

Climate change is coming faster and is more severe than we anticipated.

“The climate crisis has arrived and is accelerating faster than most scientists expected (figure 2, IPCC 2018). It is more severe than anticipated, threatening natural ecosystems and the fate of humanity (IPCC 2019).”

We are cutting too many forests, disrupting natural [evaporative cooling and carbon sequestering processes](#). We are paving too much of the landscape, pumping too much CO₂ and other greenhouse gases into the atmosphere, creating heat cells in the atmosphere and oceans. This extra heat melts ice, generates intense storms, causes droughts, threatens food growing systems, destabilizes economies and societies, activates destructive feedback loops, and forces people to become refugees.

The rotation of the Earth - and associated [Coriolis effect](#) - spin heat from the tropics toward polar regions. [Meltwater from Greenland](#) weakens the [Gulf Stream](#), part of the Earth's ocean-wide circulation system.

Our industrial systems are overpowering the self-healing and self-stabilizing processes of the Earth's forests and oceans.

Growing enough food locally to feed the people in our communities is our number one priority. If we can feed our people, we have a chance of maintaining civility. Moreover, our food growing activities need to be sustainable and long term. We need to grow organically without much industrial input.

History teaches us that culture is a relationship between land and people. If we care for our land, forests, and streams, rivers, and estuaries, they care for us.

Communities of well-informed people who grow enough food to feed themselves, and fortunate enough to be surrounded by forests and water, may be able to sustain social order, adapt, and survive.

We may have 4 or 5 years, maybe even 10, of relative stability - but expect, plan on, every year to be less stable than the year before.

Scientists tell us that there are already enough greenhouse gases and heat in the atmosphere and oceans to destabilize global climate for the next thousand years.*

*Susan Solomon, et al., *Irreversible climate change due to carbon dioxide emissions*, 2009 <https://www.pnas.org/content/106/6/1704>

World Scientists' Warning of a Climate Emergency
<https://academic.oup.com/bioscience/advance-article/doi/10.1093/biosci/biz088/5610806>

https://report.ipcc.ch/srocc/pdf/SROCC_SPM_Approved.pdf

Climate Change Will Cost Us Even More Than We Think
<https://www.nytimes.com/2019/10/23/opinion/climate-change-costs.html?action=click&module=Opinion&pgtype=Homepage>

David B Lauterwasser, *The Collapse of Global Civilization Has Begun*, Nov. 2017
<https://mahb.stanford.edu/library-item/collapse-global-civilization-begun/> or
<https://medium.com/@FeunFooPermaKra/the-collapse-of-global-civilization-has-begun-b527c649754c>