



# National Nanotechnology Initiative Conference Human and Environmental Exposure Assessment of Nanomaterials

Consumer Products Safety Commission  
Bethesda, Maryland, USA  
February 24-25, 2009

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*National Science and Technology Council*



# Welcome and Thanks!

- Welcome to All - thanks for coming, sharing your expertise, contributing your time and effort to the conference and --- to drafting the report
- Many thanks to:

Sponsors: NSET Subcommittee, NIOSH

Host: CPSC

Chair of Organizing Committee - *Vladimir Murashov*

Organizing Committee - *Charles Geraci, Michele Conlon, Treye Thomas, Paul Wambach, Aleks Stefaniak, Paul Schulte*

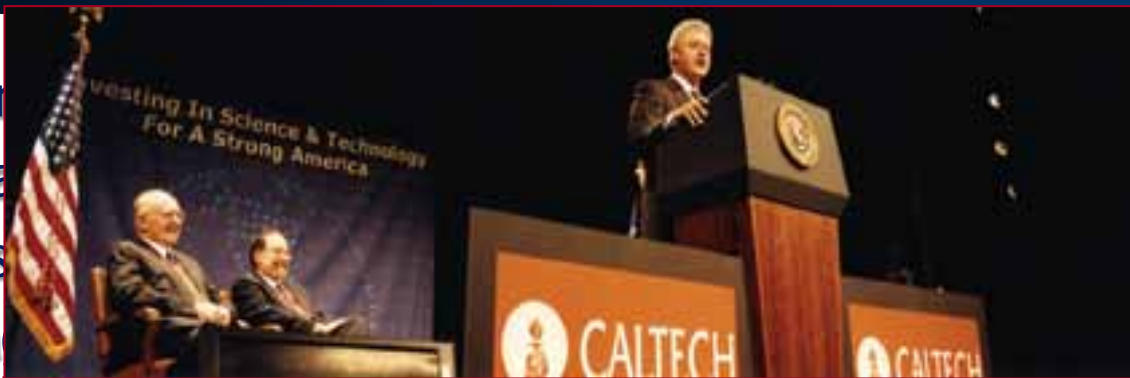
Members of the NEHI Working Group

Rapporteurs - *Jane Dennison, Meghan Radtke, Joe Cresko, Gina Schatteman, Jessica Eisner, Jose Zambrana, Katya Delak*



# What is the National Nanotechnology Initiative?

- The NNI is an interagency effort that coordinates Federal nanotechnology research and development activities across various participating agencies
- The NNI began in 2001 and was later codified and further developed by the Nanotechnology Research and Development Act (Dec. 2003)
- Estimated federal NNI expenditures were \$5.5 billion in FY 2008
- Cumulative NNI expenditures since the 2009 request, is about \$10 billion

