

GLOBAL WARMING

Just +0.5°C of global warming is a BIG problem

The world has grown warmer by 1°C since pre-industrial times.

The IPCC, a United Nations body, has warned of grave consequences if average global temperatures rise another 0.5°C. Our communities, lives and livelihoods will be severely threatened if the world fails to take decisive action in the next 10 years.

LOOK

If Temperatures Rise Another 0.5°C ...

Coastal cities, small island nations and archipelagic states may face more climate-related disasters and possible existential threats.

- Sea Level Rise**
Singapore's sea level rise is likely to be **greater than the global average** because of melting polar ice (Kopp et al., 2017)
- Ice-free Arctic**
Over 50% chance of ice-free summers, leading to higher sea levels
- Mosquito-borne Diseases**
Warmer temperatures will reduce the incubation period for the dengue virus within *Aedes aegypti* mosquitoes from 12 to 7 days, putting countries like Singapore at a greater risk (Watts et al., 1987)
- Drought Exposure**
350 million more urban residents will face severe drought, like in Australia and Africa recently
- Species at Risk of Habitat Loss**
~ 6,000 of plants, ~ 1,200 of insects, and ~ 500 of vertebrates will be most at risk of losing over half their habitats (Warren et al., 2018a)
- Human Health**
One billion people will suffer severe heatwaves **once every 5 years**, like what Europe, Japan and India are already experiencing this year
- Coral Bleaching**
Another 70-90% of coral reefs will perish and jeopardise food security as well as livelihoods

Source: The Intergovernmental Panel on Climate Change, IPCC Special Report on Global Warming of 1.5°C, October 2018.

THINK

The World Has Barely 10 Years to Prevent a Climate Catastrophe

How can we change the way we live, work and play for a low-carbon future by 2030?

- 50% REDUCTION** in carbon emissions
- 15% DECREASE** in global energy usage
- 60% INCREASE** in renewable electricity sources

ACT

Invest in a Sustainable Future

We look for opportunities to invest in companies that address global sustainability challenges.

Sustenir
uses smart farming to grow strawberries and kale in Singapore

Neoen
produces green electricity from its international solar, wind, and energy storage facilities

Tessa Therapeutics
is a Singapore-based company developing novel cell therapies for cancer

Verily's
Debug team is fighting the mosquito that spreads dengue in Singapore and around the world

Let's Do Our Part!

Let's act now, together to build an **abc World** of active and productive economies, beautiful and inclusive societies, and a clean, cool Earth.

- REDUCE**
Minimise food waste
Use less disposables
- REUSE**
Repair, trade or share items
Repurpose containers
- RECYCLE**
Separate recyclables
Donate used appliances

TEMASEK SHOPHOUSE

A CRADLE FOR SOCIAL IMPACT

A gift from Temasek to our community
a hub where change makers can collaborate to deliver social and environmental solutions

Scan for more information on Temasek Shophouse

Located within a conservation shophouse, Temasek Shophouse aims to bring together people in Singapore and beyond to champion social enterprises, sustainable models of philanthropy, and efforts to inspire giving and enable caring.

MANDATE FOR COMMUNITY INVESTMENT

Temasek Foundation seeks to strengthen resilience and uplift lives, families and communities, foster dialogue and enhance regional capabilities, and advance science and nature for a sustainable world.

Singapore Mental Health Study
Supporting the Institute of Mental Health on a nation-wide research project on mental health in Singapore

Green Materials
Using renewable sources to develop biodegradable alternatives to single-use plastics

SingHealth Health Care Programme
Providing training in maternal and child health for 250 healthcare professionals in Madhya Pradesh, India

Improving Mobility via Exoskeletons (iMove)
Assessing the viability and potential of using robotic exoskeletons for mobility rehabilitation

Project Silver Screen
Helping senior citizens to get their vision, hearing and oral health checked at subsidised rates

Marie Curie and Da Vinci Junior Programmes
Nurturing the next generation of young scientific minds in Singapore

TEMASEK FOUNDATION
Touching over 900,000 lives in Singapore and across Asia

Scan for more information on how Temasek Foundation enables and enriches lives