

INDUSTRY TREND WATCH

Insights on the current impacts and opportunities for the travel and hospitality industry

November 2022

Reducing the Tourism Industry's Carbon Footprint

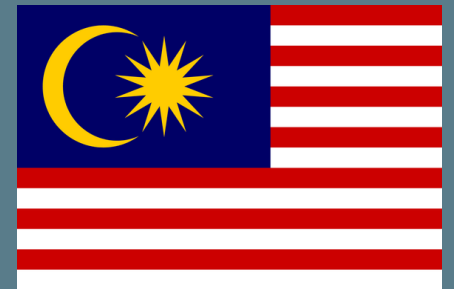
Climate change is one of the biggest challenges that the world is facing today. The tourism industry is, without exception, also affected by climate issues and needs to put sustainability actions into place.



SUMMARY

The Southeast Asian tourism industry is increasingly becoming more aware of climate issues, with the government and corporates alike looking for sustainable solutions to be able to calculate their carbon footprint, as well as reduce/ offset or remove carbon

COUNTRIES IMPACTED



Government

Net-Zero Emissions Targets



2050



2050



2060



2065



Sustainable Air Hub Blueprint

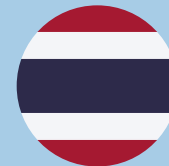
- To be published by **early 2023**
- 20 industry, tech, and knowledge leaders make up the **International Advisory Panel (IAP)** to develop the blueprint
- **15 wide-ranging measures across Changi Airport**, airline and air traffic management domains has been recommended by the IAP



Towards Climate Positive Tourism through Decarbonisation and Ecotourism



- **Carbon footprint calculator and offsetting** platform
- Pilot launched in **5 destinations**: Plataran Menjangan, Berau Berau Mangrove, Tiga Warna Beach, Peramun Hill, and Klawalu Mangrove Tourism Park

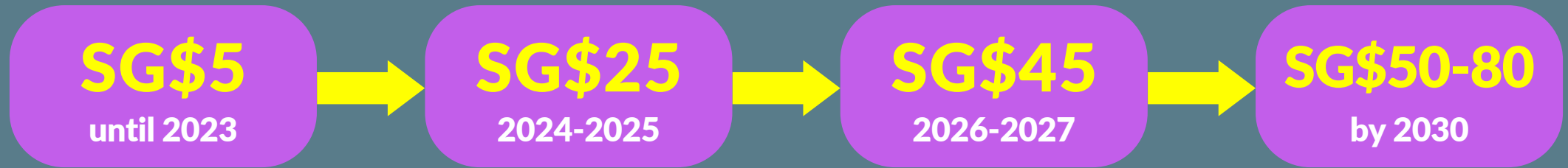


Laughing Island Conqueror vs Low-carbon Footprint Traveller

- Invites tourists to visit **Trat Province** covering Ko Mak – Ko Kradat – Ko ‘Kai-Hua-Ro’
- **Carbon footprint calculator** to record travel patterns, distance, tourism activities, and daily consumption of food
- Aims to **create awareness** of tourists’ carbon footprints

Economy

Singapore's Carbon Tax per tonne of emissions



TEMASEK

1,000
carbon credits

to be sold for purchasing sustainable aviation fuel to supply all SIA and Scoot flights out of Changi Airport for a year

Malaysia Budget 2023

RM 3 billion

Green Technology Financing Scheme (GTFS)

RM 1 billion

Low Carbon Transition Facility to assist SMEs in applying low carbon practices

Corporates

Net-Zero ambitions by 2050 (Airlines & Hotels)



SITA Opticlimb

up to 5% fuel saved/trip

5.6 mil tonnes CO2 emissions saved/year



Descent Profile Optimisation

100 tonnes fuel saved/ aircraft/year

220 tonnes CO2 emissions saved/aircraft/year



Single Engine Taxi In (SETI)

Reduced Acceleration Altitude

Renewable energy in offices

**PARKROYAL
COLLECTION**

MARINA BAY, SINGAPORE

51,300 metric tonnes

of CO2 emissions prevented through building upgrades and "rejuvenation"

2°C

ambient temperature reduced by double-glazed glass skylight

350 kWh

clean renewable energy generated by the hotel's 210 solar panels

20%

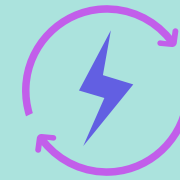
the hotel's food requirements supplied by its rooftop Urban Farm

