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## Geologists Input in the Systems

Geophysicists use their job to change the world and benefit us as a society through the four systems of the hydrosphere, geosphere, atmosphere, and biosphere. Geophysicists are a subset of geologists and are gaining knowledge from our systems and improving oil production through the use of seismic measurements. Geophysicists use their job to learn more about the systems and how they can change the world.

Geophysicists change society through the challenges and breakthroughs they conquer and come to conclusions through these breakthroughs. In oil mining and production, geophysicists are there to figure out what is the safest and most reliable way to extract the oil from the earth. In this circumstance, they use seismic measurements which help detect flaws and safety hazards based on magnetism, gravity, electricity, and vibrations ([avg.org](http://avg.org)). Geophysicists jobs affect the four systems as the geosphere is mined extract the oil, the biosphere as the oil consists of dead plants and animals that used to be living, the atmosphere as the oil affects the chemicals and gases going into the atmosphere, and the hydrosphere as moisture and water are detected underground in oil mining. In this example, geophysicists are hoping to interconnect all of the systems to come to a breakthrough in the advancement of oil mining and how they will benefit society in the future.

The systems are still affecting us today as geologists continue to learn more about them and what we can do about it. Through geophysicists work in improving oil production, more information and knowledge of Earth's systems are being found and are being used to improve the systems. Geophysicists use their job throughout society to change how we think about the systems and how they are changing the world every day.

## Works Cited

Career Cornerstone Center. Career Cornerstone Center. Web. September 24, 2014.

Association for Women Geologists. Association for Women Geologists, March 17, 2014. Web. September 24, 2014.