

Save the Human

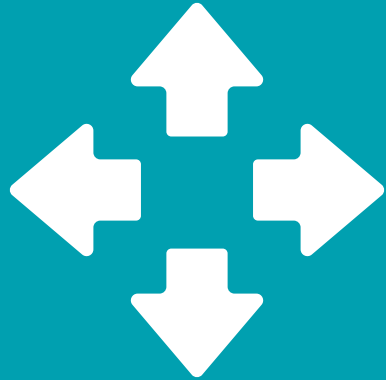
By Stella and Ash

Our idea



- Our project idea was to look at the greatest current threat - COVID-19- and investigate the best possible solution to the problem

Key concepts of sustainability



Systems



World views



Futures

Our project in relation to sustainability

Systems

With our presentation, we will be exploring the impact of different COVID solutions on the systems we have on our world. There is a cause and effect for everything.

World views

We will be looking at the cause and effect of COVID solutions on humans themselves, not the systems we have set up. We will also be looking at different views.

Futures

We will be investigating the solutions and providing the best one to use next pandemic, so we can prepare the future generations for the next one.

Why is COVID-19 a problem?

- Unless you have been under a rock, you would know about COVID-19
- It is a highly infectious and deadly disease currently spreading
- It has economic and social effects as well as health effects
- Right now, the world is working together to combat the spread and find a cure

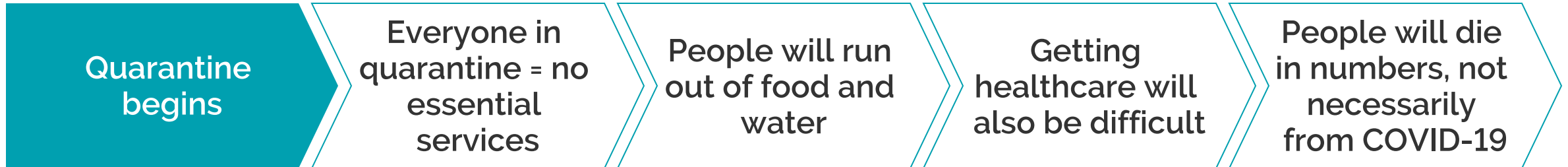


Section 1

Unrealistic solutions

1. Quarantining everyone

In this solution, what happens is that everybody in the world is quarantined and tested.



2. Harsh border closures



Section 2

Reasonable solutions

Masks

Why are masks effective?

- Spread of COVID-19 occurs when droplets from the mouth or nose of an infected person land on mouths/noses of people nearby

Evidence

- New England Journal of Medicine used high speed video to show that hundreds of droplets are spread when saying a simple phrase, but are nearly all blocked by covering the mouth with a wash cloth

Case study- Missouri hair salon

- Two hairstylists came into close contact with 140 clients while sick with COVID-19
- Everyone wore a mask and **no one tested positive** for COVID-19

Case study- Health affairs

- Study published in Health Affairs compared the COVID-19 growth rate before and after mask mandates
- By three weeks the daily growth rate slowed by **2%**

General hygiene

- Washing your hands is one of the best ways to stop the spread of any bacteria or virus
- Washing your hands regularly could reduce cases of respiratory illnesses like COVID by 20%
- This is one of the most essential steps we can take to not spread the virus

Lockdown



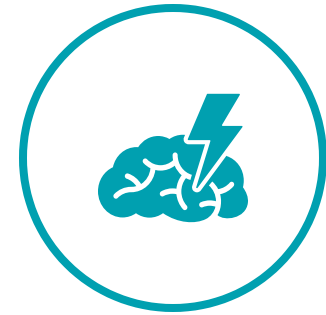
Economic effects

Lockdown affects businesses and people's livelihoods, which means the economy has taken a toll. It has been the weakest year for economic growth in Australia since 1959, and we have seen a 0.3% drop in GDP.



Environmental effects

The lockdown has had both positive and negative effects on the world. On one side, we have had reduction in almost all forms of pollution due to not as much movement. On the other, medical waste and disposable PPE has increased the level of pollution.



Psychological effects

90% of the world has been in some kind of social isolation this year. Not being able to see and interact with family has a known psychological toll. Many countries are reporting higher rates of depression and suicide.

Social distancing

The Vital Importance of Social Distancing

How a reduction in social contact can reduce the spread of the coronavirus



Source: Signer Laboratory/Gary Warshaw



statista

Why is social distancing effective?

