

House-boiler transfert function

Futures climate disruption



1 The depletion of our non-renewable resources

Figure 44

2 Climat change 600 000 years of C02 emission





The machine is lauched ! with the CO2 lifespan in the l'atmosphère : 100 years

Some links to Greenhouse Gases

Jancovici

<u>WIKI</u>

Figure 46



It would seem that the curve of increase of the carbon dioxide content in the atmosphere during the second industrial revolution is exponential, as the examination of Figure 45 suggests. Hence, the curve of the increase in the temperature on the surface of our planet could be so it could indeed be the case. The climate catastrophe may not be there yet but it would seem that we have only 2 to 3 generations ahead of us to do the work, which means that we must not drag on given the work that remains to be done. Falling asleep like AI Gore's frog would be the worst of attitudes. I will try to explain why. It can be seen from this figure that the very small period of time of the order of the century corresponding to the 2nd industrial revolution following the cycles of Milankovic and the 1st industrial period saw the temperature on earth increase by 1 ° C. The machine is launched. Some organizations associated with the IPCC expect it to be $+ 3 \circ C$ by 2100

The temperature balance in a house is reached when the energy emitted by the boiler is equal to the energy dissipated in the walls of the house. What returns is then equal to what comes out in some way. If we improve the insulation of the house without changing the power of the boiler the temperature inside the house increases. The temperature variation curve within the house can be defined as a function of time by calculating the <u>transfer function of a building and its boiler room</u>. It is a little what is happening with our planet earth, the power of the boiler room to know the radiation that comes from the sun remains constant at the scale of a dozen generation but because of the combustion of fossil fuels and the greenhouse gases it generates in the upper layers of the atmosphere, the amount of reflected heat decreases. This has the effect of causing an increase in the average temperature on earth and the climate disturbances that we are currently seeing. A climatologist may be more able to quantify the phenomenon in the case of the earth as I did for the house. The fact is that the phenomenon can also be understood by equating our planet with our house and its boiler room. When the power dissipated in the walls of a house decreases while the power emitted by the boiler remains constant the temperature increases gradually in the living rooms to reach a state of equilibrium. Our planet is a little the same thing, the less the solar radiation is reflected towards the cosmos because of the increase in the greenhouse gas content the more the surface of the earth heats up.

We stumble too often on the long road to energy transition. We are even in the process of going into a vacuum with Australia and its plan to set up a new coal plant. We must face the facts, conservatism, ignorance, lies, inappropriate taxation and greed, obscurantism and human stupidity are at the heart of our problems.

Life must be lived looking towards the future, but it can only be understood by turning to the past Sören Kierkegaard

Due to its technological advance, the European Union is among the 3 most gluttonous economic regions, namely China, the United States and India, which could announce the first and in its interest more ambitious objectives for significantly reduce its greenhouse gas emissions. This is why France is showing the example of what needs to be done in the first place at the "Solar Water Economy" for other European countries, in two stages:

-An initial period with hybrid systems, whether they be existing house or car heating systems, which would substantially reduce emissions from fossil fuels by 2.5, as well as the need for electricity.

-A second period then taking place resulting from an awareness that to solve our current problems our interest is to avoid the "always more"

This is so that it happens without harming the European economy quite the contrary. Did not the Secretary-General of the OECD explain that it is better to be one of those who make the rules than to be counted among those who choose to adopt them? Europe, which aims for carbon neutrality in 2050, that is to say in two generations, namely one generation per period, can not help but become involved in practice. The problem mentioned in Figure 46 is the fact that the lifetime of carbon dioxide (CO2) in the atmosphere is approximately a hundred years, we must be made to the idea that even if we managed to delete right now greenhouse gas emissions by shutting down all coal and oil-fired power plants in China, India and the USA (see page 14), the amount of greenhouse gases already contained in the atmosphere While the lifespan of carbon dioxide in the atmosphere is a hundred years the energy reflected by the earth will continue to decrease this, but it will continue to decline. This you have guessed that the temperature on earth will continue to increase less quickly, but it will continue to increase. This in a way comparable to a house in which one would maintain the constant heating power by improving the insulation.

According to the OECD a rate of 500 ppm of CO2 namely the carbon dioxide responsible for 50% of the greenhouse effect is a limit not to be exceeded with regard to the climate See

Voir http://www.infoenergie.eu/riv+ener/LCU_fichiers/G-prospective.pdf

By financing fossil fuels les banques françaises ont selon Goodplanet une lourde responsabilité dans la dégradation du climat.