

## Eloïse Marais



South African grantee Eloïse Marais received her master's degree at Rhodes University in Grahamstown, South Africa. Although she has always had an interest in exploring the effects of global climate change on Africa, universities in South Africa do not currently provide structured degree programs in the atmospheric sciences. Eloïse therefore concentrated her graduate studies on Photochemistry as a means towards degrading the impact of pesticides in the environment.

A growing concern in Africa is the impact of global climate change. Another area of interest is how potential carbon trading systems will affect Africa, considering the possibility for corporations from developed countries to consider commissioning carbon-heavy industries in countries that have low carbon footprints. Eloïse believes that with increased skills, knowledge and educational initiatives, Africa will be better prepared to face future environmental challenges.

Thanks to her International Fulbright Science and Technology Award, Eloïse is pursuing her Ph.D. at Harvard University and is affiliated with the Harvard University Atmospheric Chemistry Modeling Group. While at Harvard, she hopes to gain sufficient knowledge about the atmospheric sciences so that she may initiate structured courses in South African universities that will serve to enhance awareness about atmospheric sciences throughout Africa