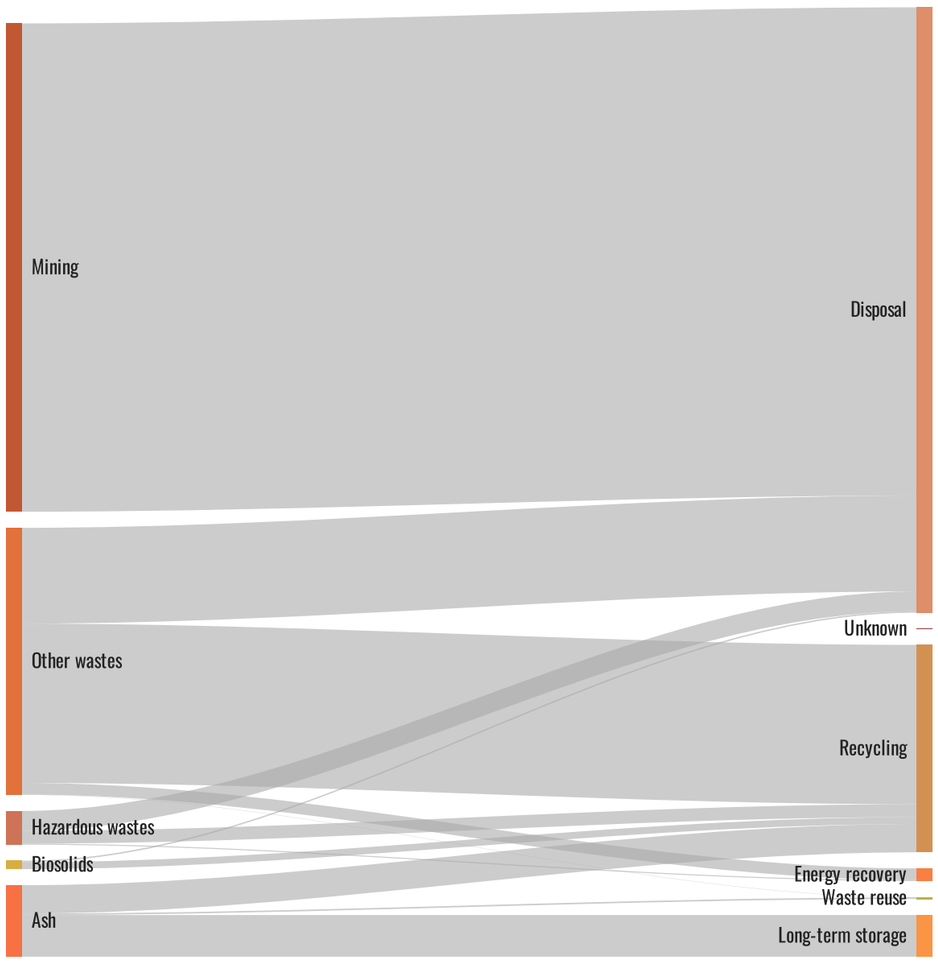
Mining

Waste by category

Click here to see what happens to mining waste

Category Filter



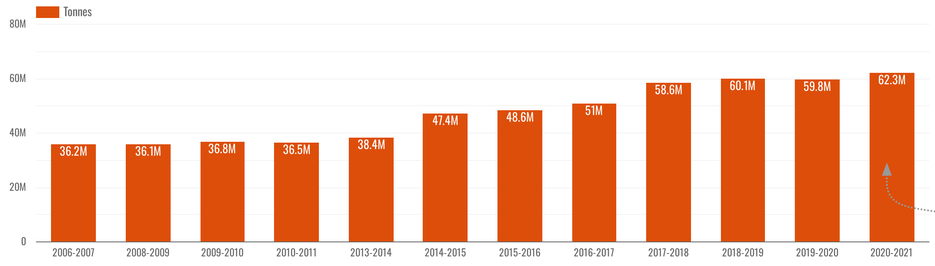


From this point, we will exclude Mining waste from analysis.

Next

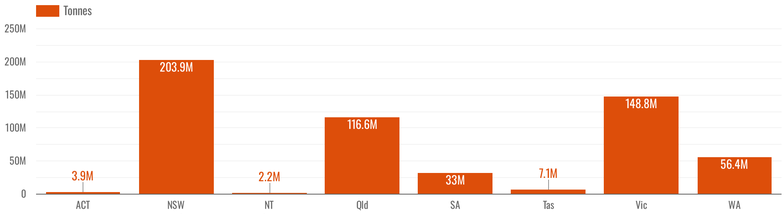
Waste Management By Stream

Note: Mining waste has been excluded from the analysis.



