Global Carbon Budget 2022
The numbers that tell the truth about climate action
Global carbon emissions in 2022 remain at record levels

Global fossil CO₂ emissions
2020 emissions: declined 5.4% from 2019 levels to due COVID-19 measures.
2021 emissions: rebounded 5.1% from 2020 levels. Emissions projected to rise again by 1.0% in 2022 – slightly above the pre-COVID-19 levels.

Global CO₂ emissions from land-use changes
Indonesia, Brazil and the Democratic Republic of the Congo contribute 58% of global land-use change emissions.

There is a limited cumulative CO₂ emission budget for any given climate target.
If current emissions levels persist, there is now a 50% chance that global warming of 1.5°C will be exceeded in nine years.

Global CO₂ emissions must reach zero to limit global warming.
World leaders must take meaningful action if we are to have any chance of limiting global warming close to 1.5°C.

Stopping deforestation and increasing efforts to restore and expand forests presents a large opportunity to reduce emissions and increase removals in forests.

Every un-emitted gigatonne CO₂ matters. Every avoided tenth of degree of warming matters

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