

## Video: Developing carbon management solutions

July 20 2017, by Rebecca Fowler

Global consumption of fossil fuels is causing atmospheric carbon dioxide and other greenhouse gases to rise to levels that threaten human and environmental sustainability. These gases warm the planet and negatively impact food production, water availability, ocean health, and coastal populations and infrastructure.

Reducing carbon emissions and developing methods to remove carbon from the atmosphere will make the energy sector, and society, more resilient to climate change.

Center for Climate and Life scientists are pioneering processes and technologies to capture carbon from the atmosphere and react it with rock from Earth's interior. The process — known as <u>carbon capture</u> and storage — permanently stashes carbon underground in the form of a solid, inert mineral.

David Goldberg and Peter Kelemen, scientists at Lamont-Doherty Earth Observatory, are at the forefront of carbon capture and storage research. In this video, they discuss their work and how it will contribute to carbon management solutions and strengthen society's resilience to climate change.

Provided by Columbia University



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