- Spread of COVID-19 occurs when droplets from the mouth or nose of an infected person land on mouths/noses of people nearby
- Less likely to happen when people are further apart from each other

Guidelines

- Remain 1.5m away from others whenever possible

Travel restrictions

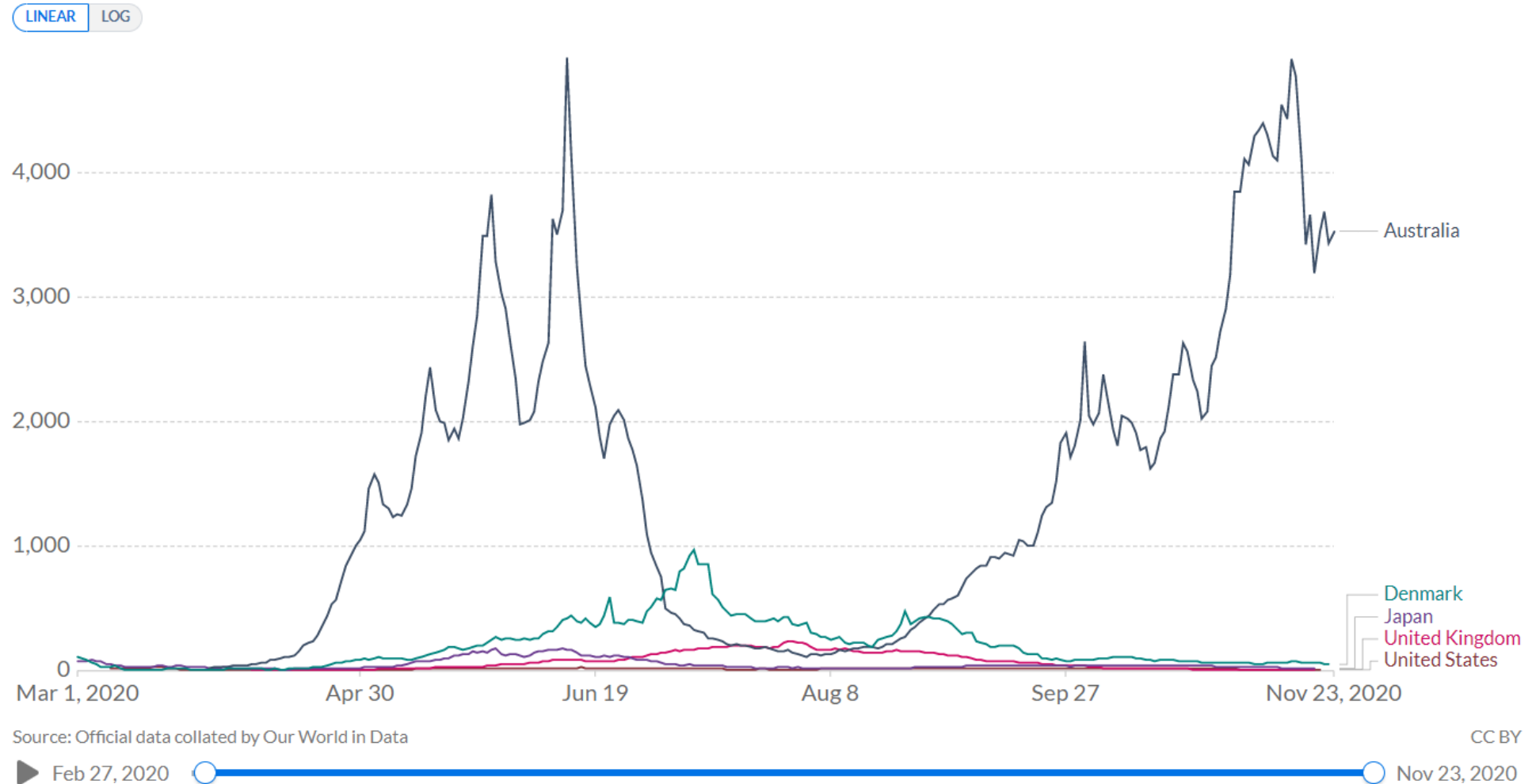
- Makes it harder for COVID-19 to spread
- All international travel is banned
- Restricting border travel
- When arriving in Australia a 14 day quarantine is required
- Stops the virus from travelling to other countries

Regular testing

Tests conducted per confirmed case of COVID-19

Shown is the rolling 7-day average. The number of tests divided by the number of confirmed cases. Not all countries report testing data on a daily basis.

