

**NSDL**

THE NATIONAL SCIENCE DIGITAL LIBRARY

Digital Libraries: New Tools for  
Education and Research

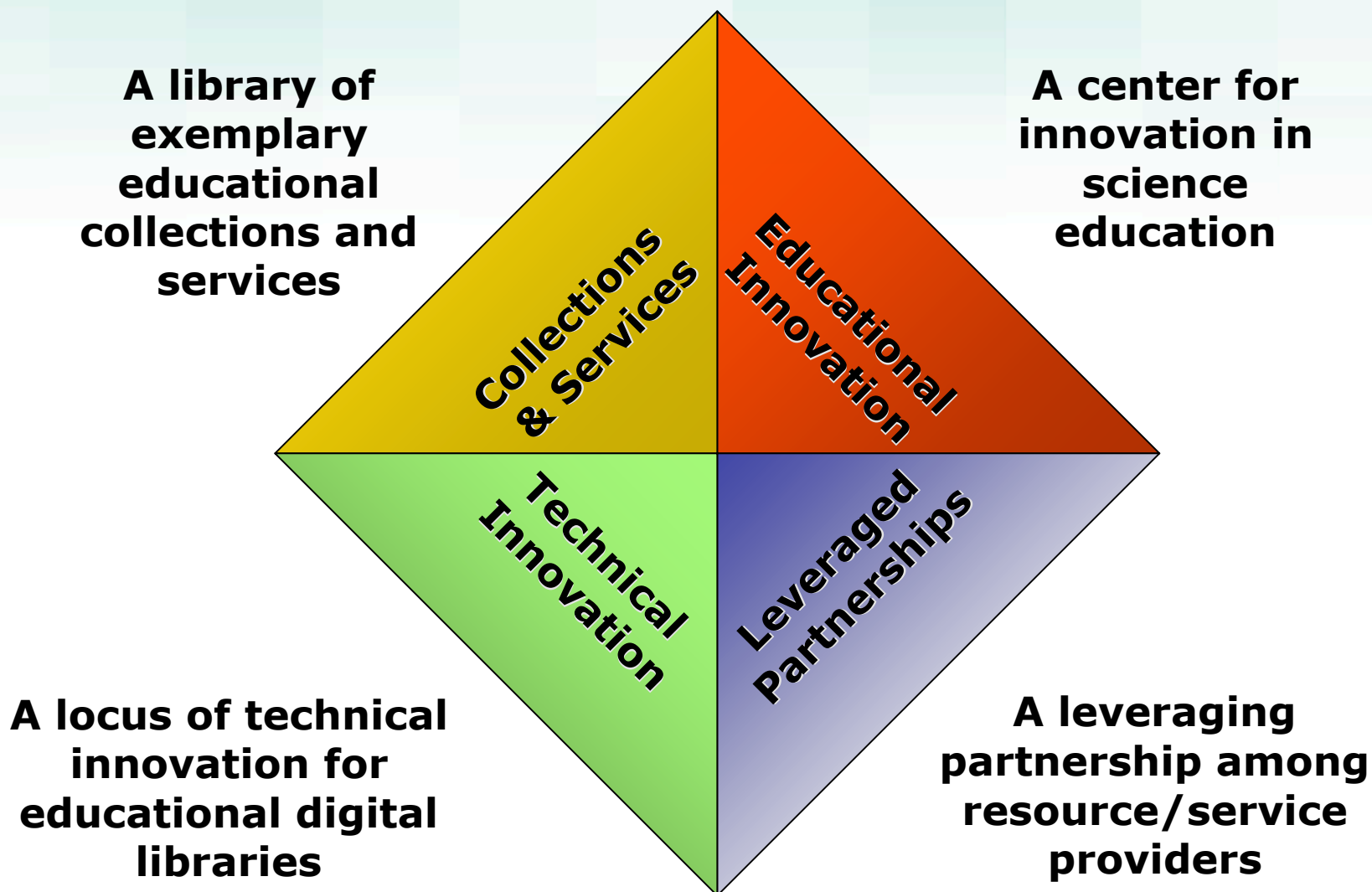


# The National Science, Technology, Engineering, and Mathematics Education Digital Library

*The National Science Foundation's  
online library of resources for  
education and research ...*

...established to catalyze and support continual improvements in STEM education at all levels (K-12, Higher Education, and Lifelong Learning).

