

Sea to Shining Sea (StSS) Live Interactive Virtual Explorations (LIVE)

SOUTHERN CALIFORNIA RESEARCH LEARNING CENTER

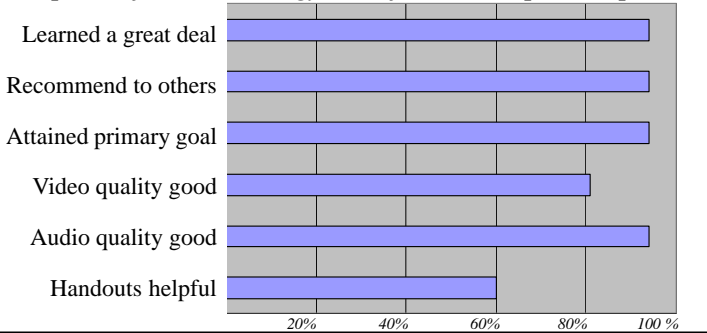
StSS LIVE Technology Transfer

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Introduction

The Sea to Shining Sea (StSS) project builds upon lessons learned from the National Science Foundation funded High Performance Wireless Research and Education Network (HPWREN) Live Interactive Virtual Explorations (LIVE) pilot project. The StSS project expands concepts from southern California-based work to several National Parks by working closely with HPWREN researchers on perfecting the development and implementation of an inexpensive, easy-to-use LIVE backpack system for broadcasts between National Parks and an array of education sites.

Responses from Technology Transfer Workshop Participants



Results and Discussion

Among survey respondents, 94 percent agreed that they learned a great deal from the workshop, would recommend future workshops to others, and attained their primary goal in attending the workshop. Eighty one percent agreed that the video quality was good while 94 percent agreed that the audio quality was good. Similarly, 94 percent of survey respondents agreed that there were sufficient hands-on opportunities. Only 60 percent agreed that the workshop handouts were helpful. To rectify the need for handouts, the project team put together applicable workshop print materials and uploaded them to a web server; the website information was then emailed to workshop participants, who responded that the print materials were useful. The team determined that the Cabrillo training session was an overall success; the evaluations assisted the authors with a better understanding of workshop participant needs and assisted with the development of an additional technology transfer workshop that took place several months later.

Sources

- Teel, S., Bruch, K., Curry, R. 2009. From the Stars to Underwater Depths and Sea to Shining Sea: LIVE Distance Education Programs. George Wright Society Conference Proceedings. Portland, OR.
- Bruch, K., Teel, S., Braun, H-W. 2009. An Examination of Live Interactive Virtual Explorations at the Cabrillo National Monument in Southern California. George Wright Society Conference Proceedings. Portland, OR.
- Teel, S., Washburn, J. Bruch, K. Bryant, P., Trimboli, S. Curry, R. 2009. Underwater wonders, mysteries below the earth's surface, and Sea to Shining Sea, LIVE. National Association for Interpreters Conference Proceedings. Hartford, CT.
- Bruch, K. M., Braun, H-W., Teel, S. 2010. Live Interactive Virtual Explorations via the High Performance Wireless Research and Education Network. In S. Mukerji (Ed.), Cases on Technological Adaptability and Transnational Learning: Issues and Challenges. Pennsylvania: IGI Global.

Project Contact

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EVALUATION SUMMARY



Formal StSS LIVE training sessions allow National Park Service staff to better understand how to utilize the high-tech backpack system.

Photo Credit:
Garry Forger

Evaluation Methods

Twenty StSS LIVE events took place in 2008-2009; the activities encompassed broadcasts between several National Parks and education sites such as rural schools, Native American reservations, museums, and professional conferences. Additionally, four formal training sessions for National Park Service staff, scientists, and educators were conducted in 2008-2009. One such session took place at the Cabrillo National Monument Technology Transfer Workshop in November 2008. The training session evaluation included informal Likert-scale questions while survey respondents consisted of 17 National Park Service employees ranging from interpretive park rangers to research scientists.

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<http://seatoshiningsea.org>
<http://hpwren.ucsd.edu/LIVE>
<http://researchlearningcenter.org>