Click here to filter 2020-2021

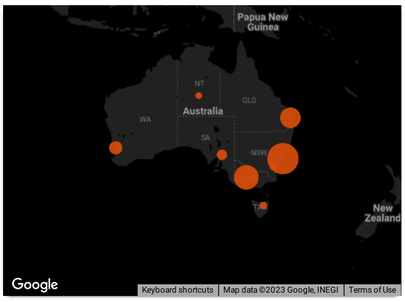
From 2006 to 2020, waste generation increases,
72.10%
while Australia's population increases only
25.48%
from 20.45 million to 25.66 million



Top 1 in generating waste
NSW
with **2.6 tonnes**
per capita

Followed by
Victoria
with **2.3 tonnes**
per person in 2020-2021

Northern Territory
residents generate
only **1 tonne** of waste
per person in 2020-2021

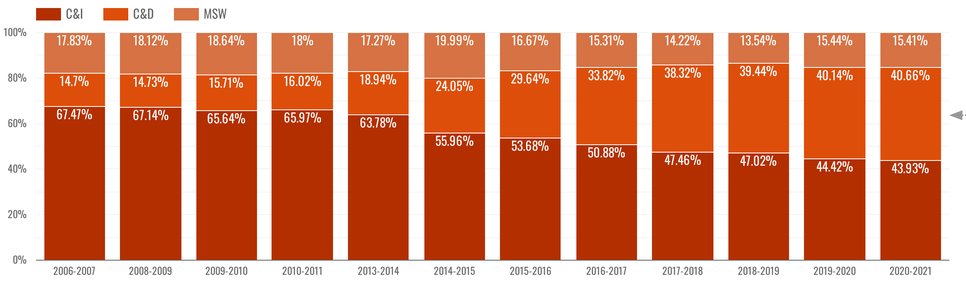


#DOYOUKNOW?

"There are **425,600** Construction businesses in Australia as of 2023, an increase of **29.57%** from 2013."

Source: IBISWorld

Waste by stream



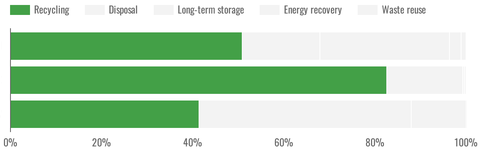
The proportion of
C&D
(Construction and Demolition) waste
significantly increases
over the years.

