

# GLOBE ONE: Partnering Students, Scientists and the Community of Black Hawk County, Iowa



## *What is GLOBE ONE?*

GLOBE ONE is a field campaign that will involve K-12 students working hands-on with scientists and their local community to perform scientific research. It will start in the spring of 2004 and run through the fall of 2005. Students and local volunteers will collect data about the world around them that will be used for research and publication. Students who participate in GLOBE ONE will be encouraged to ask science questions and develop independent research projects. GLOBE ONE scientists and partners will aid students in structuring these projects and analyzing their data.

GLOBE ONE will look at how land cover affects the local soil, atmosphere, water, and plant growth/development. In Black Hawk County, “land cover” primarily reflects agriculture, namely the year-round land cover associated with growing corn and soybeans – including soil tillage techniques and crop residue retention. However, urban areas and prairies will also be studied. Observations will include such diverse subjects as ruby-throated hummingbirds, contrails, and aerosols. By addressing a locally relevant research topic GLOBE ONE will be able to engage students in learning about the area around them and help integrate agricultural science into classrooms.

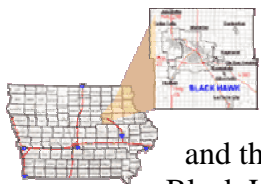


## *Who is Organizing GLOBE ONE?*



The  
GLOBE  
Program

GLOBE ONE is being organized by the GLOBE Program and GLOBE Iowa. The GLOBE Program ([www.globe.gov](http://www.globe.gov)) involves K-12 students in over 100 countries in meaningful science. Since the program's inception in 1995, over 10,000,000 GLOBE measurements have been reported by students and citizens, and are all publicly-available and used for student research projects and scientific research. GLOBE Iowa (<http://www.uni.edu/~iowawet/globe/globe.html>) is run through the Iowa Academy of Sciences and the University of Northern Iowa and has been working with schools in Black Hawk County to help improve science education since 1999.



## *What does GLOBE ONE bring to Black Hawk County?*

Black Hawk County was chosen as the site for the first intensive GLOBE field campaign because of the outstanding performance of the local GLOBE schools and the GLOBE Iowa Partnership. As a result, GLOBE will be focusing resources on Black Hawk schools, teachers and students, including scientific equipment and direct access to top research scientists.

## *How Can You Participate in this Exciting Project?*

Any student or adult in Black Hawk County and the surrounding areas is welcome to participate! Schools and volunteer data collectors can get free training and access to equipment. Scientists are invited to use GLOBE ONE data, help work with schools, and participate in the scientific investigation. For more information visit the GLOBE ONE Web site at [www.globe.gov/globeone](http://www.globe.gov/globeone) or e-mail Marcy Seavey of the Iowa Academy of Sciences at [iowawet@sunny.uni.edu](mailto:iowawet@sunny.uni.edu).

