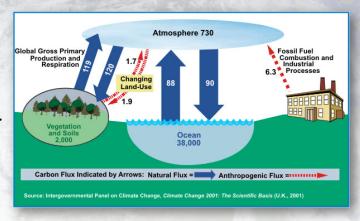
Global Carbon Dioxide Research - Past, Present, and Future

http://www.esrl.noaa.gov/about/dedication

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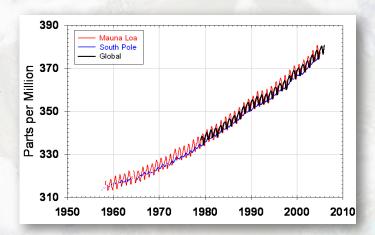
The Carbon Cycle

If society is to manage or reduce carbon emissions in the future, reliable and accurate information on carbon dioxide levels will be needed on regional, national, and global scales.



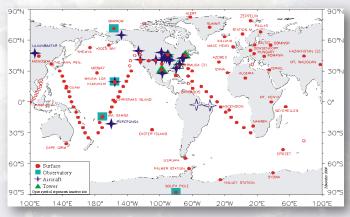
The Trend

Without accurate measurements, the effectiveness of carbon dioxide mitigation, verification of emission reductions and energy strategies become very uncertain.



The Global View

The current world-wide network operated by ESRL provides a global foundation for monitoring and understanding carbon dioxide. The developing North American network offers a viable opportunity for managing carbon.



ESRL's measurements and research will be used in models to predict future levels of carbon dioxide, and will be used to verify carbon dioxide emissions and uptake.