# Four Facets of NSDL



*NSDL is a work in progress being built  
by community participation...*

Technology  
Experts

Students

Scientists

Professional  
Organizations

Teachers

Universities

Museums

Content  
Providers

Research  
Laboratories

Publishers

Government  
Agencies

**NSF**

**Division of Undergraduate Education**



**NATIONAL  
VISITING  
COMMITTEE**

**CORE INTEGRATION**

**UCAR**

**CORNELL**

**COLUMBIA**

**NSDL COMMUNITY**

**POLICY**

**EVALUATION**

**COMMUNITY  
SERVICES**

**CONTENT**

**TECHNOLOGY**

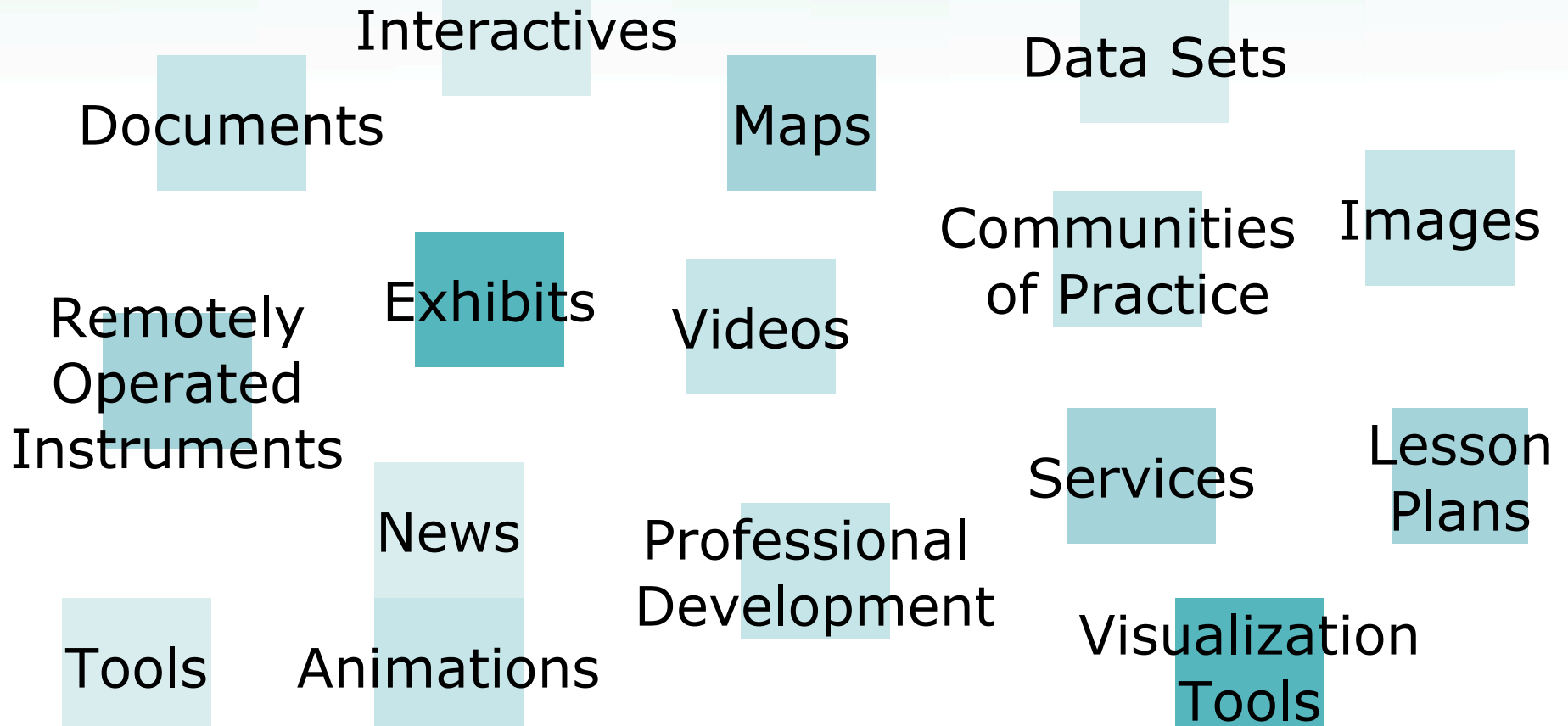
**SUSTAIN-  
ABILITY**



**STANDING COMMITTEES**



# NSDL Resources – Diverse Topics and Formats



# NSDL Grant Funding

## Pathways

Assemblages of resources to serve a particular audience

## Services

Tools supporting NSDL users and developers

## Targeted Research

Investigations of new technologies and evaluations of educational impact

NSDL's 184 funded awards represent 99 different institutions in 33 states and the District of Columbia.

Next round of proposals due April 2005 with award notification expected by October 2005.

# NSDL Offers Educators...

An organized point of access to the Internet for high quality resources supporting STEM education

A source for accurate, appropriate, and relevant information for educators and learners at all levels

Connections to collaborative online environments for dialogue, document sharing, idea exchange, and peer recommendations



# NSDL Offers Researchers...

An opportunity to disseminate information about methods, data, and results in multimedia and interactive environments

A connection to educators and learners who want access to real scientists and the processes of scientific research

A resource for discovering tools that enable data interoperability and visualization

# Opportunities for Participation

Contribute collections and services to NSDL  
Images, Learning Objects, Data  
