

Adapting to our changing climate

Human-made climate change is only one aspect of the pressures affecting the sustainability to our way of life. Nevertheless, its impact will force us, our children and grandchildren to endure consequences of extreme weather events, rising sea levels, ocean acidification and more.

We can treat it as doom and gloom and ignore it, or you can come to this lecture and walk away with a sense that it's a challenge and become engaged in that challenge about humanities future; it can't be ignored. We need a paradigm shift to think 6 generations out.

In this presentation, we will investigate those threats and challenges and some of the energy solutions and carbon-negative technologies being developed. Let's investigate how we can turn these technologies into opportunities that create a brighter future for our young people to "drain the swamp" of people representing financial interests and come out of the muck for a sustainable less-threatened future.

We will investigate aspects involving reducing atmospheric greenhouse gases (GHGs) by changing our energy and propulsion systems to non-carbon sourced fuels in the coming decades, not centuries. Another aspect involves changing our agricultural practices that can improve our soils as well as reduce atmospheric greenhouse gases (GHGs) – what's called carbon-negative technologies. This means that we must get political processes moving now and that won't happen until the public has a better understanding of what is needed and demands it: drain the swamp of financial special interests.

Presenter: Dr. Paul Belanger, received his Ph.D. in paleoceanography/paleoclimatology studying ice-age microfossils and stable isotopes from Brown University. His career has shifted between oil and gas exploration to other paleoclimate-paleoceanographic research in the Atlantic and Mediterranean. For the past 10 years, he's led a forum and list-group on climate change and the broader picture of sustainability (see <http://denverclimatestudygroup.com/>) giving him the "big-picture" view about which he will talk about.