The power of Online-Tools

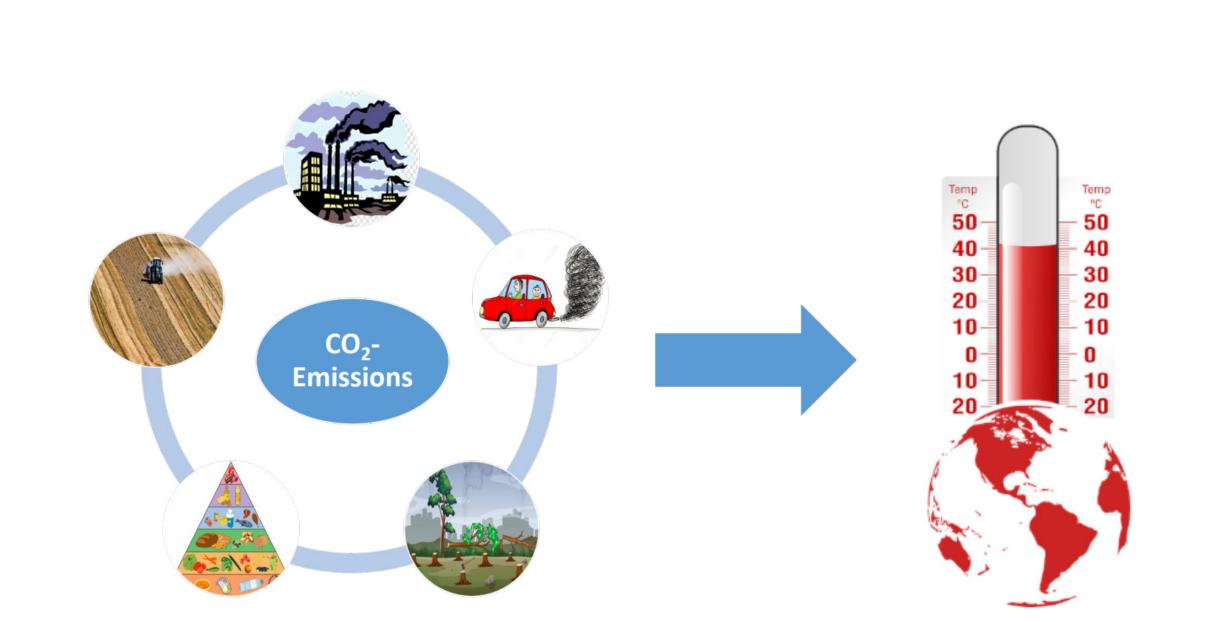
Can Apps and Online-Tools be helpful for spreading the impact of CO₂ emissions on climate change?

Carbon dioxide (CO₂) is an important heat-trapping greenhouse gas, which is released through human activities such as deforestation and burning fossil fuels, as well as natural processes such as respiration and volcanic eruptions. Due to the steady increase of emissions, the earth is warming up.

It is nowadays a well-known fact that CO₂ emissions have an impact on climate change. A large number of apps and online tools have been developed to illustrate the extent of the emissions, to provide information and to give suggestions for making one's own lifestyle more CO_2 neutral. We want to find out whether the tools meet these requirements. Therefore we have launched a survey.

World Total: 36573 MtCO,

(2)



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CO₂ TOOLS

CLIMATE TIME MACHINE



level, carbon ice, sea dioxide global and temperature in different time spans.

different time spans.



UN CLIMATE CHANGE

The tool provides information of the UN Climate Change process. Thus, you can participate in UNFCCC (United Nations Framework Convention on Climate

Change) events. (5)





2100 WARMING +2.0°

6 T

CARBON FOOTPRINT

The tool is tracking your habits and tells you how much CO₂ equivalent pollution you're emitting.



CLIMATE PATHWAYS

Peaking in 2030 and reducing 6.1% a yea

INTERACTIVE

How much do greenhouse gas emissions have

to fall to stabilize the earth's temperature?

