Welcome
NISE Network Partners !

NISE network
NANOSCALE INFORMAL SCIENCE EDUCATION

www.nisenet.org

Presentation Overview

- NISE Network brief overview
- Network Community
- Public Engagement Products
- Professional Development Tools
- Upcoming Opportunities

NISE Network

Nanoscale Informal Science Education Network

The NISE Network is a national community of researchers and informal science educators dedicated to fostering public awareness, engagement, and understanding of nanoscale science, engineering, and technology.
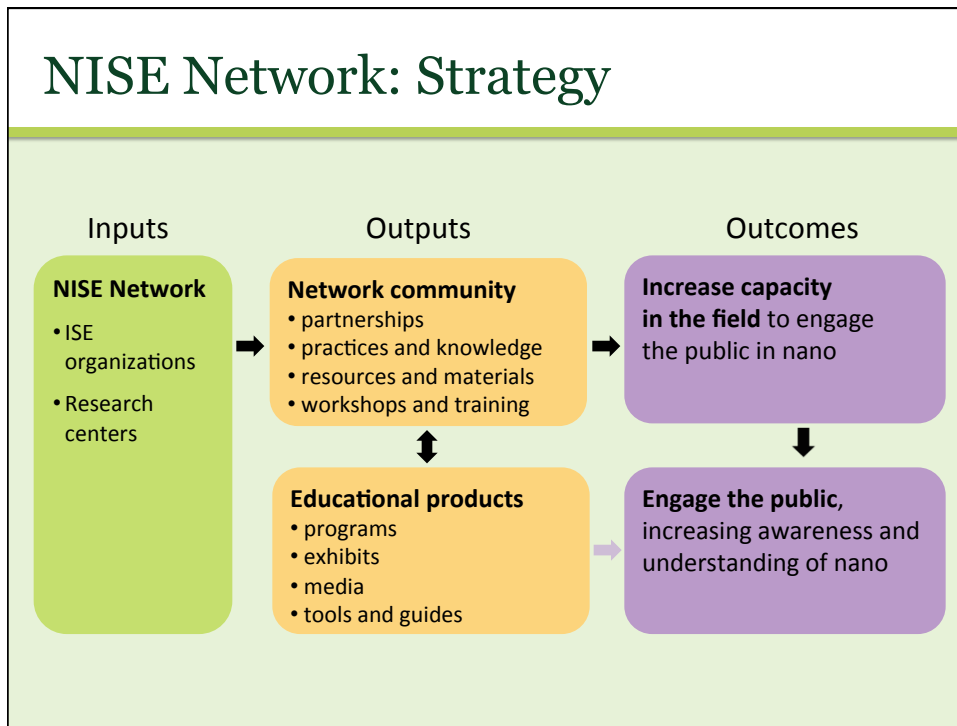
Year 6-10 Focus

Years 1-5: (2005-2010)

- Building the network

Years 6-10: (2010-2015)

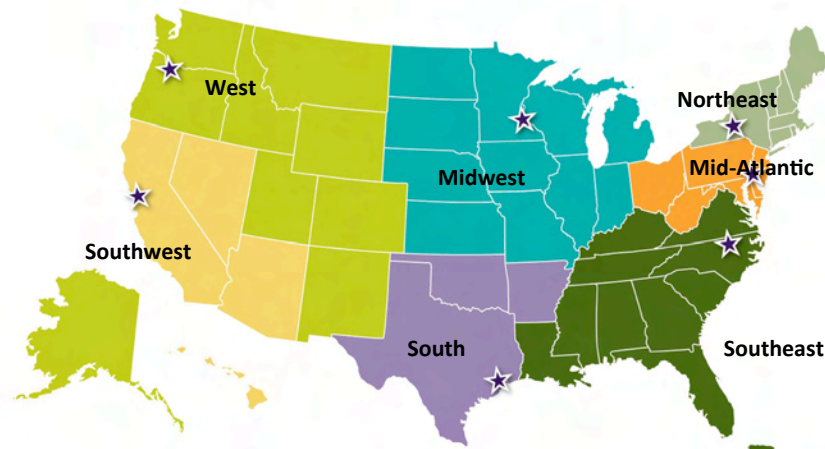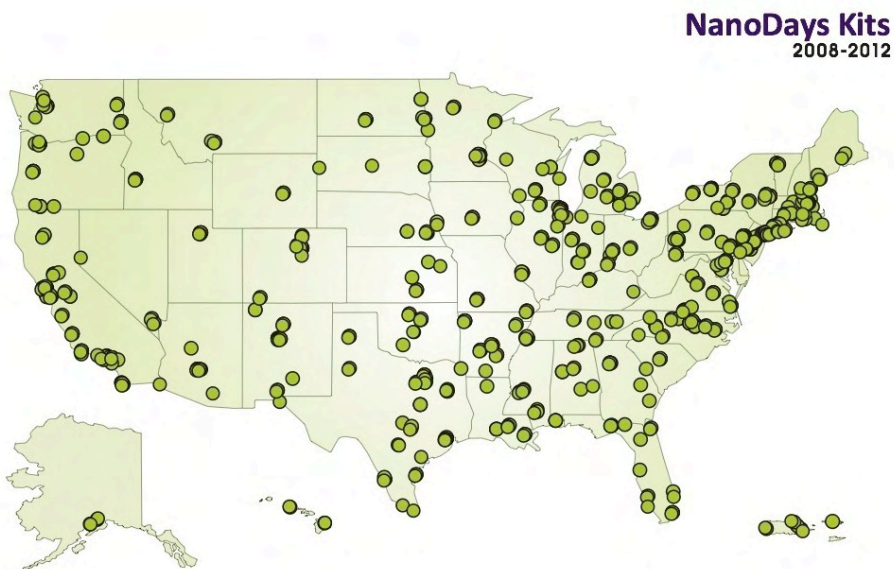- Engaging the public through the network

