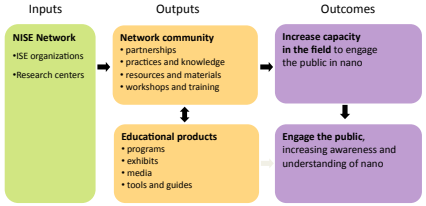
Nanoscale Informal Science Education Network (NISE Net) (0940143)

Pis: Larry Bell, Museum of Science, Boston; Paul Martin, Science Museum of Minnesota; Rob Semper, Exploratorium

NISE Network: Strategy



Raise the capacity of informal education and research centers to engage the public in learning about nanoscale science, engineering, and technology

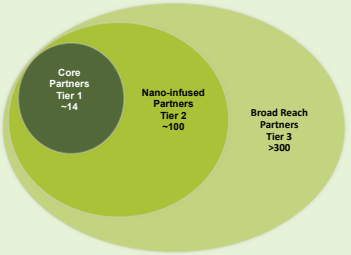
Build Capacity

Raising the capacity of Tier 1 institutions to lead the field in raising public awareness, understanding, and engagement with nanoscale science, technology, and engineering.

Working to "infuse" nano content into Tier 2 institutions as an ongoing, sustainable part of their educational programming, beyond NanoDays.

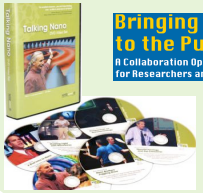
Working to "introduce" nano informal education into Tier 3 organizations for at least a limited activity like participation in NanoDays or some other type of nano educational outreach.

Network-wide meeting builds the capacity of the Network to help partners achieve goals



Ahmed Busnaina at NanoDays in Boston

Reaching out broadly at meetings of scientists and informal educators

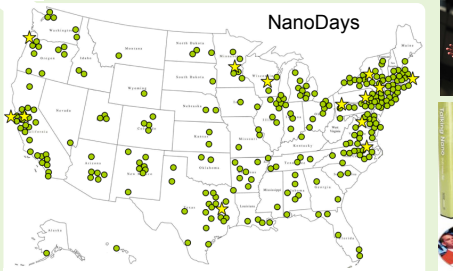


Tools and guides for building partnerships and capacity

Engage the Public

Content Developed around Four Big Ideas

- Nanometer-sized things are very **small**, and often behave **differently** from the way larger things do.
- Scientists and engineers have formed the interdisciplinary field of nanoscale science and engineering by **investigating properties** and **manipulating matter** at the nanoscale.
- Nanoscale science, engineering, and technology lead to **new knowledge and innovations** that weren't possible before.
- Nanotechnologies have **costs, risks, and benefits** that affect our lives in ways we cannot always predict.

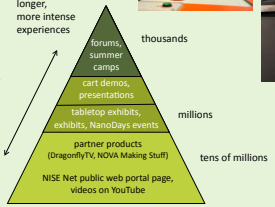


Nanodays introduces organizations to engaging the public in learning about nano in all 50 states, DC, and Puerto Rico. Mar 26-Apr 3, 2011

Formative evaluation guides the development of exhibits, programs, and media

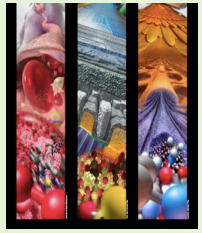
Inclusive Audiences group fosters universal design, spanish language translations and other resources

Working though three partner tiers, NISE Net reaches audiences in different ways

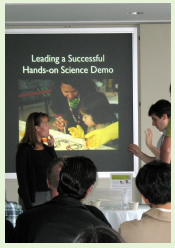


dragonflytv

NOVA MAKING STUFF



Seven regional hubs provide networking, professional development opportunities, and access to resources across the U.S.

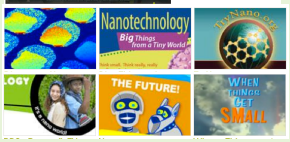


Science communication workshops for young scientists

Professional development for research center science students, scientists, and educators

www.whatisnano.org is a public page with links

What is nano?



www.nisenet.org houses the online catalog of educational materials, directories, blogs, and other network tools