

**RISK**eLearning

# Nanotechnology

## Summary Report

June 2008



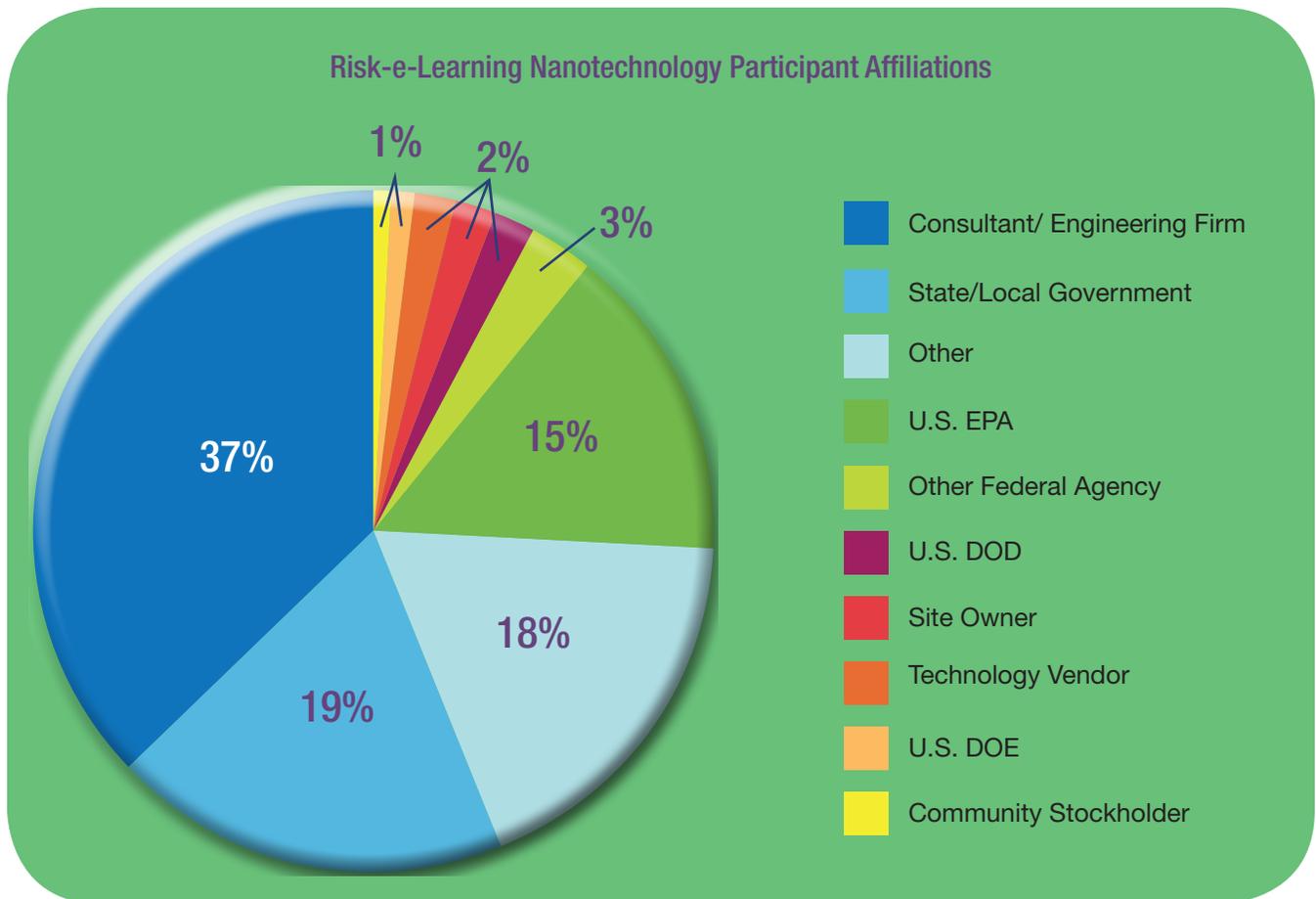
**NIEHS**  
National Institute of  
Environmental Health Sciences



## Executive Summary

SBRP sponsors an interactive web-based lecture series “Risk-e-Learning” as part of an ongoing collaboration with the U.S. Environmental Protection Agency (EPA). In 2007, the Risk-e-Learning series was “**Nanotechnology: Applications and Implications for Superfund**”. This series highlights the potential of nanotechnology to support characterization and remediation of hazardous waste sites, as well as explores the potential risks of this new class of compounds. The live, two-hour monthly events are hosted on EPA’s Hazardous Waste Clean-Up Information ([www.clu-in.org](http://www.clu-in.org)) web site. The CLU-IN audience targets EPA risk assessors and regional project managers, state and local regulatory agencies, environmental consulting firms, and academia. Registration for each of these seminars averaged over 200 people/seminar including participants from all over the U.S. and the world. All seminars are recorded and available for download and review on the CLU-IN web site and are also accessible from the SBRP ([http://tools.niehs.nih.gov/sbrp/risk\\_elearning/](http://tools.niehs.nih.gov/sbrp/risk_elearning/)) web site.

The nine nanotechnology seminars were attended by over 2000 participants from 50 states/territories and 18 countries by a range of different stakeholders. The pie chart below shows participant affiliations for the seminar participants. For the complete breakdown of participation by organization type for each session please refer to the appendix.



The following table shows the summary statistics for the number of participants, and the number of countries and states represented.

	1/18/2007	13-Feb-07	15-Mar-07	19-Apr-07	31-May-07	16-Aug-07	12-Sep-07	18-Oct-07	8-Nov-07	Total	Average
<b>No. of participants</b>	370	230	278	298	178	227	205	278	140	2204	245
<b>No. of states represented</b>	46	39	38	38	38	37	44	38	39	50	NA
<b>Countries represented</b>	14	5	7	8	8	5	7	7	6	28	NA

The seminar participants were well distributed across the United States with every state (including the Virgin Islands and the District of Columbia) except Wyoming being represented. California participants made up about 8% of the participants, while the District of Columbia, Massachusetts New Jersey, Ohio, and Texas each made up over 5% of the participants. New York was just under 5%. See the appendix for a complete list of participation by state.

A large majority of participants were in the U.S. (92%) and Canada (4%), however participants attended from 26 other countries. In addition to the U.S. and Canada, participants attended from Argentina, Australia, Belgium, Brazil, Chile, China, Colombia, Denmark, Germany, Greece, Hungary, India, Italy, Japan, Malaysia, Mexico, Netherlands, Nicaragua, Portugal, Romania, South Korea, Switzerland, Tajikistan, the United Kingdom, Uzbekistan, and Vietnam.

After each session participants were given the opportunity to comment on the quality of the audio visual components as well as the subject matter and presentation delivery.

The nanotechnology seminar series was organized by:

NIEHS: Heather Henry, Bill Suk, Claudia Thompson, Beth Anderson, Kathy Ahlmark

EPA: Nora Savage, Marti Otto, Mitch Lasat, Mike Gill, Jayne Michaud, Warren Layne, Marian Olsen, Charles Maurice, Barbara Walton, Randy Wentsel

MDB, Inc.: Maureen Avakian, Larry Reed, Larry Whitson

The following sections give more detailed information about each session, including the presenters and moderators, a presentation overview, and the number of participants.

