FINAL REPORT
94ER75989

This is the final report for the Interagency agreement between the Department of Energy and NASA, 94ER75989.

Our goal to enhance the classroom instruction in the earth and environmental science programs in the secondary schools of the state of Maryland. The participation of 72 teachers of secondary school students were collaborative partners with the 24 local Maryland School System, the Maryland State Department of Education, the University of Maryland, and the Goddard Space Flight Center.

The program enabled these teachers the opportunity to attend a four-week program to enhance the teaching of the earth and environmental sciences in the secondary schools of Maryland. Participants learned how earth systems are studied both from the ground station earth monitoring project and continued it during the school year with their students.

Each teacher served as an ambassador for earth science teaching enhancement in their respective school and school system.

DOE Patent Clearance Granted

MP Dvorscak 11-19-01

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The participant teachers accomplished the following:

Understand how earth systems are studied from space and how data gathered in this manner could be used to enhance earth and environmental science teaching. They learned how to gather and use ground station environmental data and how to access and use satellite data.

Identify how to use computers and computer networks to enhance earth and environmental science teaching. Specifically they learned how to use electronic mail, Internet, CD ROM programs, liquid crystal displays, and laser disk players.

Understand how to access and use available NASA resources to enhance earth and environmental science teaching. They identified appropriate resources in the GSFC Teacher Resource Laboratory and learned to use the facility to prepare teaching materials.

Implement knowledge and skills acquired through the Ambassador Program to enhance earth science teaching. They implemented with their students the earth monitoring project designed at the institute and shared the data with other participants as part of a total state earth monitoring project.

They shared materials and strategies with other teachers through electronic means, seminars, and workshops. Each teacher will serve as a resource in their school and as an ambassador to teachers in other schools.

The program manager responsible for this agreement is no longer in the office. Please accept this as our final report and cost breakdown based on interagency agreement.

Thanks!

Loretta Smith 11/5/01