

# Instructor's Individualized Reports (IIR) from the DLESE Community Review System (CRS)

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## RATIONALE

CRS Individualized Instructor's Reports allow *Science Education* instructors to:

- Develop and assess students' ability to evaluate online Science Education resources
- Develop metacognitive awareness and ability to monitor their own learning process

CRS Individualized Instructor's Reports allow *Earth and Environmental Science* educators to:

- Find out which DLESE resources their students thought were valuable for learning
- Compare their views of a resource with those of their students

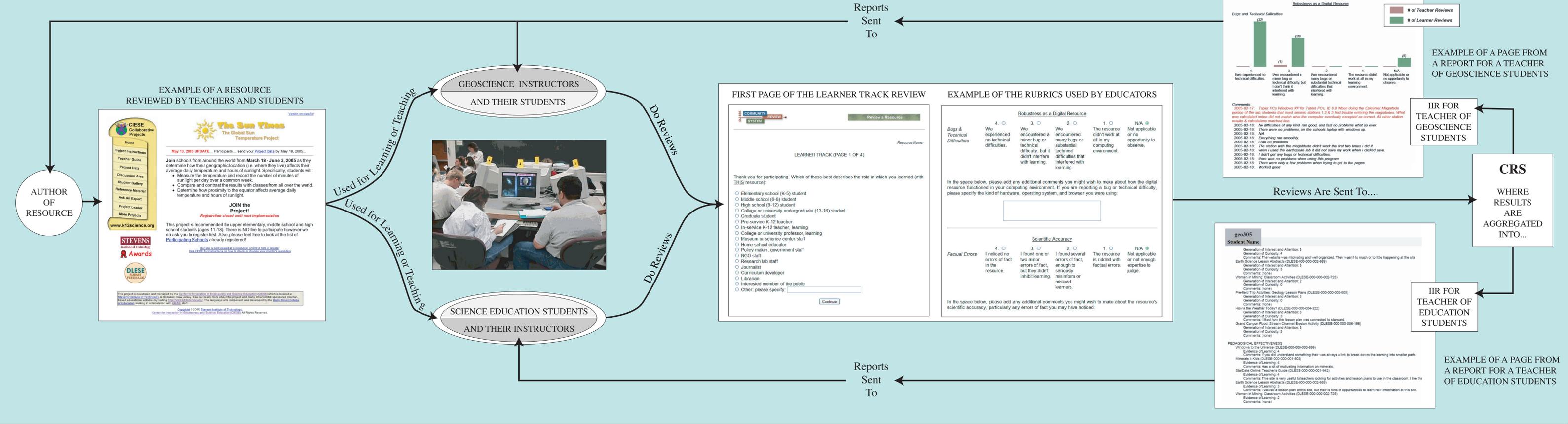
Students learning through their use of DLESE resources:

- Develop metacognitive awareness and ability to monitor their own learning process
- Feel pride in making contributions to the educational enterprise

In the broader DLESE Community:

- The community as a whole receives additional insights about the resource via the publicly posted portion of the reviews
- Resources receiving a substantial number of reviews move more rapidly along the pathway to the DLESE Reviewed Collection
- Resource creators get concentrated doses of feedback on resource effectiveness

## PROCESS



## OUTCOMES

### Teacher Comments

(From evaluative telephone interviews with secondary school teachers)

Unsolicited comment:

"...got the kids to think about how they're learning...a great aspect of having the kids do reviews."

When asked about the value of the reports:

"A privilege to get such thorough and comprehensive reports..."

"It was interesting to see what my students said about what we did."

### Student Comments

(Selected statements written during online reviews by secondary level students)

"It was fun and I understand things easier when I'm having fun"

"This was a lot more useful and entertaining than normal classwork, even though I still dislike learning about surface waves and such."

"I liked how I had to click on all the time periods or pictures in order to continue on. This makes you have to read the information. This is good for kids who don't like to read from the textbook."

(Selected statements written during online reviews by college students in a Science Education class.)

"This resource is an excellent exploratory tool. It doesn't have a lot of base information but it is an excellent motivational tool for middle school students. It has excellent pictures for students to see what they have been reading about."

"The only suggestion I would have is to give descriptions of each of the lessons on the main page so the user does not have to click on each lesson to find out what it is about."

"I liked that this source has lesson plans available and it also had worksheets/charts that I could print off and use."

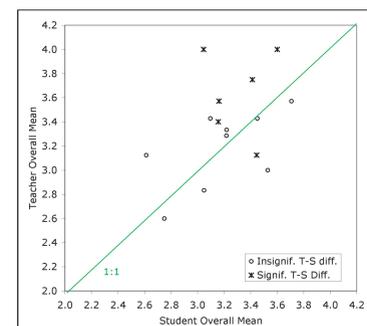
(Selected statements written during online reviews by college students in a Geoscience class)

"Seeing the water level rise made the contour lines much more understandable."

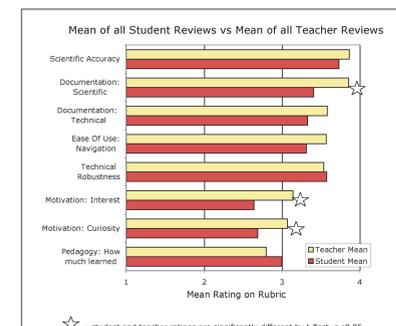
"It was interesting to read this at a time when Mt. St. Helens was becoming active again and I was following the events there."

## Do students and teachers agree on the effectiveness of DLESE resources?

For each resource/class combination, we averaged across all students and all rubrics to calculate a student overall mean rating, and we averaged across all rubrics to calculate a teacher overall mean rating. On this integrative measure, the teachers tended to think that the resources worked better than the students did (although caution is required because the teacher and student rubrics are worded slightly differently.) The starred data points in the chart below show resource-class combinations where the teacher and student ratings differed significantly ( $P < .05$  on a two-tailed t-Test.)



For each of the rubrics that appears on both teacher and learner surveys, we averaged across all the students who filled out that rubric and all the teachers who filled out that rubric. The bar chart below compares the mean teacher and student ratings for each rubric. The most dramatic difference is on the two "Motivational or inspirational for learners" rubrics; the teachers ranked the resources much higher on these rubrics than did the learners.



## You may view an online sample of an Instructor's Individualized Report at:

<http://www.dlese.org/documents/PDFs/crs-ir-cgsp05-private.pdf>

Would you like to:

- Receive feedback that would help you decide which DLESE resources work best with your students?
- Receive an Instructor's Report that aggregates your students' reviews of a DLESE resource they have used?
- Be able to compare your assessment of a DLESE resource with your students' assessments?

If so, complete the form below.