

## EarthComm Earth's Fluid Spheres: Cryosphere and Your Community Activity 3

### This investigation will help you to:

- How Glaciers Affect Global Sea Level
- To view the Vostok ice core data, visit the following web site:

#### How Glaciers Affect Global Sea Level

- "Sea Surface and Sea Level" - Atmospheric Radiation and Measurement Program - DOE  
Online article reviews terms commonly used to describe sea level change, the causes of long- and short-term sea level change, how sea level change is tied to global warming, how weather impacts sea level, and more.
- "Ice Sheets and Glaciers" - NASA - Jet Propulsion Laboratory  
Introduces ice sheet and glacier formation, their importance in regards to influencing and monitoring global climate, their influence on atmospheric and oceanic circulation, how glaciers move, and their impact on sea level change. Also looks at the technology that scientists use to study glaciers.
- "Sea Level Change and Climate" - USGS Fact Sheet 002-00  
This fact sheet looks at how glacial-interglacial cycles impact sea level and how a melting of today's glaciers could cause sea level to rise.
- The Contribution of the Cryosphere to Changes in Sea Level - National Snow and Ice Data Center  
Reviews influence of glaciers on sea level. Includes a graph which shows how glaciers have contributed to sea level changes over the past 40 years.

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To view the Vostok ice core data, visit the following web site:

- [NOAA Vostoc Core Data](#)

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