
Talk entitled "As humanity destroys the planet, will the planet fight back with disease or will it be concreted over before it gets the chance?"

Disclaimer

The opinions expressed may include notions conceived entirely by A. Suhrbier.

The opinions expressed do not intentionally represent those of any body or organisation.

Any unauthorised dissemination of the contents would be greatly appreciated.
About half of the world's original forests have been destroyed.

% OF EARTH’S LAND AREA (estimate)

- Urban
- Agriculture
- Mountains
- Forest
- Desert

Species Extinction and Human Population

Mean Global Temperature

Carbon dioxide
Climate Commission: THE CRITICAL DECADE: CLIMATE CHANGE AND HEALTH. 2001
Projected number of days over 35°C in Australian capital cities

<table>
<thead>
<tr>
<th>City</th>
<th>2008</th>
<th>2030</th>
<th>2070</th>
<th>2100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melbourne</td>
<td>9</td>
<td>12</td>
<td>21</td>
<td>27</td>
</tr>
<tr>
<td>Sydney</td>
<td>3.3</td>
<td>4.4</td>
<td>9</td>
<td>14</td>
</tr>
<tr>
<td>Brisbane</td>
<td>0.9</td>
<td>1.7</td>
<td>8</td>
<td>21</td>
</tr>
<tr>
<td>Adelaide</td>
<td>17</td>
<td>22</td>
<td>34</td>
<td>44</td>
</tr>
<tr>
<td>Perth</td>
<td>27</td>
<td>35</td>
<td>56</td>
<td>72</td>
</tr>
<tr>
<td>Canberra</td>
<td>5</td>
<td>8</td>
<td>21</td>
<td>32</td>
</tr>
<tr>
<td>Darwin</td>
<td>9</td>
<td>36</td>
<td>221</td>
<td>312</td>
</tr>
<tr>
<td>Hobart</td>
<td>1.4</td>
<td>1.7</td>
<td>2.5</td>
<td>3.4</td>
</tr>
</tbody>
</table>
Figure 8: Possible timeline of some future adverse health impacts in Australia from climate change.

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Extreme weather events: deaths, hospital admissions, mental health disorders</td>
<td>![Cloud]</td>
<td>![Cloud]</td>
<td>![Cloud]</td>
<td>![Cloud]</td>
</tr>
<tr>
<td>Droughts: rural mental health disorders</td>
<td>![Umbrella]</td>
<td>![Umbrella]</td>
<td>![Umbrella]</td>
<td>![Umbrella]</td>
</tr>
<tr>
<td>Dengue fever</td>
<td>![Mosquito]</td>
<td>![Mosquito]</td>
<td>![Mosquito]</td>
<td>![Mosquito]</td>
</tr>
<tr>
<td>Gastroenteritis</td>
<td>![Toilet]</td>
<td>![Toilet]</td>
<td>![Toilet]</td>
<td>![Toilet]</td>
</tr>
<tr>
<td>Coastal retreat: mental health disorders</td>
<td>![House]</td>
<td>![House]</td>
<td>![House]</td>
<td>![House]</td>
</tr>
<tr>
<td>Population displacement: tensions health stresses and disorders</td>
<td>![Person]</td>
<td>![Person]</td>
<td>![Person]</td>
<td>![Person]</td>
</tr>
</tbody>
</table>
Hospital admissions for mental and behavioural disorders rise once ambient temperatures go above 27°C.

In metropolitan South Australia, admissions for mental, behavioural and cognitive disorders have been found to increase by around 7% during heatwaves. Access block.

In New South Wales a study found that a decrease in annual rainfall by \(\approx 300\) mm would lead to increase in the suicide rate by about 8%.
Skin cancer is the most prevalent cancer worldwide with an annual 5-8% increase in incidence since 1964.

Two-thirds of Australians will be diagnosed with a non-melanoma skin cancer (NMSC) by the age of 70.

Every year, over 430,000 Australians are treated for skin cancer, ≈1,000 people per day.
<table>
<thead>
<tr>
<th>Corporate/banking megopoly</th>
<th>Climate change scientists (NERDS)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BELIEF SYSTEM</strong> – economic growth is paramount. Greed is Good.</td>
<td><strong>BELIEF SYSTEM</strong> – Publishing in Nature is cool</td>
</tr>
<tr>
<td><strong>POWER</strong> – run the world</td>
<td><strong>POWER</strong> – Not applicable</td>
</tr>
<tr>
<td><strong>PR</strong> – billion $ budget and sophisticated</td>
<td><strong>PR</strong> – a dept. on B floor, I think</td>
</tr>
<tr>
<td><strong>POLITICAL INFLUENCE</strong> – governments largely elected as economic managers.</td>
<td><strong>POLITICAL INFLUENCE</strong> – 3-5 year government employment contracts.</td>
</tr>
<tr>
<td><strong>PUBLIC PERCEPTION</strong> – mistakes allowed, uncertainly accepted - despite mega$ in research.</td>
<td><strong>PUBLIC PERCEPTION</strong> – expectation of certainty, despite limited research budget.</td>
</tr>
</tbody>
</table>
Scientists have forgotten Aristotle

To win an argument you need LOGOS, PATHOS, ETHOS

**LOGOS** – (Logical) means persuading by the use of reasoning; your argument must be logical and evidence based.

**PATHOS** – (Emotional) persuading by appealing to the listener’s emotions.

**ETHOS** – (Credibility) – the argument must be made by someone who is viewed as trustworthy and who has the appropriate ethical framework.

Too much LOGOS Al Gore.
Example of 100% Pathos

UK Food Industry advertising

This wholesome nutritious natural milk was willingly provided by happy cows lovingly tended using traditional farming practices unchanged for millennia by our dedicated farmers who know each cow by name.
Humans are governed by politicians

Humans want ever more stuff and vote for politicians that promise them more stuff

There is little political gain in warning against a future disaster

VOTE FOR ME AS I’M GOING TO TAX YOU SO I CAN FUND MITIGATION OF IMPENDING ENVIRONMENTAL AND HEALTH DISASTERS

VOTE FOR ME I WILL LOWER TAX SO YOU CAN BUY A FLAT SCREEN TV
The amount of nonsense out there is amazing.

Even mileage in taking the Mickey out of nonsense.

Example of unintelligent design

Convert from Fahrenheit to Celsius and the temperatures will automatically come down
If you want to provide major grief to humanity, infectious disease definitely works.

*Chikungunya virus* - 1.5 – 6 m people chronic rheumatic disease.

HIV – 40 – 50 million HIV infected.

Influenza - pandemic of 1918-1919 killed 20 - 40 million people

*SARS* – 8,096 known infected cases, 774 deaths. $15 billion loss for tourism

*Smallpox* – Regularly decimated European populations. Eradicated by global vaccination.

*Black Death (Yersinia Pestis) – 14th C killed 1/3 European population

*Fully unexpected*
SMALL POX OUTBREAK!

1972 outbreak in Yugoslavia

175 cases, 35 dead.
Infected people travelling all over the country.

THE APPROPRIATE RESPONSE!

- Yugoslavia closed its borders.
- Forced vaccination of 19 million people.
- Forced quarantine of 10,000 people for 2 weeks or more.
Golden Buckshot

From the small
Switch off lights
Plant trees
Cycle to work
Roof insulation
Solar Power
Buy less crap
Consume less

Vote for the environment

Every bit helps

To the median
Activism through social networks
Local solutions

• Finland – sawdust power plant

• Qld. - Land for Wildlife
Underwater Tidal Turbines

Hammerfest Strøm

1000kW turbine, named HS1000. Feeding the grid in February 2012.

Orkney Islands Scotland