

Dear Ladies and Gentlemen in Australia,

**Wind blows irregularly or even not at all. The sun does not shine at night. And there is still no means to store electricity.** It is therefore impossible to replace coal-powered power plants with wind or solar energy. As such, this endeavour is trivial. In addition, there is state-imposed subsidised pricing and an obligation to purchase electricity at increased prices. Producing electricity from wind and solar power damages economies and is for this reason alone a counterproductive undertaking.

**Whatever was agreed at the Cancun “Climate Summit”** and whatever the self-nominated climate activists deeply believe, whatever was not agreed at Cancun and whatever the same climate activists lament: the climate will not take any notice of them. It will go on as ever, unimpressed by human illusions and deceit to lower CO<sub>2</sub> emissions to achieve a 2 degree of global temperatures. Moreover, nothing will change, as the use of wind power for electricity production has indeed technical limitations. At the same time, an ever-increasing number of gigantic wind turbines and their turning blades increasingly deface beautiful landscapes and harm the environment. Even if one ignores those facts or – as many environmentalists strangely do – deny them, electricity produced in such a manner can only be used in very limited ways and is therefore uneconomical. Why?

Wind energy is not reliable: The turbines only supply electricity at a wind speed of at least 3 meters per second (m/s). They only reach their effective power output at 14m/s. The construction of the blades has the effect that they produce such effective power output consistently up to wind speeds of 25m/s. At higher wind speeds the wind turbines must be automatically switched off. Often the turbine blades even turn at low wind speeds without producing any electricity.

Only 20 to 30 per cent of the maximum power output can be achieved: as wind blows irregularly and the turbines do not produce any electricity at wind speeds of below 3m/s, they only produce an annual average of a maximum of 20 per cent of its maximum power output, at sea this may be up to 30 per cent. They only reach their scheduled power output at wind speeds for which they have been specifically constructed. If specific design limits are exceeded, they have to be shut down immediately.

**Coal, gas and nuclear power plants are indispensable for maintaining a stable electricity network.** The fluctuating power output of wind-powered plants lacks an average of 80% [of the required output] and must persistently be supported by conventional power plants using coal, gas or nuclear material. Wind farms are often operated outside their most efficient operating parameters, as the proportion of wind energy fluctuates and the electricity network must remain stable. A substantial part of the reduction of CO<sub>2</sub> is therefore lost by such unfavourable efficiency factors.

**The proposition that climate change is caused by CO<sub>2</sub> is fraudulent, as the earth has always undergone climate change.** There have been colder periods,

warmer period, and even ice ages. Those have existed in more or less long transitional periods. They have existed before humans and animals have or have only marginally contributed to the concentration of CO<sub>2</sub> in the air, in comparison to today. But also the (anthropogenic) carbon dioxide caused by human activities in today's quantities only contributes a minimal and therefore insignificant part to natural CO<sub>2</sub> emissions. Moreover, carbon dioxide is indispensable to life on earth and therefore not a harmful substance.

**The most important factors for climate change are obviously based on natural causes.** First and foremost is fluctuating solar activity. This has been the case in the past and continues to be the case. Climate change caused by natural factors is unstoppable. The best policy is to adapt to warmer or colder climates. Instead, solar and wind-powered plants are being massively subsidised in order to reduce anthropogenic CO<sub>2</sub> emissions and to force citizens in Germany to use electricity produced by such means at high state-imposed fixed prices. **97 per cent of all global CO<sub>2</sub> emissions have natural causes** (oceans, decomposition of carbonates, breathing of living things, decay, volcanoes), and only approximately 3% are caused by human activities (industry, farming, cattle, fire clearing). Total carbon dioxide amounts to only 0.03 to 0.038 per cent of the volume of the so-called pure atmosphere (ie without the rather variable amounts of water vapour). Most of it consists of nitrogen (around 78 per cent) and oxygen (around 21 per cent). However, most of the already low amount of between 0.03 and 0.038 per cent of total CO<sub>2</sub> has natural causes and only 3-5 per cent are of human origin, ie anthropogenic CO<sub>2</sub>. This means that the 3 to 5 per cent anthropogenic CO<sub>2</sub> results in a minuscule amount of between 0.0011 to 0.0019 per cent of the atmosphere. So, whoever wants to try to persuade mankind that those minuscule amounts caused by humans contribute to climate change could also try to persuade mankind that earth was a disc – something that was believed in a long time ago.

**The importance of the oceans:** Not everyone knows that the oceans of the world contain sixty times as much CO<sub>2</sub> as the atmosphere. However, everyone knows that oceans cover the largest part of the surface of the earth. If oceans warm, CO<sub>2</sub> is released (degassing). If the oceans cool, more CO<sub>2</sub> will be bound and therefore stored. However, the oceans themselves do not cause changes in temperatures.

**An increase of CO<sub>2</sub> levels is not the cause, but the consequence of a warmer climate:** In the earth's history, CO<sub>2</sub> has only ever increased following the warming of the climate, ie CO<sub>2</sub> increases are not the cause but the consequence of warming. Even a total prohibition of burning fossil fuels by climate protection conferences would not eliminate a CO<sub>2</sub> increase in the atmosphere: if the climate warms up, the increase begins. The Federal Institute of Geosciences and Resources, the Institute for Geo-scientific Regional Economic Structures and the State Office for Soil Research of Lower Saxony in Germany have also shown that a CO<sub>2</sub> increase has only ever happened after the climate has warmed; in other words that it was not a cause but a consequence. Although CO<sub>2</sub> emissions – against all target predictions - increase dramatically on a global basis. Global temperatures tend to have been decreasing for about the last ten years.

**Hence there is no single scientific piece of evidence that a high CO2 concentration of whatever origin will have any significant influence on the climate.** The warming-effect of CO2 (not the glasshouse effect) has practically reached its effective limitations at low CO2 contents. Higher CO2 concentrations have no additional warming effect. The sun has the most decisive influence on the earth's climate. However, solar radiation fluctuates. The CO2 concentration in the earth's atmosphere also fluctuates. That has always been the case, without any human interference.

**The proposition that climate change is caused by anthropogenic CO2 is no more than a fiction, an illusion, a chimera, a pipe dream and therefore constitutes deception and fraud.** Agreements in Copenhagen that are based on those illusions are not only absurd but also dangerous to public safety. They will result in economic damage, even if some sectors profit from them.

Yours sincerely

Klaus Peter Krause

Dr. Klaus Peter Krause Heinrich-Heine-Str. 15 D-61169 Friedberg

Telefon: 06031 - 736 815 Fax: 06031 - 62 849 E-Mail: [privat@kpk-kpk.de](mailto:privat@kpk-kpk.de)