Recycling rate by stream

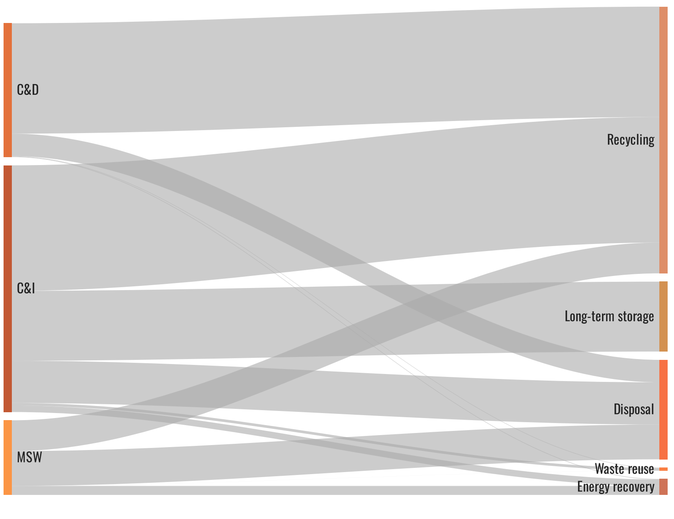
C&D
(Construction and Demolition)
83%

C&I
(Commercial and Industrial)
51%

MSW
(Municipal Solid Waste)
47%



Stream Filter



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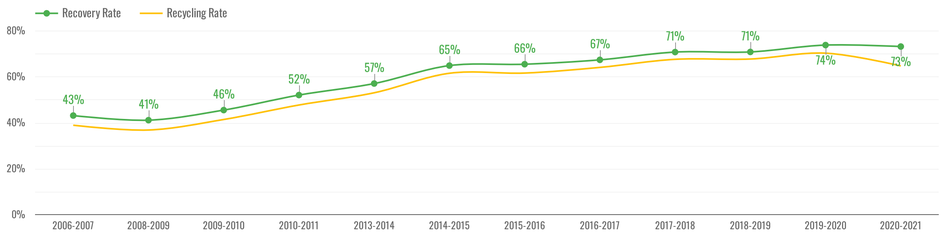
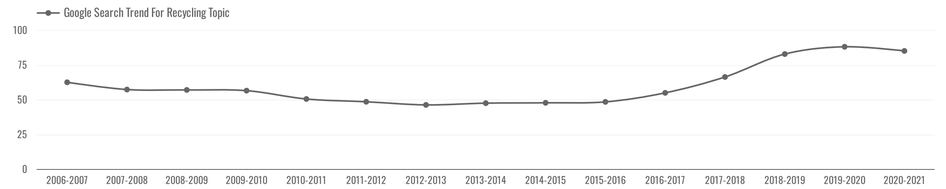
Australia's Resource Recovery Rate

Recycling, waste reuse, and energy recovery

There is a correlation between **Recycling Rate** and **Google Trend**

The importance of **Raising Recycling Awareness**

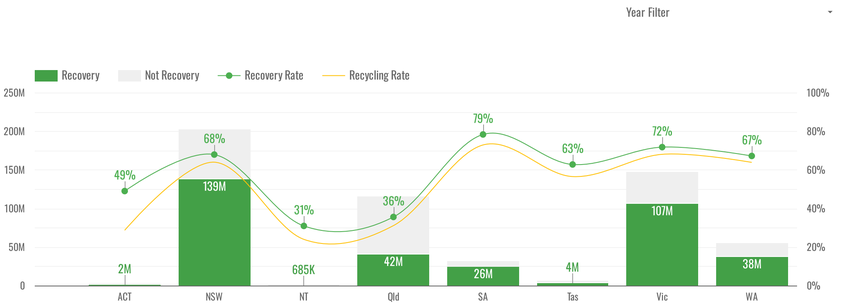




#DOYOUKNOW?

"South Australia is known to have the highest percentage, at **76.5%**, of waste being recycled or composted. With statistics like this, it isn't surprising that South Australia is actually recognized as one of **the world's leaders** when it comes to waste management."

Source: Signal Waste & Recycling

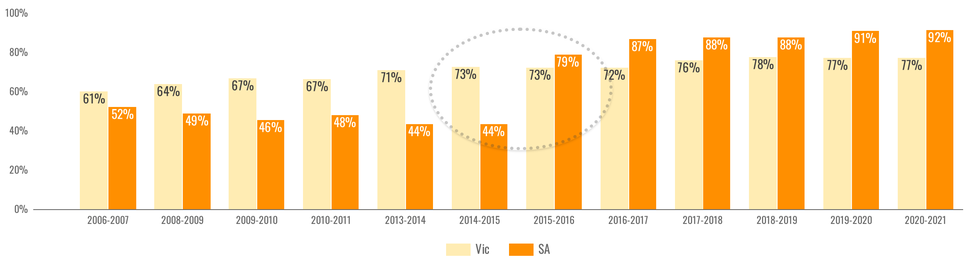


Northern Australia has the lowest recovery rate.

Top 1 in recovery rate is **South Australia** followed by **Victoria**

The recovery rate in **South Australia** skyrocket in the year 2015

44% ↗ 79%

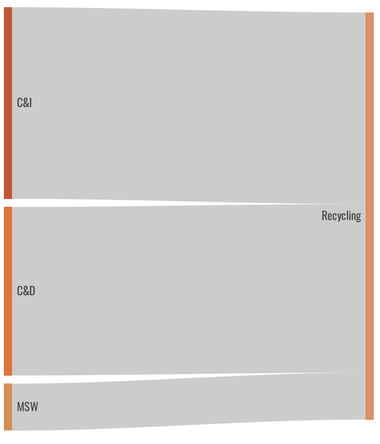


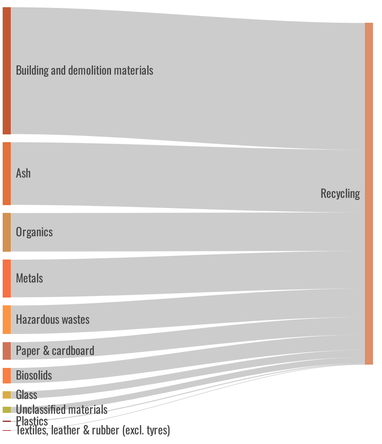
What happened in the year 2015-2016?

