

# Encyclopedia of climatology

Van Nostrand Reinhold - Climatology



Description: -

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Climatology -- Dictionaries  
Meteorology -- Dictionaries  
Encyclopedia of climatology  
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5085  
OSTI ;  
v. 11  
Encyclopedia of earth sciences ; Encyclopedia of climatology  
Notes: Includes bibliographies and index.  
This edition was published in 1987



Filesize: 19.31 MB

Tags: #Climate #Science, #The #Philosophy #of

## Oxford Encyclopedia of Climate Change Communication

A consideration that is often appealed to in order to further discriminate between options is caution. Parameterizations are also used to represent transfers of water, energy and momentum between the ocean and the atmosphere.

### Climatology

Like the other cycles mentioned, it is actually very complex: carbon in the atmosphere, essentially in the form of CO<sub>2</sub>, is captured by vegetation and ocean phytoplankton through photosynthesis and transformed into organic matter: wood, leaves, etc. She also emphasizes that the core idea that increased atmospheric concentrations of carbon dioxide would warm the climate emerged first from basic physical understanding, not from computer models of the climate system.

### climate change

Get a Britannica Premium subscription and gain access to exclusive content. The rule is simple to use, but arguably much too cautious, paying no attention at all to the full spread of possible expected utilities. There are two issues here.

## Oxford Encyclopedia of Climate Change Communication

Prepared for publication by NCAR.

### Climatology

Finally, discusses research in climate science that addresses the issue of anthropogenic climate change, as well as several recent controversies related to this research; it also provides some pointers to the large literature that has emerged on ethics and climate change.

## Oxford Encyclopedia of Climate Change Communication

Beyond a few years, initial conditions are of little importance and applied forcings become dominant. Indeed, such common errors have been

widely acknowledged see, for instance, Knutti et al. Director Tyson Brown, National Geographic Society Author National Geographic Society Production Managers Gina Borgia, National Geographic Society Jeanna Sullivan, National Geographic Society Program Specialists Sarah Appleton, National Geographic Society Margot Willis, National Geographic Society Producer Clint Parks Last Updated Oct.

## **Climate Science, The Philosophy of**

Complex models have different modules for the atmosphere, the ocean, and ice. Local eigenvalue analysis of CMIP3 climate model errors. Throughout Earth's history, climate has continually changed.

## **The climate machine**

Much research these days is undertaken with the aim of generating projections about the actual future evolution of the Earth system under a particular emission scenario, upon which policies are made and real-life decisions are taken. The residual variability after observations have been attributed to each factor should then be consistent with the internal variability; if not, this suggests that an important source of variability remains unaccounted for.

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