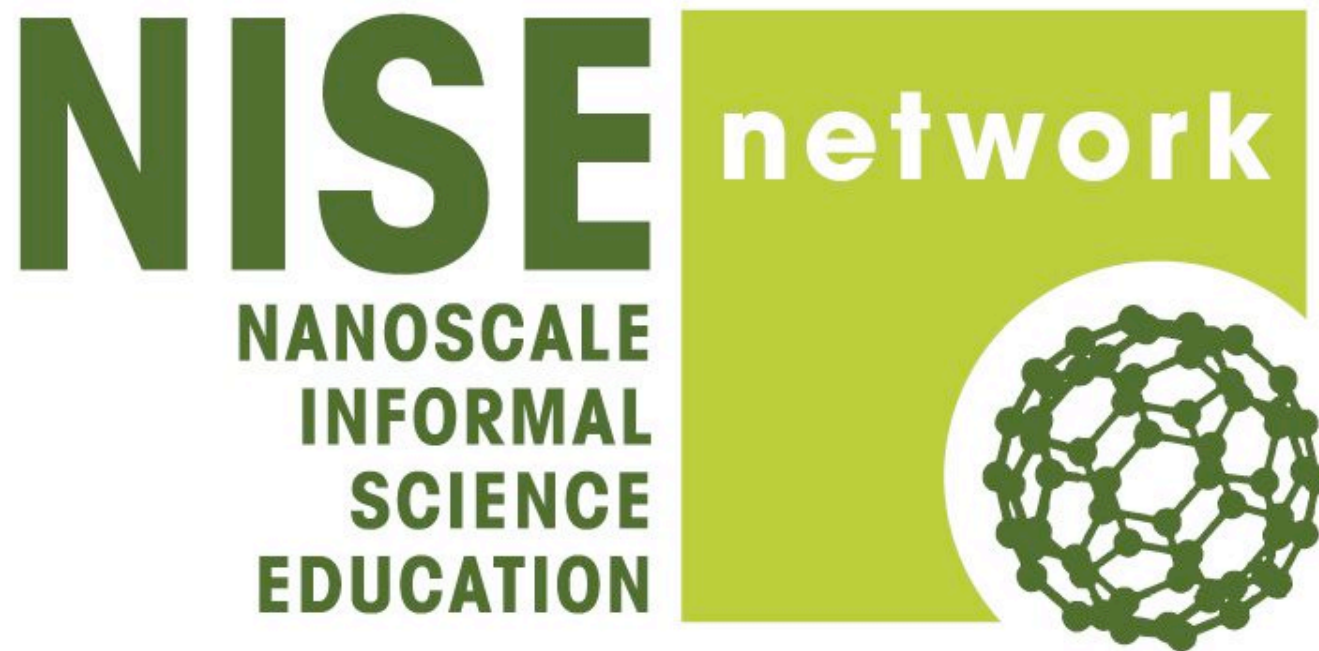


# Fostering Regional Education Outreach and Public Engagement

- David Ucko, NSF
- Larry Bell, NISE Net, Museum of Science
- Carol Lynn Alpert, NISE Net, Museum of Science



