

The papers "[Paleoclimate Implications for Human-Made Climate Change](#)" and "[Earth's Energy Imbalance and Implications](#)" have both been published in arXiv.

arXiv is an invention of the physics community, which deals well with some of the negative aspects of the peer-review system. Pre-prints published in arXiv are a permanent, reference-able (cite-able) part of the scientific literature. Among other merits, this system allows scientists to establish precedence for new results. In most cases a later version of the paper is published in the regular scientific literature. arXiv publication allowed these two papers to be reference-able in our draft paper [The Case for Young People and Nature: A Path to a Healthy, Natural, Prosperous Future](#).

The principal conclusion in the "Paleoclimate" paper is that prior warmer inter-glacial periods were only slightly (less than 1C) warmer than today. Targets for limiting human-made global warming that governments are talking about would be disastrous within the lifetimes of our children and grandchildren.

The principal conclusion in "Imbalance" is that Earth was substantially out of energy balance, $0.59 \pm 0.15 \text{ W/m}^2$, during the recent deep solar minimum (2005-2010), more energy coming in than going out. This confirms that human-made greenhouse gases are the overwhelming drive for climate change and tells us how much we must reduce the climate forcing to stabilize climate.

We did not yet have time to introduce some of the suggestions we have received. Before the papers are submitted to journals, the section on climate sensitivity in the "Imbalance" paper will be moved to the "Paleoclimate" paper, replacing the section on "fast feedbacks" in the latter paper.

Minor corrections are included in the "Case for Young People" paper to account for last minute communications with co-authors, e.g., co-author Konrad Steffen, who was temporarily unreachable on the Greenland ice sheet, has approved the draft version of the paper and is now included in the author list.

Jim