

Proposals for reducing carbon dioxide emissions must balance with development needs

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Efforts to combat climate change should take into account the development levels of different countries when negotiating agreements, according to a study published in the Dec. 21 issue of the online journal *PLoS ONE*.

On an early stage, developing countries tend to rely on fossil fuels to achieve their development targets. In a world of limited technology transfer, cumulative [CO2 emission](#) necessary for development are between 20 and 30% of previously calculated budgets to keep [global temperature](#) below 2 C target.

The authors of the recent report, led by Luis Costa of the Potsdam Institute for Climate Impact Research in Germany, propose a new allocation framework that reserves individual emissions paths for the Development As Usual (DAU) of current developing countries until certain development standards - in the form of long, healthy life, access to knowledge, and decent living standards - are reached, at which point the countries become responsible for reducing their emissions.

Diego Rybski, a co-author, cautions that the results should not be considered predictions but rather as a possible future. Nonetheless, Juergen Kropp concludes that an integration of fair a CO2 allocations and individual carbon budgets considering development dynamics might have a better chance for acceptance in [climate negotiations](#).

More information: Costa L, Rybski D, Kropp JP (2011) A Human Development Framework for CO2 Reductions. PLoS ONE 6(12): e29262. [doi:10.1371/journal.pone.0029262](https://doi.org/10.1371/journal.pone.0029262)

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