2007 NSF NSE Grantees Conference

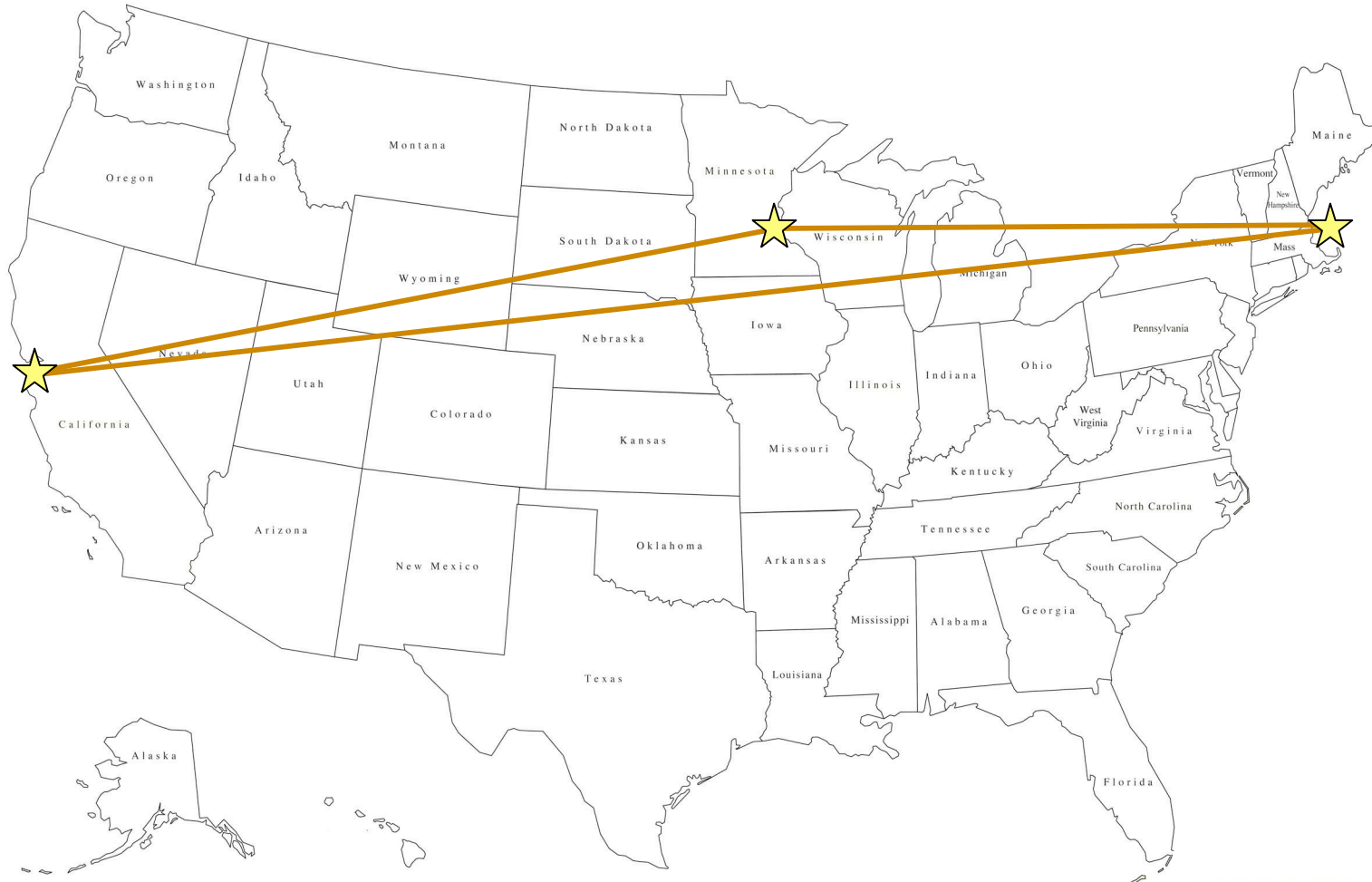


Larry Bell, Museum of Science, Boston  
2007 NSF NSE Grantees Conference

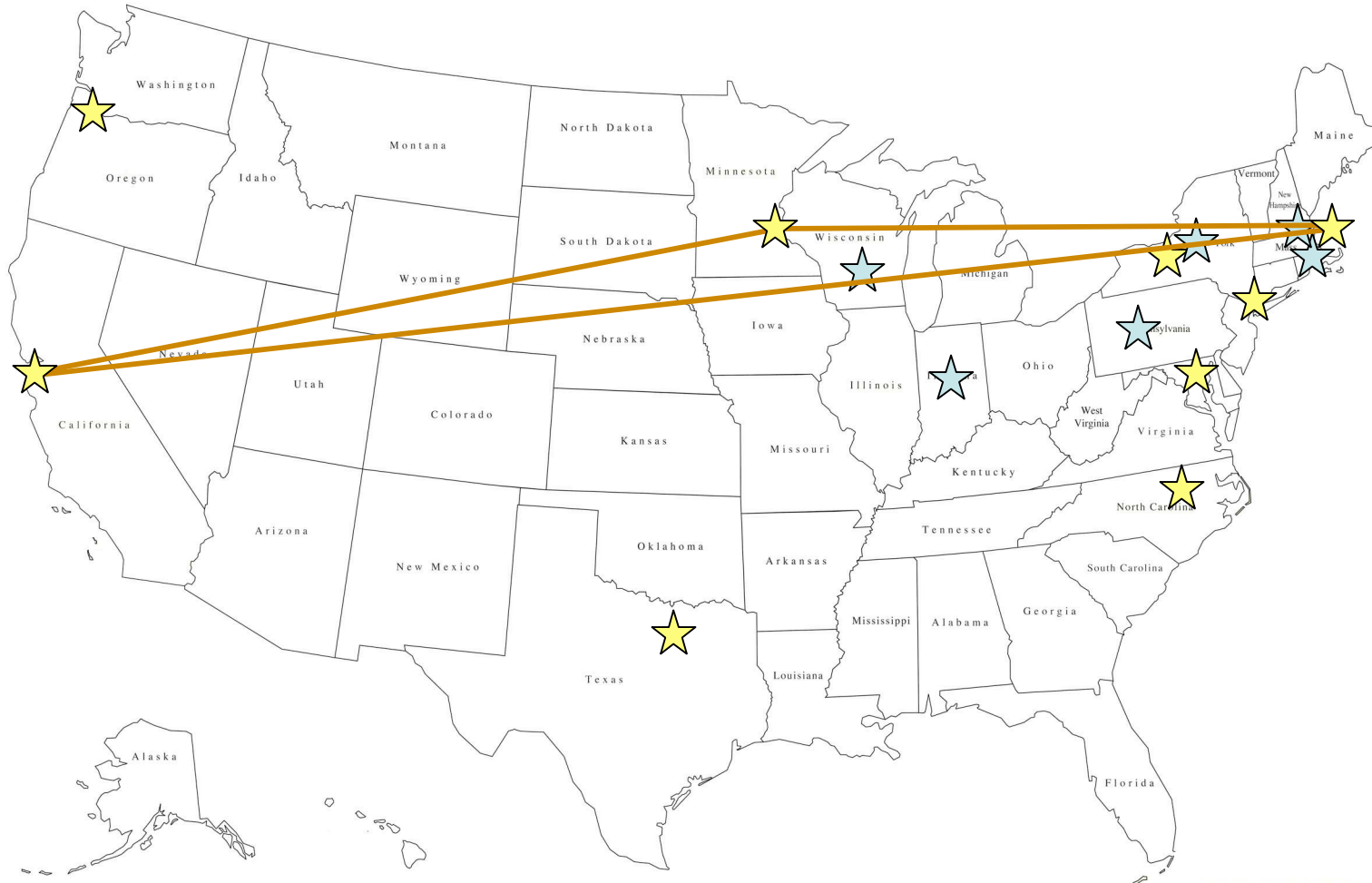
Three science museums that considered submitting a proposal in response to the NSF NISE solicitation in 2005...