Sets, Visualization Tools, Articles...

Collections live on your server and  
you retain intellectual property rights

Integrate NSDL resources into your  
classroom presentations and assignments

Apply for grant funding to develop a  
pathway, service, or conduct research

# Opportunities for Participation

Serve as an expert for the AskNSDL question and answer service

Answer content-specific inquiries and recommend resources

Join the NSDL community through our email newsletter, listservs, website, and committees for content, technology, community services, educational impact, and policy

## NATIONAL SCIENCE DIGITAL LIBRARY

 [Search](#)

### NSDL PORTALS

#### **Middle School Portal**

Middle School Math, Science, and Technology presented by Eisenhower National Clearinghouse

[What are NSDL Portals?](#)

### FUTURE PORTALS

#### **Teachers' Domain Pathways to Science**

Rich media for K-12 teaching presented by Teachers' Domain at WGBH

#### **The Math Gateway**

Undergraduate Mathematics presented by the Mathematical Association of America

#### **The Computational Science Education Reference Desk**

Computational Science presented by the Shodor Education Foundation

#### **The Applied Mathematics and Science Education Repository**

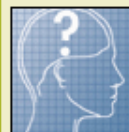
Community Colleges presented by Internet Scout at the University of Wisconsin



*The Nation's online library of resources for science, technology, engineering, and mathematics education and research.*

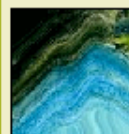


### EXPLORE



#### **AskNSDL**

[How? What? Why?... Try the NSDL ask-an-expert service.](#)



#### **New In The Library**

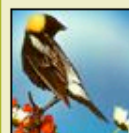
[Pacific Tsunami Museum](#)



#### **Resource Of Interest**

[Nova Online Adventure](#)

### HEADLINES



[Sustainability Vignettes: The Macaulay Library](#)



[Printing Teaching Objects from A Digital Library](#)