GRAN MELIÁ
— LOMBOK —

eco-sensitive resort
set to open in 2024



rainwater collection



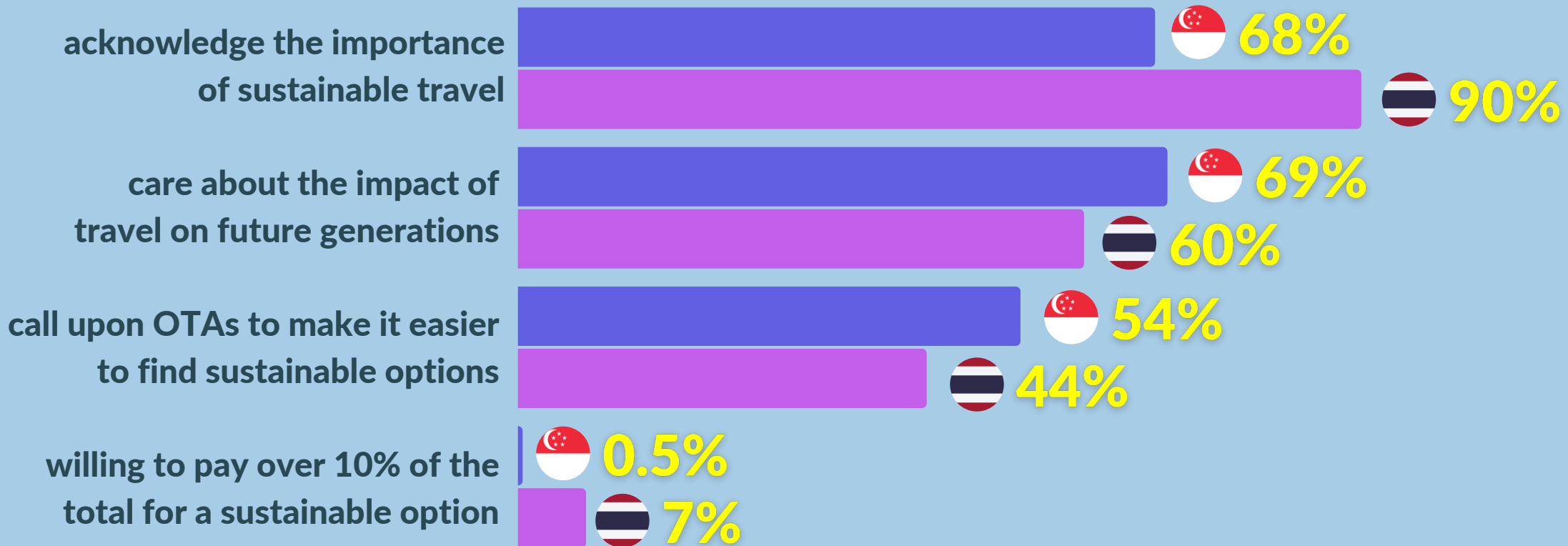
energy saving



waste management

Consumers

Trip.com Sustainable Travel Consumer Report 2022



23%

care about sustainability and are willing to pay for any effort towards it

40%

care about sustainability but are not willing to spend money on them



90%

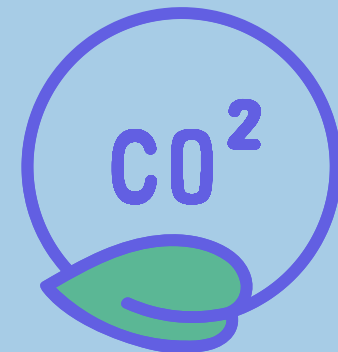
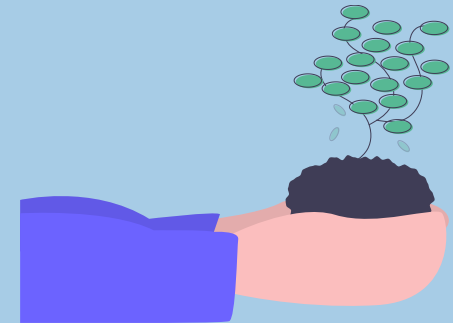
Malaysians agree that sustainable travel is important to them

76%

are willing to adopt sustainable habits when they next travel

Regional Impact

- Travellers might choose shorter-haul destinations to minimise their carbon footprints, in turn boosting intra-ASEAN tourism
- As travellers become more eco-conscious, demand for sustainable and low-carbon tourism as standard will arise
- Implementing carbon emission reduction or offsetting at a destination could pave the way for others to do the same



TECH OPPORTUNITIES



**Carbon footprint calculator
and offsetting app**



**AI tools to monitor energy consumption
and help reduce carbon emissions**



**Streamlining of sustainability
certification schemes**



Sustainable travel-focused OTAs

INDUSTRY

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