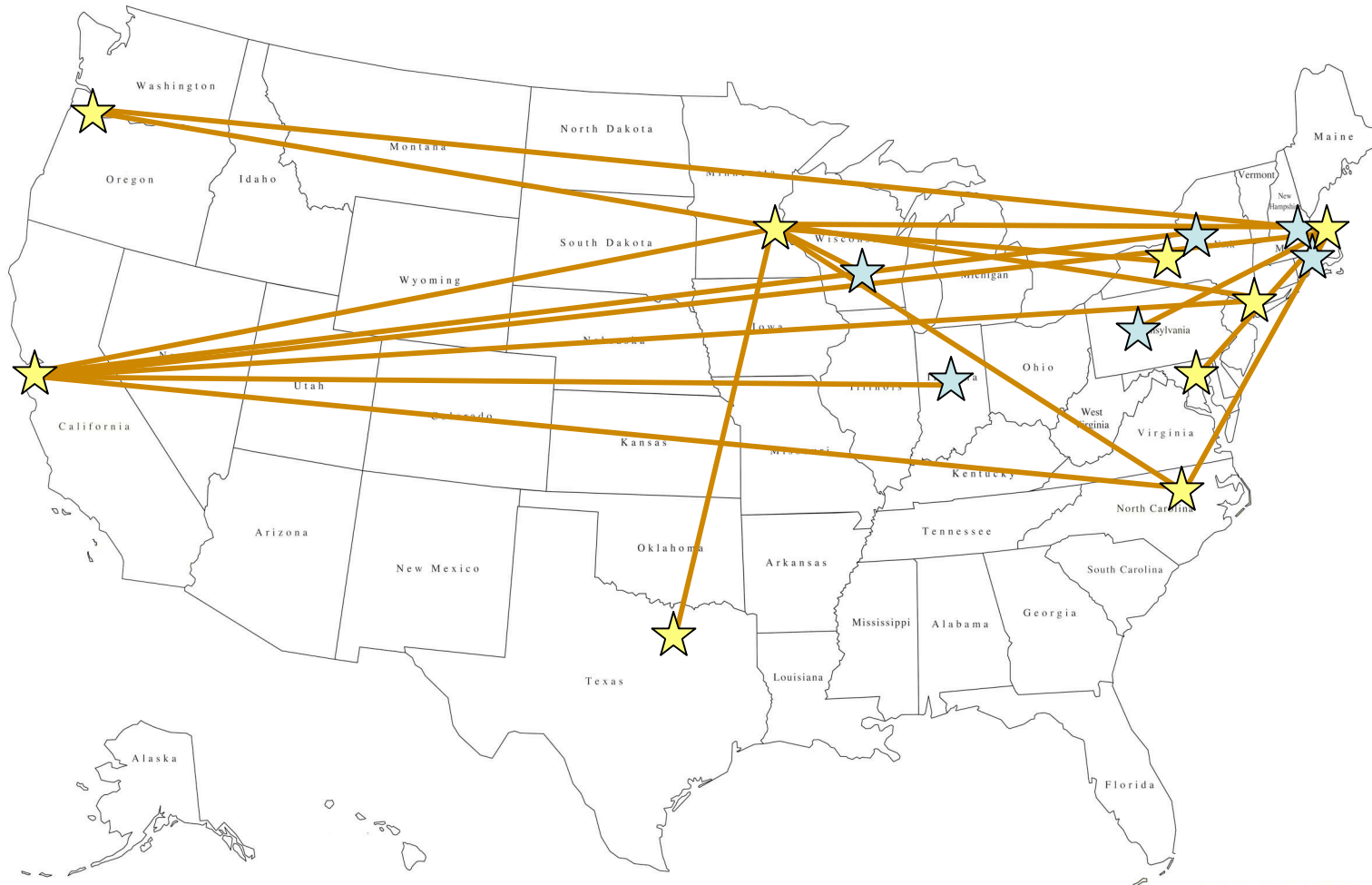
...joined forces to develop a joint proposal  
and form the core of the NISE Network.



We invited 10 other ISE and research organizations to be subawardees...



...and through a number of working teams, they became part of the network.



## Gold nanoshells in cancer treatment



## Nano Lab "Clean room"



Interactive exhibit on self-assembly

**In yrs 1 & 2, these teams developed & tested exhibits**



Immersive exhibit on water at three scales



Computer games

## ... and programs



models

“interview”



theater

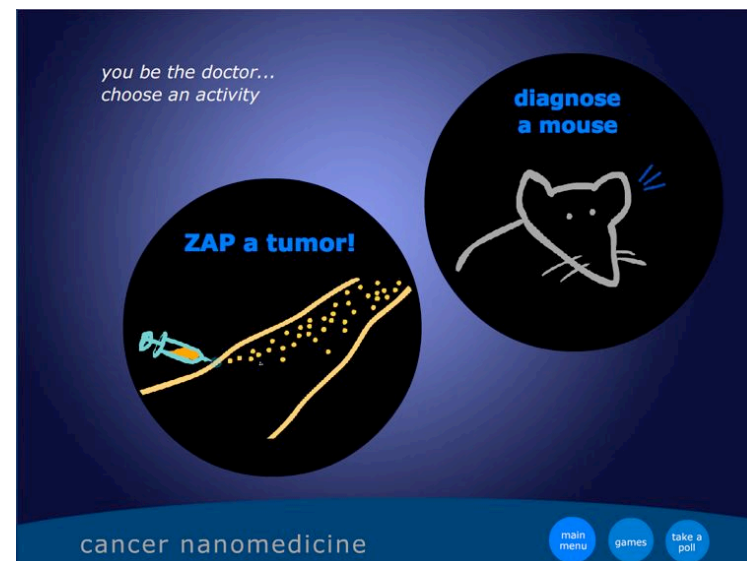
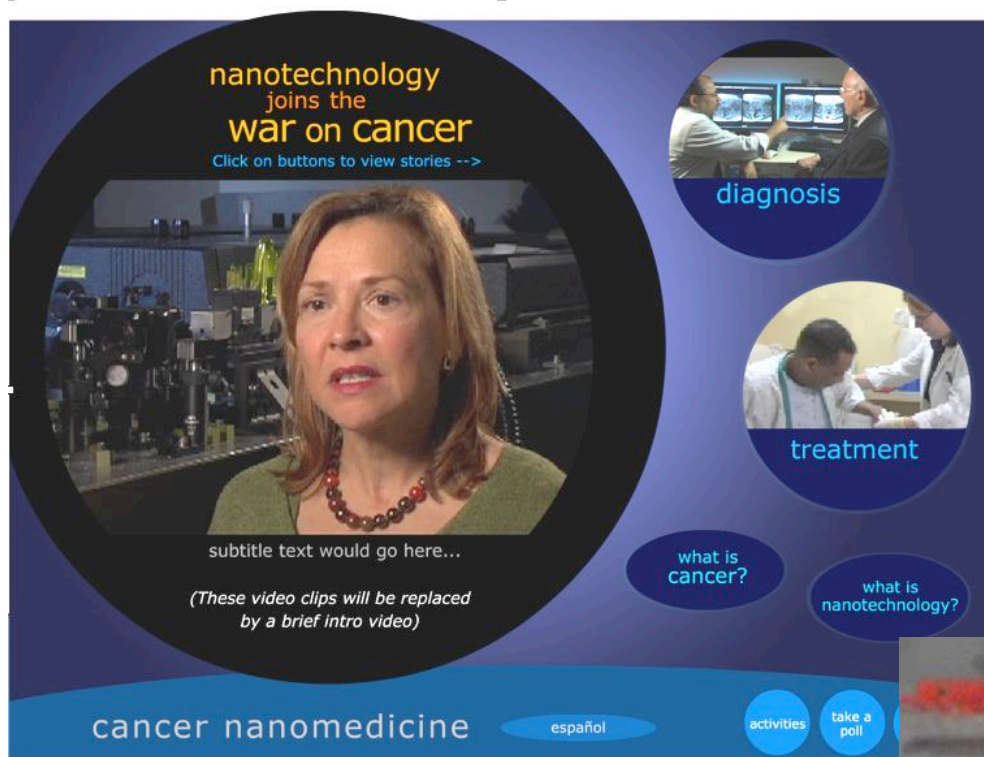


