



# ECOLOGY OF THE CHANGING PLANET

NVS1160

## AN INCONVENIENT TRUTH - 96 mins

1. Continental Drift - what is the connection between continental drift and the climate record?
2. Revelle - who was Roger Revelle?
3. CO<sub>2</sub> since 1958 - why were measurements of atmospheric CO<sub>2</sub> taken in Hawaii?
4. Glaciers Recede - besides sea level rise, what is a further consequence of glacier melt?
5. Ice Cores - what kind of information is available from ice cores?
6. 650,000 record - what is the relationship between CO<sub>2</sub> and temperature?
7. 650,000 record - why is the 'fit' of the curves more complicated than it first looks?
8. Rising Temp - what happens when oceans get warmer?
9. Hurricanes - why did scientists think that it would be impossible to get a hurricane in the South Atlantic?
10. Arctic - how are we measuring the thickness of the ice cap?
11. Arctic - what happens to the solar radiation as the ice melts?
12. Ocean Conveyor - how is energy circulated on the Earth?
13. Ocean Conveyor - What is a non-linear system?
14. Troubling Signs - what is an ecological niche?
15. Antarctica - what is the 'ice cube analogy'?
16. Sea Level - what factors contribute to sea level rise?
17. Sea Level - who is most at risk from sea level rise?
18. Population - why do we 'slash and burn' forests?
19. Old habits and new tech - what is 'boiled frog syndrome'?
20. Is there a controversy - why is there a difference between the findings of the Scientific and the Popular press?