Our World
in Data



● Diagnoses people even if they don't have symptoms

● Allows people to take necessary precautions and seek treatment earlier in order to stop the spread

Being informed by reliable sources

- It is important to be informed in order to maintain perspective and take precautions

- World Health Organisation (WHO)
- Australian Government COVID-19 Health Alert
- Smartraveller

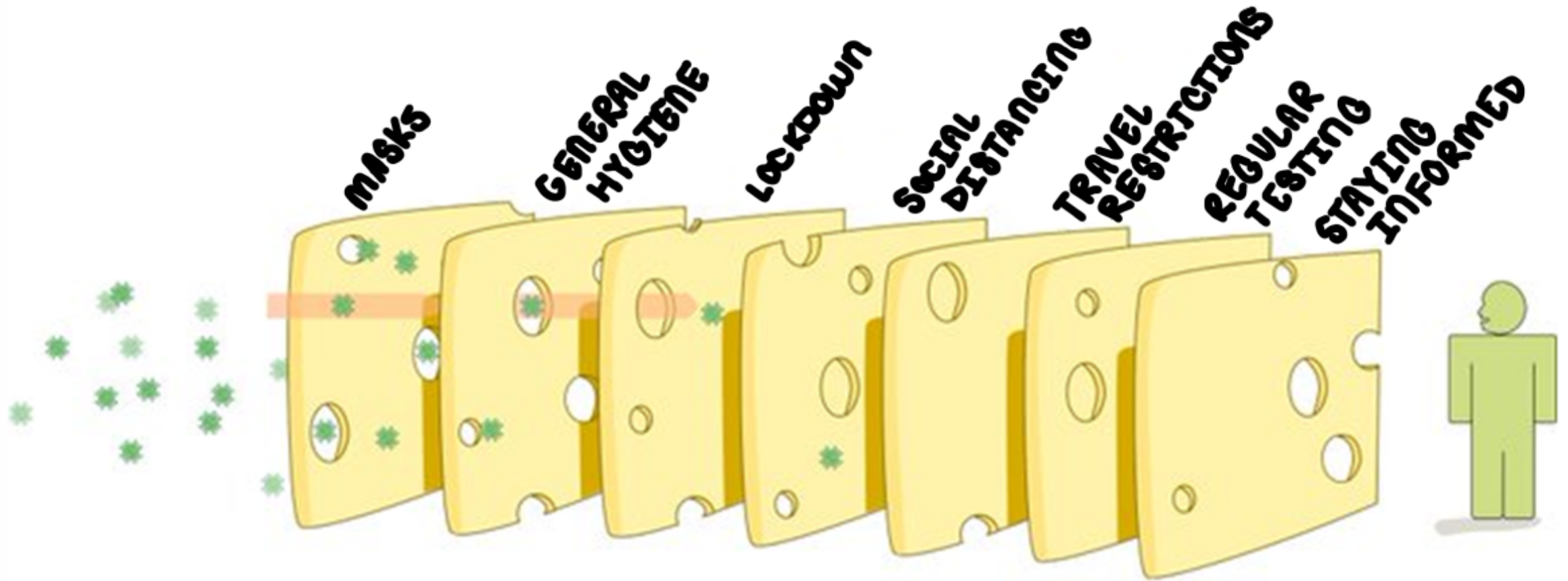
- Evidence of non-reliable sources

“Thanks to our global network of fact-checkers, from April to June, we applied warning labels to 98 million pieces of Covid-19 misinformation and removed seven million pieces of content that could lead to imminent harm.”- Facebook statement



**World Health
Organization**

THE SWISS CHEESE MODEL



EACH INTERVENTION (LAYER) HAS FAILINGS (HOLES).
MULTIPLE LAYERS REDUCE THEIR IMPACT.

The Swiss Cheese diagram

- **The concept**

- No single action can stop the pandemic entirely
- The holes represent the flaws in each strategy
- The flaws in one strategy will be covered up by the strengths of others

- **What does it mean?**

- In order to gain the most sustainable and effective solution to COVID-19 we have to combine many strategies together

But what happens if people don't check reliable sources?

We also want to quickly discuss a topic that we saw while researching this project, and one which we believe is very important to sustainability.

Section 3

Misinformation and Trump

Misinformation

What is misinformation?

It is false information, created with the intent to deceive people.

Where is this misinformation?

It is mostly on social media. This is dangerous because over 60% of us now say that social media is their main news source. On social media sites, false information can spread easily, without being red flagged for some time.

Why has Trump been using it?

Trump has been using it, as he admitted, to try and keep the citizens calm. He says it is a solution to the pandemic. He says things like “the virus is going to fade away” and “hydroxychloroquine is a cure” to calm the public. We have actually debunked some of the most common ones.

Should it be used?

It should not, because it costs lives. Theories like the danger of vaccines and how the virus is fake endangers lives of citizens and the ability to contain the virus. It encourages cognitive bias as well, especially if misinformation is from a relative/friend.

Continued

- It is very important to avoid pandemic misinformation
- To help you, we made an infographic of the some of the things Trump has said about COVID

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