phenomena



game show

## Cancer nanomedicine video interactive



... and media



How small is a nanometer, on Youtube



Don Eigler



**... and  
public  
forums**





**. . . and other kinds of activities**

Learning  
each  
others'  
programs



Access and universal design

**. . . Also built the capacity of a core set  
of ISE institutions**

Sharing ideas

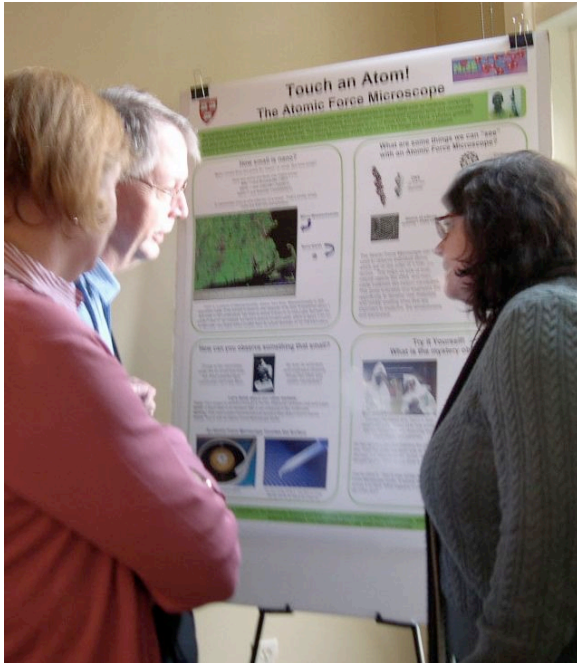
Engaging new partners



Focus on  
formative  
evaluation



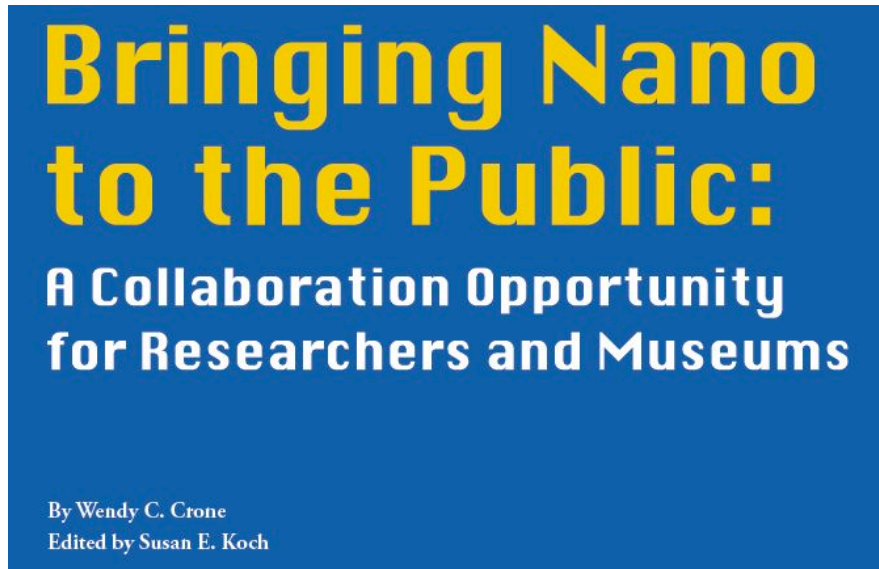
Nanoscale educational outreach professional development for grad students and education outreach coordinators



... and bridges between research and ISE



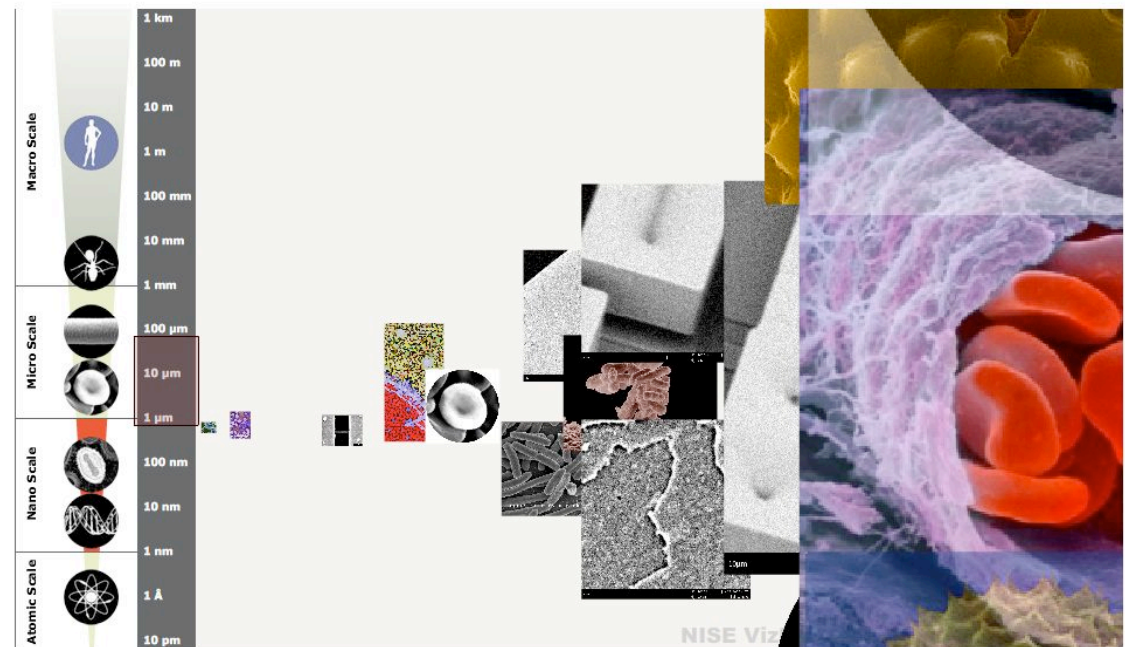
NISE Net annual meeting



Developed new knowledge and ways to communicate it



VIZ LAB IMAGE SCALER



## Yrs 3-5: Getting it out

develop and evaluate possible new programs, exhibits, forums, media and visualizations