NISE Network: Strategy

Inputs	Outputs	Outcomes

NISE Network

- ISE organizations
- Research centers

Network community
- partnerships
- practices and knowledge
- resources and materials
- workshops and training

Educational products
- programs
- exhibits
- media
- tools and guides

Increase capacity in the field to engage the public in nano

Engage the public, increasing awareness and understanding of nano

Network Community

NISE Net Regional Hub Structure

NanoDays Participants

NanoDays Volunteers

Public Engagement Products

- Nano Mini-Exhibition
- Public website and DIY App
- Catalog – recent products

Dissemination: Mini-Exhibition

Dissemination: Mini-Exhibition Map

Batch 1: green
Batch 2: blue

70 locations in 2 batches with some sharing

Website for the Public

- Links to videos, podcasts, online games, and more

- Bilingual English and Spanish

- DIY activities

DIY Nano App

- Features activities in recipe-style format for at-home activities plus links to videos and whatisnano.org
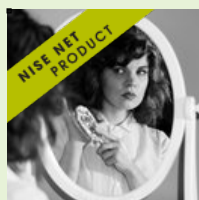- Over 29,000 downloads
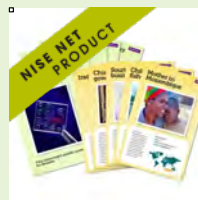
Educational Products in Catalog

**Exploring Nano & Society –
Invisibility Cloak**

Nano Around the World
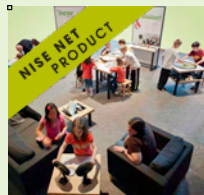card game

Wonders and Worries –
more video in series

**Exploring Nano & Society –
You Decide!**

More info: nisenet.org/catalog

Educational Products in Catalog

Nano mini-exhibition more marketing materials, school field trip activity

Scientist Speed Dating event for adults

Big Fish, Little Fish activity for young children

Tiny Tech Radio Series audio podcasts

More info: nisenet.org/catalog

Professional Development Tools

- Training
- Museum-Scientist Collaborations
- Reaching Diverse Audiences
- Nano and Society
- Team Based Inquiry
- Conference and Upcoming workshops

Training Tools

Nano is different:
properties like color can change

Gold

**Nano 101 for staff
(2012 version)**

**NanoDays training
materials**
for staff and
volunteers

More info: nisenet.org/catalog   > Tools & Guides

Scientist - Museum Collaboration Tools

**National
Chemistry
Week
2012**

National
Chemistry
Week

Why seek research
center partners?

**RISE Partner Guide:
Small Steps; Big
Impact**
for museums,
how to start a
collaboration with
researchers

SHARING SCIENCE:
Communication, Education and Outreach
WORKSHOP & PRACTICUM

**Sharing Science
Graduate
Workshop and
Practicum** for
graduate students

RESEARCH EXPERIENCE FOR UNDERGRADUATES
**Science Communication
Workshop**

**REU (Research
Experiences for
Undergraduates)
science
communication
workshops**

More info: nisenet.org/RISE

Inclusive Audiences Tools

Bilingual Design Guide

Universal Design Guidelines for programs

Translation Process Guide

Universal Design Guidelines for exhibits

More info: nisenet.org/inclusive_audiences

Nano and Society Tools

Nano and Society Training Materials for staff and volunteers

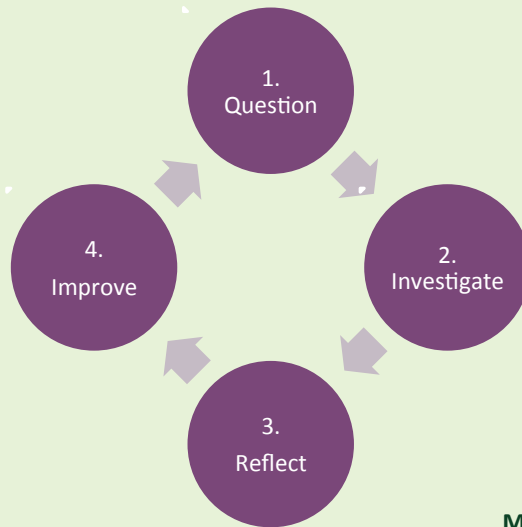**Visitor Conversations goals and tips**

Improv Exercises for staff and volunteers

More info: nisenet.org/inclusive_audiences

Team Based Inquiry Tools

1. Question

2. Investigate

3. Reflect

4. Improve

Team Based Inquiry is an approach to formative evaluation.

