

**Daniel B. Botkin scientific background regarding climate change and its ecological effects.**

Daniel Botkin is Professor of Biology Emeritus, University of California, Santa Barbara and adjunct professor of biology, University of Miami, Coral Gables. He has been on the faculty of the Yale School of Forestry and Environmental Studies, and George Mason University. At the University of California, Santa Barbara he was chairman of the Environmental Studies Program for six years.

His research is in ecology. He began research on the possibility of human-caused global warming in 1968 and have continued in that research ever since. In 1970, he developed the first successful computer model of forests, which for several decades was one of just two methods available to forecast the effects of climate change on forests and their endangered species. This computer model is in wide use around the world and has been well-validated.

He has participated in some development of global climate models. He has done observational – empirical research — on climate change, including the first statistically valid estimates of carbon storage and uptake by any large area of forests of Earth, did some of the first direct gas exchange measurements of carbon dioxide in forests. Among is recent research is a publication evaluating the methods in use to forecast effects of global warming on biodiversity, and the use of historical data from whaling ships logbooks to compare arctic sea ice extend in the 19<sup>th</sup> century with modern observations. In addition, he is one of 1800 “expert” reviewers of the new IPCC climate change report.