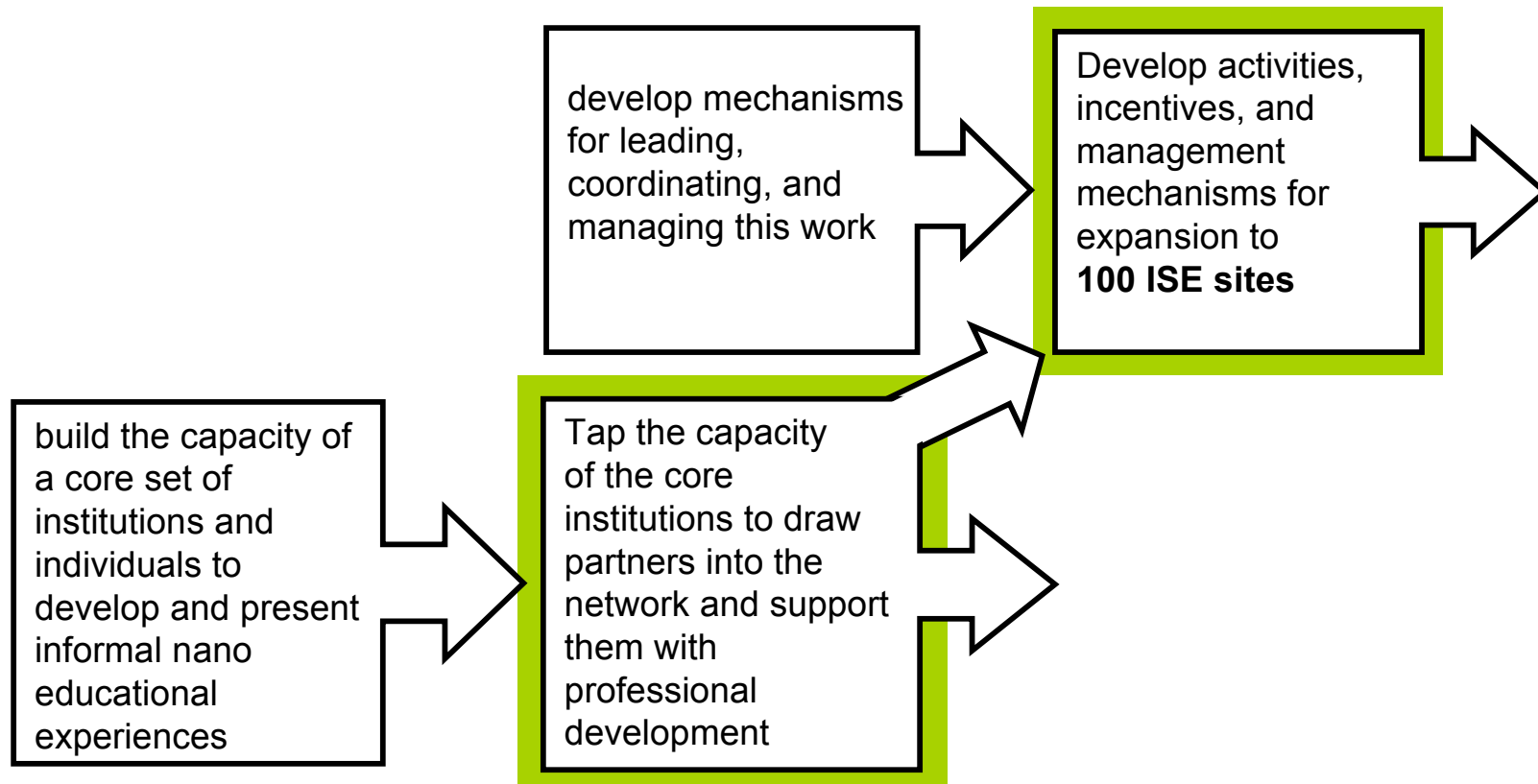
create a dynamic **catalog** of exhibits, media, programs, forums, and other informal educational resources

develop new knowledge about informal nano education and mechanisms to expand and share that knowledge

create a **website** to provide access to the catalog of educational resources and new knowledge

