In honor of the 50th anniversary of Earth Day, we need your help to protect our environment. Join scientists from around the world to better understand our planet by exploring our collection of fun facts about their research.

Did you know scientists...

1. **Dive under Antarctic ice in search of giant sea spiders to study the phenomenon known as “polar gigantism.”**
2. **Study firenados, or clouds of fire resulting from wildfires.”**
3. **Help sheep herders in the Pamir Mountains of Afghanistan and Tajikistan adjust to warmer climate conditions, enhancing the food security of local residents.”**
4. **Restored vintage film reels from the 1970s to map the bottom of Antarctica’s ice and track how much has melted?**
5. **Study the fossil record to see how animals adapted in response to a warmer climate.”**
6. **Measure cow farts to assess the impact of livestock on carbon levels.”**
7. **Fly through hurricanes to measure the intensity of these storms.”**
8. **Observed that Fin, Antarctic Blue and Pygmy Blue Whales have changed the pitch of their whale songs, possibly due to climate change.”
9. **Discovered that certain microbes can possibly eat oil and help with the clean up from future oil spills.”**

For more information:
- [https://柯pang.org/article/63254/keeps-a-record-of-antarctic-glaciers](https://柯pang.org/article/63254/keeps-a-record-of-antarctic-glaciers)
- [https://antarcticsun.usap.gov/science/4189/](https://antarcticsun.usap.gov/science/4189/)
- [https://thrivingearthexchange.org/project/pamir-mountains-afghanistan-and-tajikistan](https://thrivingearthexchange.org/project/pamir-mountains-afghanistan-and-tajikistan)