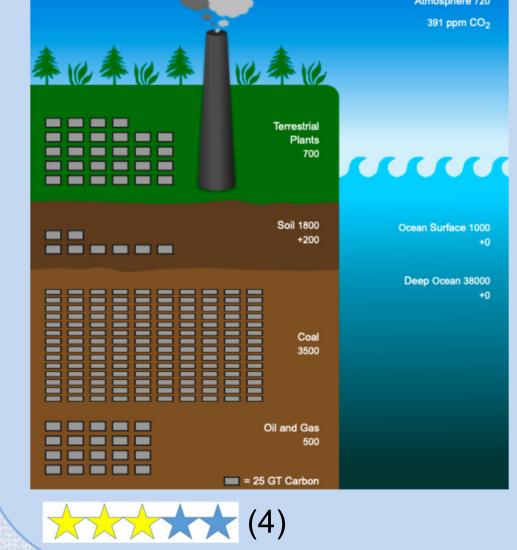
FOODSHARING

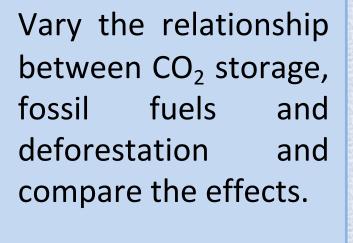


Reducing food waste leads to food less production and thus to savings in Co2 emissions.

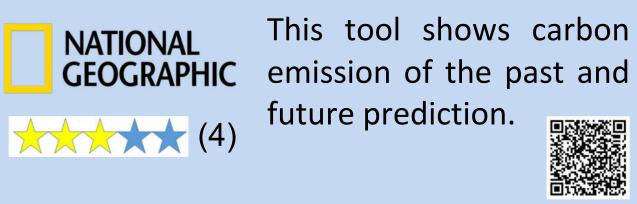








NATIONAL GEOGRAPHIC



CO₂ Calculator

CO2 consumption. CO₂ Rechner **********(6)



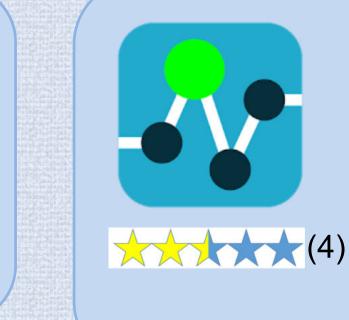
CO₂ GAME

Climate

Pathways

(5)

Play a game and reduce real-life CO₂ emissions by supporting Afforestation projects in Brasil.



2040

CO₂ MODELLER

How do you have to change

the CO_2 course to stay below 2 degrees global warming?

The survey

The survey is divided into three categories: (1)Handling, (2)review and (3)personal impact Only people from our circle of acquaintances were interviewed. The majority of the participants are students

Most apps only work for Android and not for iOS

In general, every tool is specific

from the subject area landscape ecology or sustainability. Due to the small sample - number in () -, the significance of the study is limited.

Websites



1. The handling of the tool is extensive, user-friendly and attractive.

2. The tool provides information which is worth knowing.

3. The tool influences me to reduce my own CO_2 consumption slightly.



system. Online tools are for everyone available.



They normally do not concentrate on all the three categories, but for each need there is a tool.

The handling and information provision of websites was convincing compared to that of apps.



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References:

- https://climate.nasa.gov/vital-signs/carbon-dioxide/
- https://antiseche.files.wordpress.com/2019/06/climate-change-3835518_1920.png?w=960
- https://media.istockphoto.com/vectors/polution-theme-with-deforestation-vector-id665802524?k=6&m=665802524&s=612x612&w=0&h=oiyqIN6vAm1qfE2kRa0xytStn1J5zgqnHrfmcjyUCQg=
- 4. https://www.ecosia.org/images?q=ern%C3%A4hrungspyramide#id=C5714240032FF12234E41B6FAF784232D104B012
- https://www.dreamstime.com/stock-photography-car-smoke-cartoon-image24680972
- 6. https://www.maz-online.de/var/storage/images/maz/brandenburg/duerresommer-brandenburger-bauern-erhalten-104-millionen-euro-hilfen/727619278-2-ger-DE/Duerresommer-Bauern-erhalten-104-Millionen-Euro-Hilfen_big_teaser_article.jpg