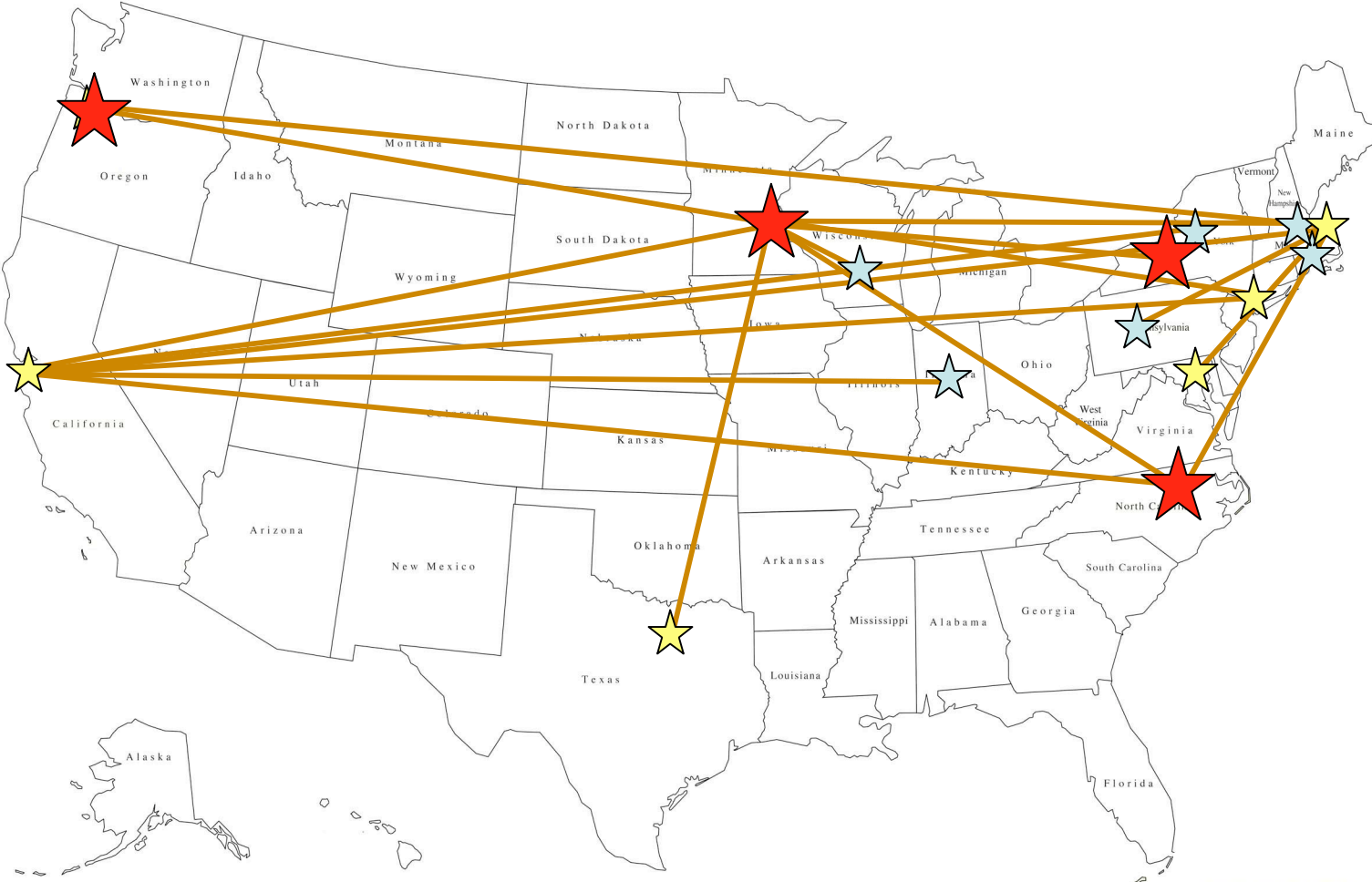


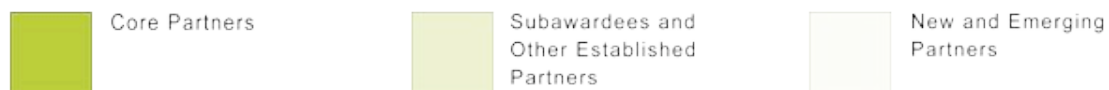
[www.nisenet.org](http://www.nisenet.org)



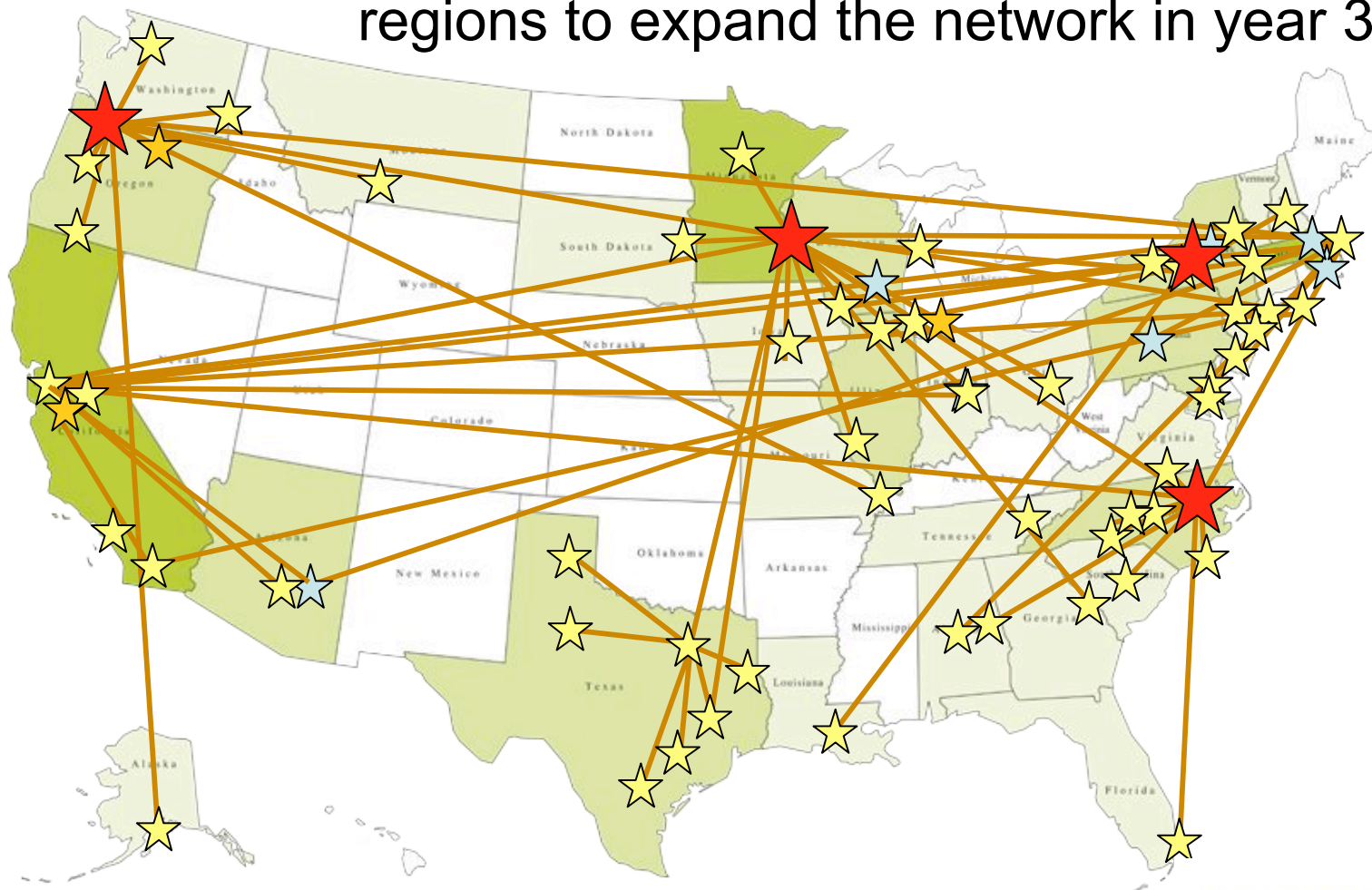
**Yrs 3-5: Getting it out**

. . .four current partners have become regional nodes this year.





They have recruited new partners in their regions to expand the network in year 3.