We will be sharing tools and offering professional development opportunities in the future.

More info: nisenet.org/evaluation

Professional Development Opportunities

- **Association of Children's Museums (ACM)**
  May 2013 in Pittsburgh
  sessions & pre-conference

- **Materials Research Society (MRS)**
  November in Boston & April in San Francisco

- **More opportunities**
  - Online Brown Bag Conversations in 2013
  - Bilingual Workshop - Spring 2013
  - Universal Design Workshop - Spring 2013
  - Regional Meetings - Fall 2013

Event details: nisenet.org/community/events

Upcoming Opportunities

- NanoDays
- Mini-Grants
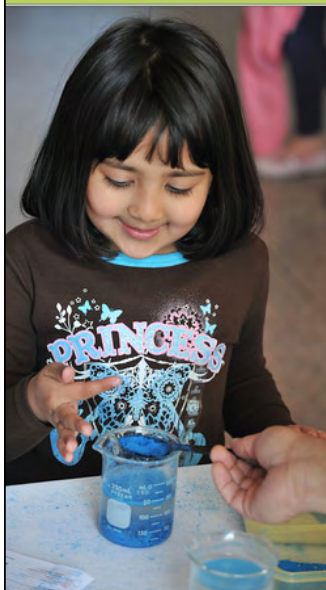- Annual Partner Survey
- and more!

NanoDays 2013

**Host a NanoDays Event:
March 30 – April 7, 2013**

- New Hands-on Activities

- Physical kit application deadline: **December 1, 2012**

- Digital kit materials available online: January 15th:

- Continue to use your NanoDays materials throughout the year!

More info: nisenet.org/nanodays
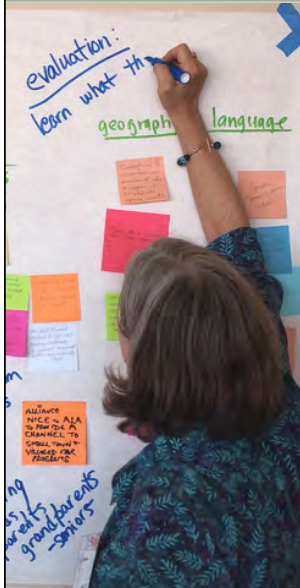
Mini-Grants 2013

- Awards:
  - ○ 27 mini-grants awarded in 2011
  - ○ 40 mini-grants awarded in 2012
  - ○ plan to award 40 for 2013

- Application deadline: **November 4, 2012**

- $3,000 maximum

- Eligible activities:
  - ○ New efforts to integrate nano into existing programming
  - ○ New efforts to reach new audiences
  - ○ New partnerships and collaborations

  More info: nisenet.org/community/mini-grants

Dissemination: Mini-Grant Awards Map

Year 6 mini-grant awards: green
Year 7 mini-grant awards: blue

Evaluation and Research

Evaluation measures professional learning and practice, public learning, and Network growth.
- Professional Impacts
- Public impacts
- Annual Partner Survey

Research studies provide the field with new knowledge and understanding
- Museum – Scientist Partnerships
- Organizational Change
- Evidence-based decision making

- Find out what we've learned so far by visiting nisenet.org

More info: nisenet.org/evaluation
More info: nisenet.org/research

Help Us Learn – Annual Partner Survey

Help us to advance NISE Net and the field by participating in the Annual Partner Survey

Stay in Touch

**Website
networking tools**

NISE network™

- Update your profile on the website
  nisenet.org/faq

- Sign up for the monthly
  NanoBite newsletter
  nisenet.org/community/nanobite

facebook

Linked in

twitter

- Join our social networking sites
  nisenet.org/community

THANK YOU!
To all our partners - we could not do this work without you!

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Any opinions, findings, and conclusions or recommendations expressed in this presentation are those of the author(s) and do not necessarily reflect the views of the Foundation.

Questions and Discussion?
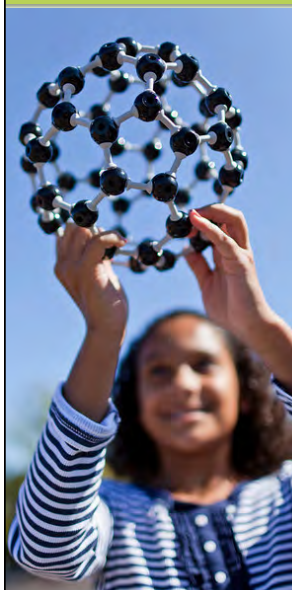
Please make sure you've signed up on the sign-in sheet

Sustainability – After Year 10

How will we build on what has been created through the NISE Network?

Sustainability – After Year 10

What remains after the funding ends?

- Field-wide capacity to engage the public in nano
- Relationships, including collaborations between scientists and museums
- Ongoing use of NanoDays and program materials
- Mini-exhibition copies on museum floors
- Website - online catalog
- Evaluation and research knowledge
- Network lessons shared with field