GLOBE Evaluation

- An evaluation process, using quantitative and qualitative techniques, has been designed. Implementation began in the Spring of 1996.

- The evaluation uses records of data submissions, and network interactions. Teachers, students, and scientists were surveyed and observations and interviews were conducted at selected sites.

GLOBE Evaluation

- Formative evaluation, to understand how to fine tune and enhance the program, and summative evaluation, to understand the impact, provide valuable information on the processes involved in GLOBE and provide the GLOBE staff with information needed in the planning and design of training activities, materials development and systems design.

GLOBE Evaluation Teacher Survey

- Random sample of 400 from GLOBE-trained teachers.
- Sample of 250 U.S. teachers whose students reported data on a regular basis January-March 1996.
- Sample of 28 international teachers whose schools met the reporting criterion.
- World Wide Web and print survey options.
- Survey period from April 8-May 31, 1996.

GLOBE Evaluation Teacher Response Rates

Sample	Number Responses	Response Rate	% WWW Response
Trained Teachers (n = 400)	308	77	35
Reporting Teachers (n=250)	227	91	58

GLOBE Evaluation Student Surveys

Sample	Number Responses	Response Rate	% WWW Response
4th Grade	711	12	88
7th/10th Grade	357	14	86

Teacher Perceptions of Student Level of Interest in GLOBE by Percent

Aspect of GLOBE	Very Interested	Somewhat Interested	Not at All Interested
GLOBE activities in general	79	21	0
Using computers to work with GLOBE data	88	12	0
Taking GLOBE measurements	82	18	0
Working with other students	57	38	5
Communicating with classrooms in other schools	51	38	12
Finding out about GLOBE scientists and their work	26	57	17

Teacher Perceptions of Student Level of Interest in GLOBE by Percent

Skill Area	Very Much	Somewhat	Not Very Much	Not at All
Observational Skills	72	28	1	0
Measurement Skills	70	29	1	0
Technology Skills	68	28	4	1
Ability to understand data	51	41	7	1
Ability to work in small groups	50	42	7	1
Critical thinking skills	38	49	10	3
Map skills	35	38	18	9
English language skills	15	43	27	15

The GLOBE Program®

Activities Students "Like a Lot"

Activity	% of 4th Graders	% of 7th/10th Graders
Putting data on the computer	78	50
Taking measurements	70	48
Looking at satellite images	56	36
Talking about Earth/ weather/water	54	29
Looking at data collected by students in other places	37	20

Settings in Which GLOBE is Being Implemented

Setting	% Reporting
Regular class	81
Lunch/after school group	32
Pull-out program	25
Other	20