## Yrs 3-5: Getting it out

create a network of connections among people in informal science institutions and people in research centers

make the availability of the catalogue of resources known widely

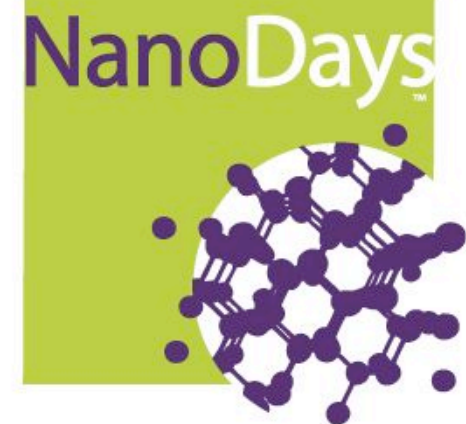
Mount efforts within the nanoscale research community to build bridges between science museums and research centers: RISE

Initiate and provide resources for educational events to take place at many locations throughout the US during NanoDays

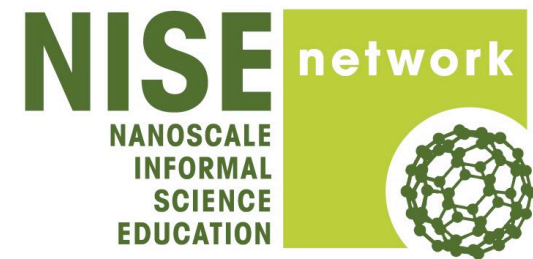


## A week of nano public outreach events

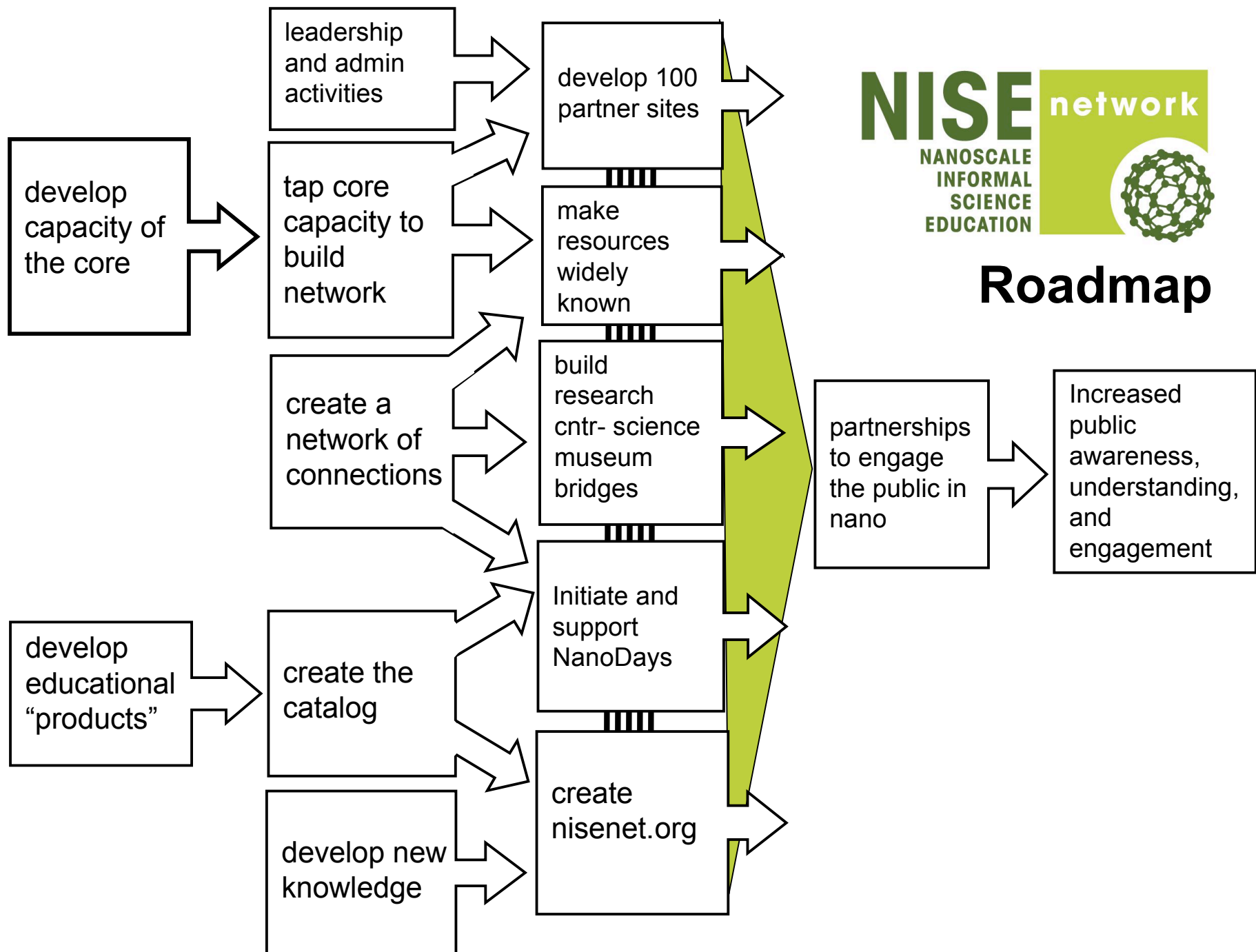
- Locally organized activities
- Designed to launch partnerships and new public outreach activities
- 100 NanoDays kits distributed in 2008
- Online resource – [nisenet.org](http://nisenet.org)
- Email: [nanodays@nisenet.org](mailto:nanodays@nisenet.org)