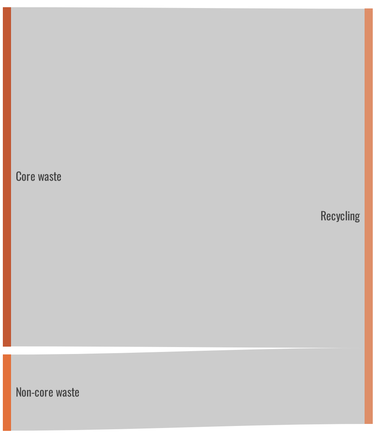
Recycling

Year

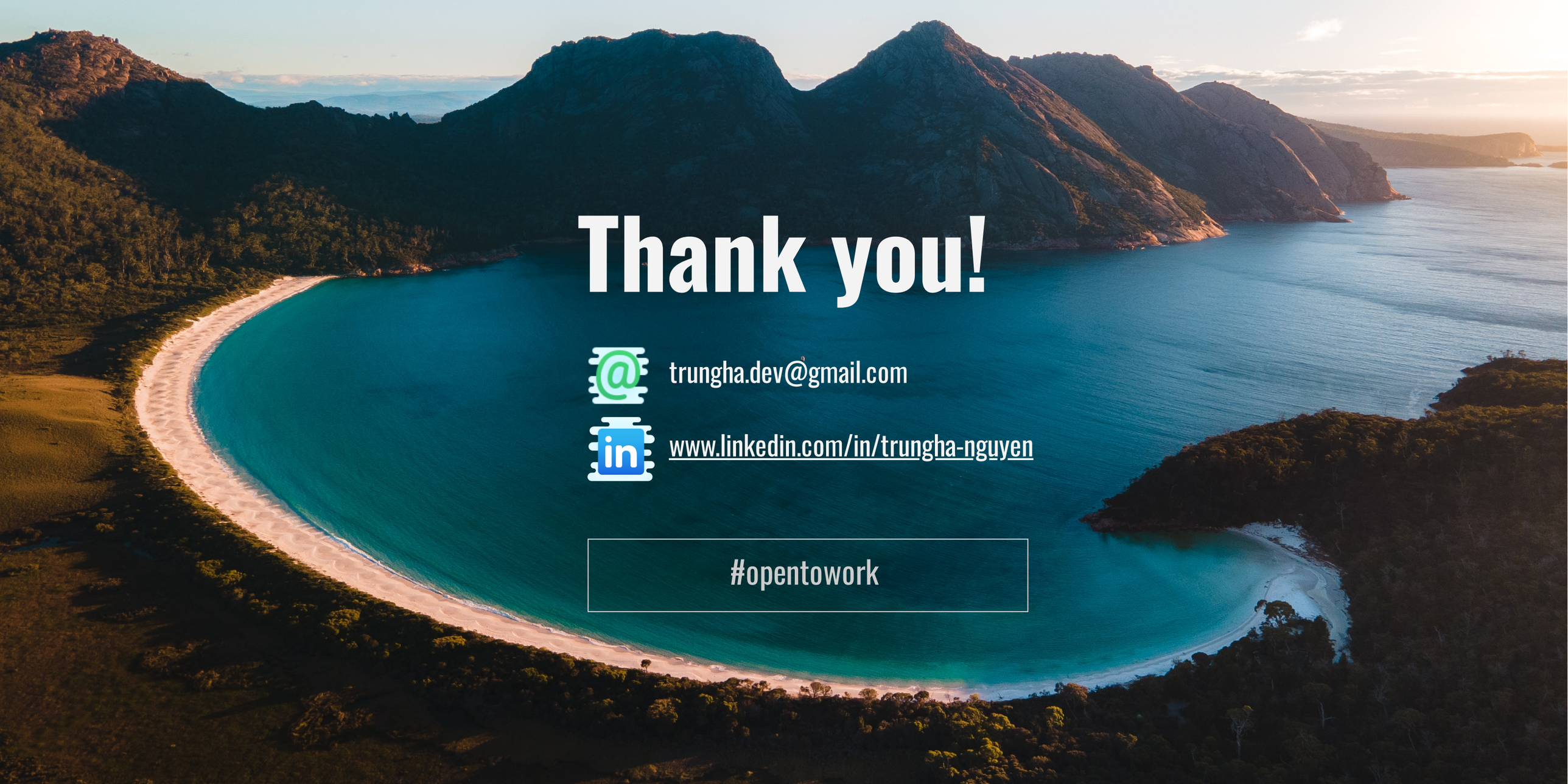
Jurisdiction







The End



Thank you!

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#opentowork