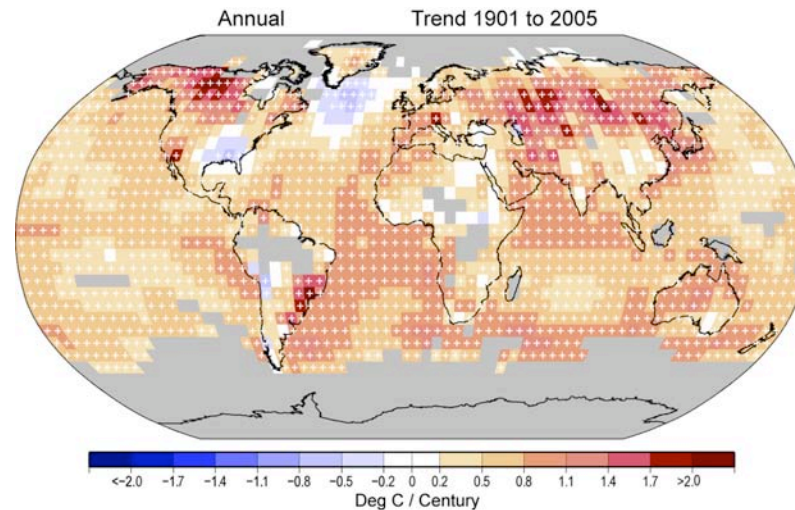


Global Warming is Unequivocal



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Following a detailed diagnosis of the vital signs of the planet Earth by the IPCC, it has become evident that the planet is running a “fever” and the prognosis is that it is apt to get much worse. “Warming of the climate system is unequivocal”, and it is “very likely” due to human activities. This is the verdict of the Fourth Assessment Report of the Intergovernmental Panel on Climate Change (IPCC), known as AR4. Warming of the climate system is unequivocal as is now clear from an increasing body of evidence showing discernible physically consistent changes. Moreover, these changes are now simulated in climate models for the past 100 years to a reasonable degree, adding confidence to future projections. This talk will go over the evidence for climate change, how we are able to say that it is due to humans, and what it means for the future.



Dr. Kevin E. Trenberth is Head of the Climate Analysis Section at the National Center for Atmospheric Research (NCAR). From New Zealand, he completed a first class honours degree in math from the University of Canterbury, Christchurch. Later, he obtained his Sc. D. in meteorology in 1972 from MIT. He recently served on the Scientific Steering Group for the Climate Variability and Predictability (CLIVAR) program and was co-Chair from 1995 to 1999. He also served from 1999 to 2006 on the Joint Scientific Committee of the World Climate Research Program (WCRP) and he chairs the WCRP Observation and Assimilation Panel.

He has served as an editor and associate editor for several professional journals. He has published over 400 scientific articles or papers, including 40 books or book chapters, and over 175 refereed journal articles and has given many invited scientific talks as well as appearing in a number of television, radio programs, and newspaper articles.

Trenberth has served on a number of national and international advisory committees and panels including many panels, committees and a board of the National Academy of Sciences. He is a fellow of the American Meteorological Society (AMS), the American Association for Advancement of Science, the American Geophysical Union, and an honorary fellow of the Royal Society of New Zealand. In 2000 he received the Jule G. Charney award from the AMS and in 2003 he was given the NCAR Distinguished Achievement Award. He was a lead author of the 1995, 2001 and 2007 Intergovernmental Panel on Climate Change (IPCC) Scientific Assessment of Climate Change.