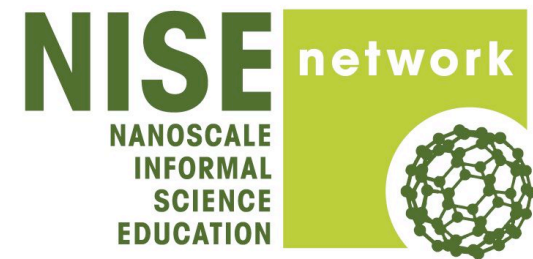


**March 29 - April 6, 2008**

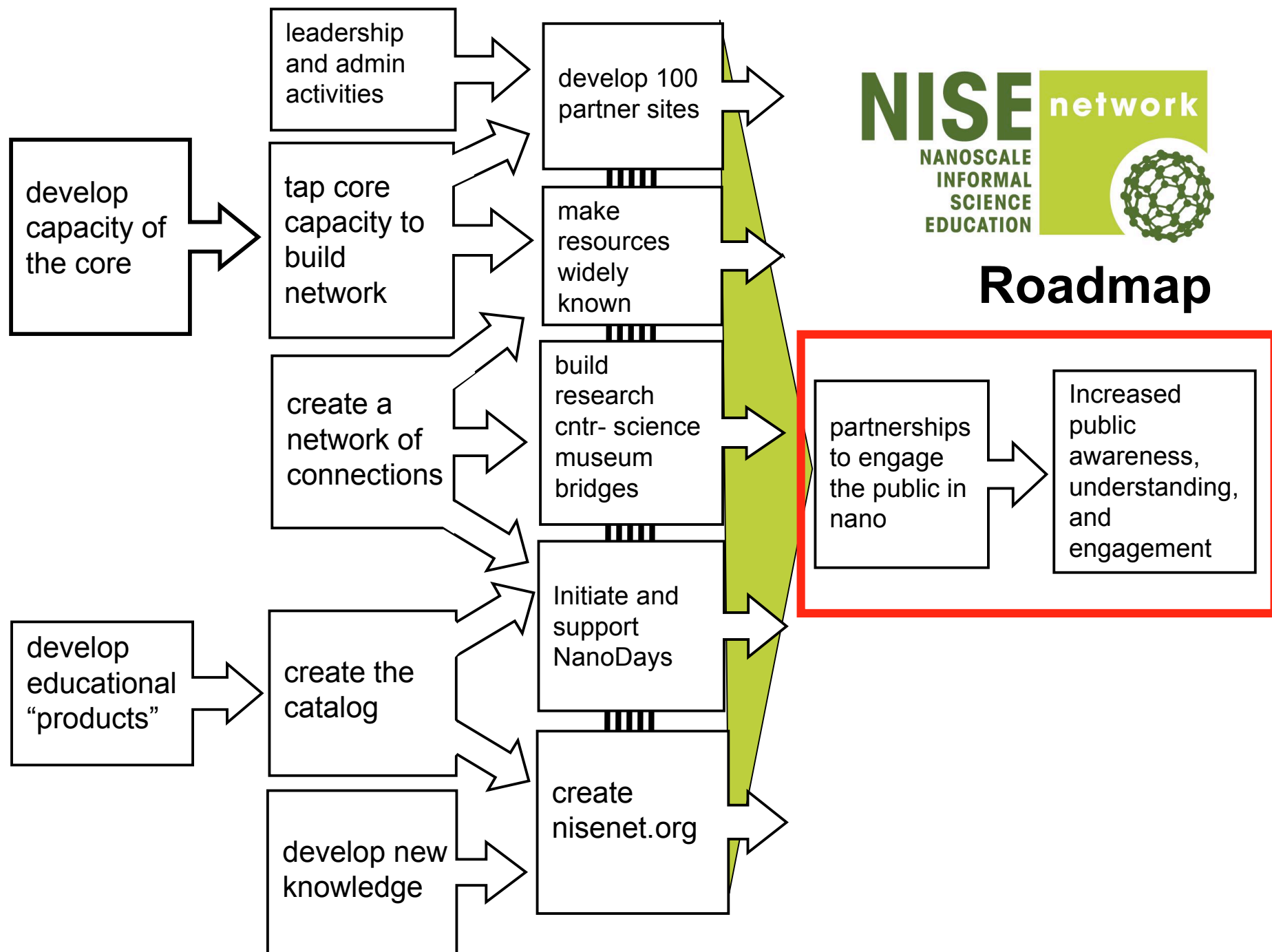


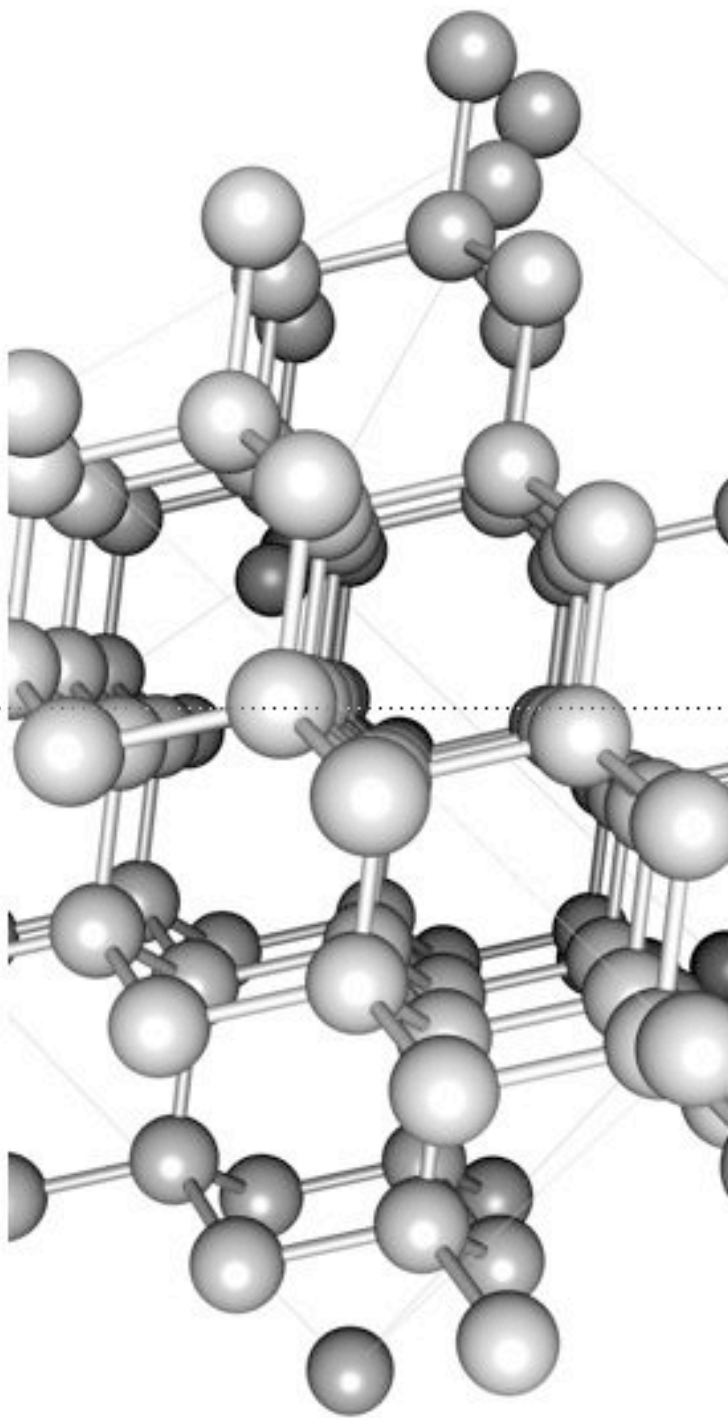
## Roadmap





## Roadmap





## **Research Center - Informal Science Education Partnerships**

**Carol Lynn Alpert**

Co-PI, NISE Network

Director, Strategic Projects

Museum of Science, Boston

[calpert@mos.org](mailto:calpert@mos.org)

**NISE** network  
NANOSCALE  
INFORMAL  
SCIENCE  
EDUCATION

