

WARMNING

WARMING/WARNING

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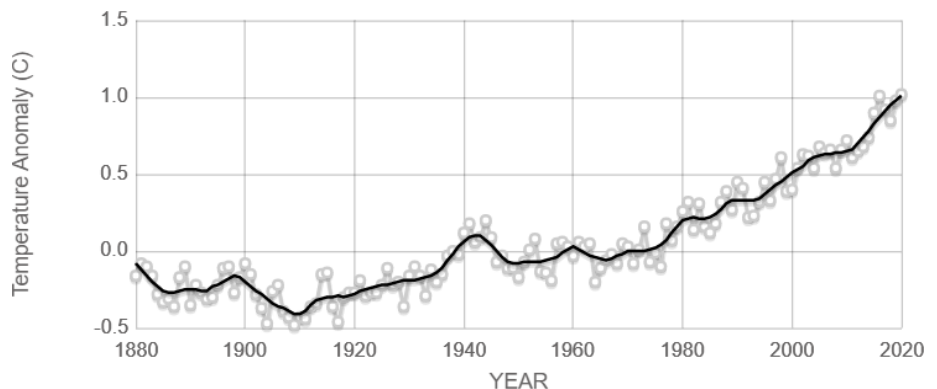
Warning! It's Warming:

1. Climate Change:



Human activities (primarily the burning of fossil fuels) have fundamentally increased the concentration of greenhouse gases in Earth's atmosphere, warming the planet.

Direct observations made on and above Earth's surface show the planet's climate is significantly changing. Human activities are the primary driver of those changes.



Source: climate.nasa.gov

The effects of human-caused global warming are happening now, are irreversible on the timescale of people alive today, and will worsen in the decades to come. However, Natural drivers, without human intervention, would push our planet toward a cooling period.

Learn more about Climate Change at: climate.nasa.gov

2. Heat:

Extreme heat can increase the risk of other types of disasters. Heat can exacerbate drought, and hot dry conditions can in turn create wildfire conditions. In cities, buildings, roads and infrastructure can be heated to 50 to 90 degrees hotter than the air while natural surfaces remain closer to air temperatures.



The heat island effect is most intense during the day, but the slow release of heat from the infrastructure overnight (or an atmospheric heat island) can keep cities much hotter than surrounding areas. Rising temperatures across the country poses a threat to people, ecosystems and the economy.

Heat waves are often associated with droughts and forest fires that have multi-billion-dollar impacts on national and global societies. These phenomena appear to be increasing in frequency, intensity, and duration, and affect the water-energy-food nexus with consequent impacts on social and economic structures

3. Lack of Action Plans:

Environmental co-factors that are related to heat wave and heat stress and affect health include air pollution (PM2.5—inhalable particles whose diameters are 2.5 micrometers and smaller), exacerbation of pre-existing health conditions, and the availability or unavailability of infrastructure (e.g., air conditioning, adequate power-generation capacity, and water capacity for irrigation and fire reduction). Concise and simple information is often lacking or not readily accessible in the form of customized warnings that can help individuals and counties/cities take mitigating actions.

Introducing... Warming:

1. Introduction:

Warming is a webapp that generates heat-related risk warnings.

Using Earth Observations (EO) and other models (e.g. Sensors...) together with local crowdsourced data our web app provides warnings (e.g., heat stress intensity duration levels), estimate potential human and environmental/ecological impacts, and provide guidance on mitigation measures that are adopted at the individual and national policy levels.



Our web app is also Available as a Computer Software and a Mobile App.

Visit www.warming.co/ for more details

2. User Interface:

Our App generates a heat stress risk warning level (Red, Yellow, Green) for a selected area (e.g., city, county, country), and potential risk for the following: forest fires, air pollution, crop damage, water and energy supply shortages.

Interface user friendly, Activate your location, Map of heat stress, if you accepted to activate you location, the web app will show you your local data, if not Your area based on your ip address

Menu: Layers, search button, arrows, rotation...

Description: Location,

Our user interface is very simple with templates that are intuitive, and our data is readily available to the user

Our app includes quantitative and graphical displays with brief explanations. Also more details are provided via linked cross-references