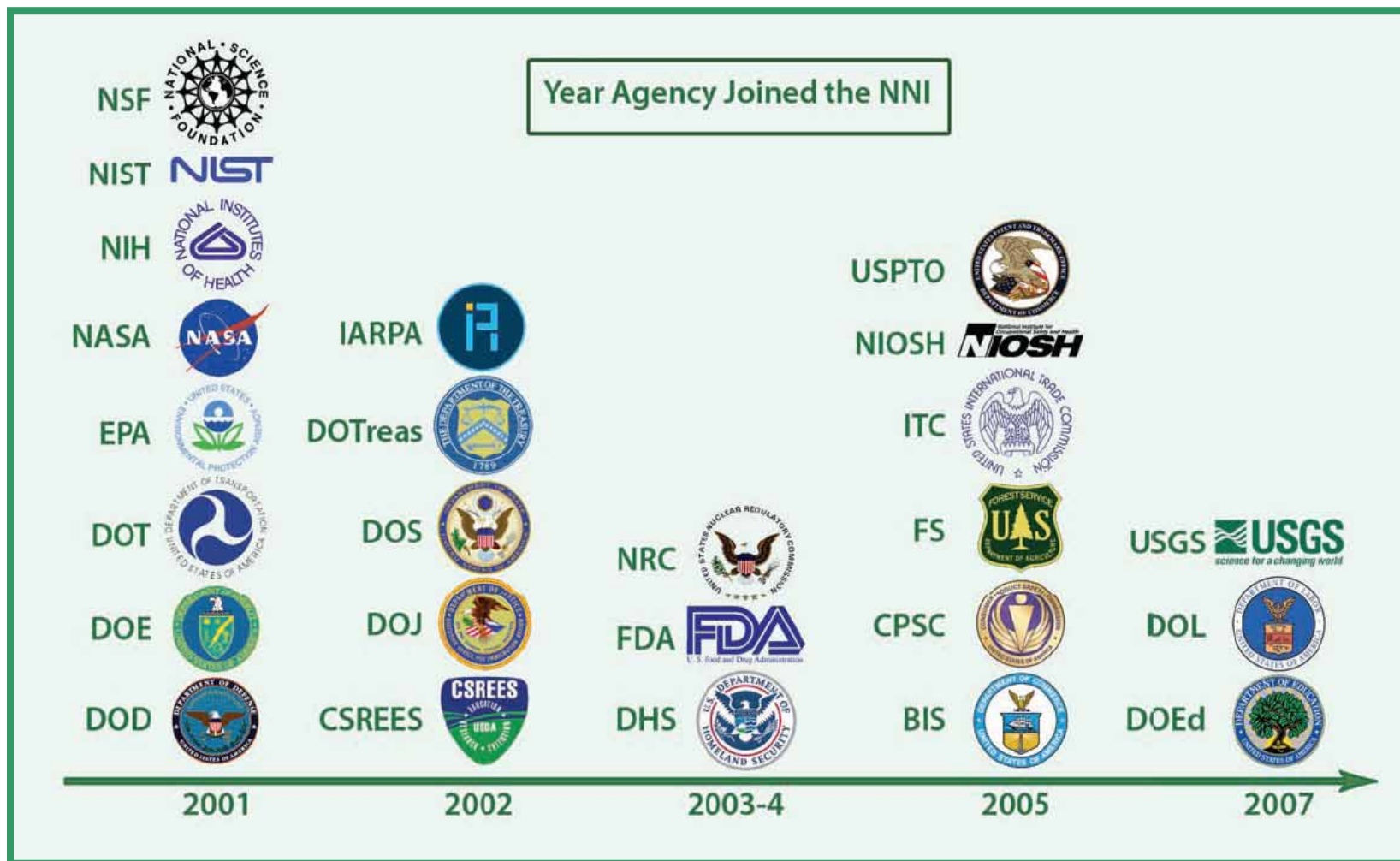


My budget says  
nanotechnology  
is no stranger  
to manipulating



# NSET Subcommittee Member Agencies Participating in the NNI

§ Six agencies developed original 2001 NNI proposal  
 § Now have 25 NSET Subcommittee member agencies





# NNI Vision

*A future in which the ability to understand and control matter on the nanoscale leads to a revolution in technology and industry that benefits society*

*Expedite discovery, development, and deployment of nanotechnology*

- ✓ *To serve the public good*
- ✓ *For economic benefit*
- ✓ *National & homeland security*



