



**CALIFORNIA STATE SCIENCE FAIR
2009 PROJECT SUMMARY**

Name(s) Preethi M. Balagani	Project Number J0701
Project Title Climate Change: Hurricanes	
Objectives/Goals My goal was to see if hurricanes will get stronger over time because of Global Warming. I believe that if Global Warming creates a hotter planet, then the hurricanes will get stronger and increase in number, because hurricanes feed on heat.	
Abstract	
Methods/Materials Data charts on increase of heat each year, due to Global Warming. Also, charts on number of Global Hurricanes each year, for comparison. In the miniature hurricane experimental model, I poured lamp oil and water in one 2-liter bottle. Connecting the filled bottle and another empty 2-liter bottle with the tornado twister cap, like an hour-glass formation.	
Results Interestingly enough, the data illustrated good correlation between a slow increase in Global Warming to increase in number and strength of hurricanes. Through tornado twister experiment, though change of water temperature (hot and cold) did not have any significant effect in the intensity, (unlike real cyclone) speed and momentum used to spin, changed each cycle's strength dramatically.	
Conclusions/Discussion From the data charts, I could conclude Global Warming has an impact on hurricanes increasing in amount and getting stronger. But, this problem is still being discussed by scientists around the world, and the correct answer is still under investigation.	
Summary Statement I believe hurricanes are increasing in amount and getting stronger because of Global Warming.	
Help Received Mother helped out on project board. Father & Friends helped in the research information for the data charts.	