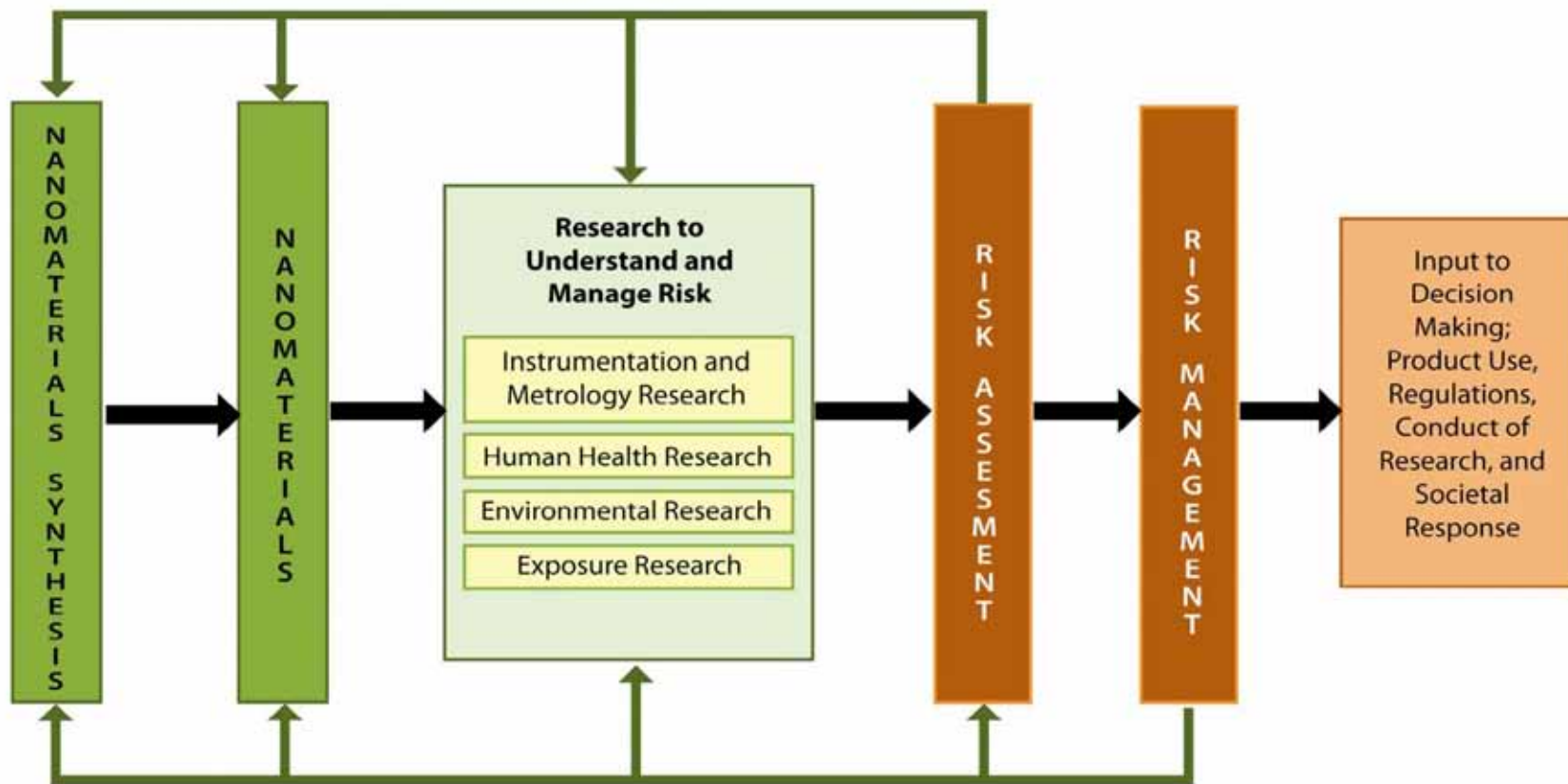
# NNI Goals

- *Advance a world class R&D program*
- *Foster transfer of new technologies*
- *Develop & sustain educational resources, a skilled workforce, and the supporting infrastructure and tools to advance nanotechnology*
- *Support responsible development of nanotechnology*



# The National Nanotechnology Initiative: EHS Strategy

Role of nanotechnology-related EHS research in risk management of nanomaterials\*



\* from Strategy for Nanotechnology-Related Environmental, Health, and Safety Research (February 2008):  
[http://www.nano.gov/NNI\\_EHS\\_research\\_needs.pdf](http://www.nano.gov/NNI_EHS_research_needs.pdf)