

**National Media Laboratory**

ROBERT CLARK



**National Media Laboratory**

*... a Center of Excellence for storage technologies ...*

**Robert Clark  
Deputy Director, NML**



## *What is the National Media Lab?*

- *A Jointly-Funded Government / Industry Lab*
- *A "Distributed" Industrial / University Laboratory  
-a partnership of domestic industrial and  
university resources.*
- *Focused upon government user support.*
- *A focus for technology and knowledge transfer  
between government, domestic industry and  
universities.*



*"Storage technology is a limiting factor in the application of other information technologies. Development of high-performance computing applications is dependent upon vast storage capacities...*

*....Archiving and management of data collected from satellites are already overwhelming existing storage facilities. Multi-media workstations, which are currently being developed, will store and process text, images, and voice and will require significantly larger secondary storage subsystems."*

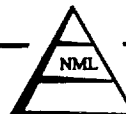
**Report of the National Critical  
Technologies Panel  
March 1991**



## Motivation for a National *Media* Laboratory

- Recording systems are *THE* major government image and data exploitation bottleneck.
- Government data recording performance and storage requirements lead commercial practice by 3-5 years.
- The supporting commercial recorder industry is large but principally focused on video not data formats.
- Lack of standards.
- Lack of transfer of commercial knowledge base to program offices and operational sites.

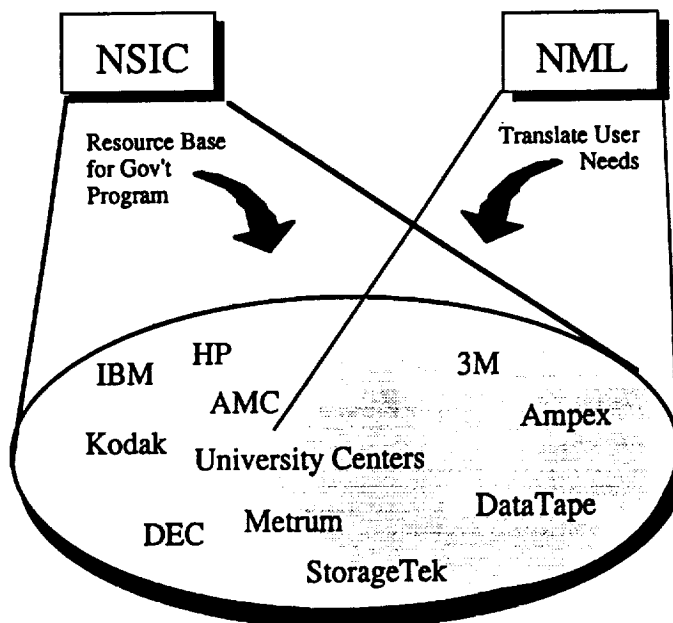
**NSIC**



### MAJOR FOCUS:

#### Industry Needs

- Global Competition
- Advanced R&D
- Standards

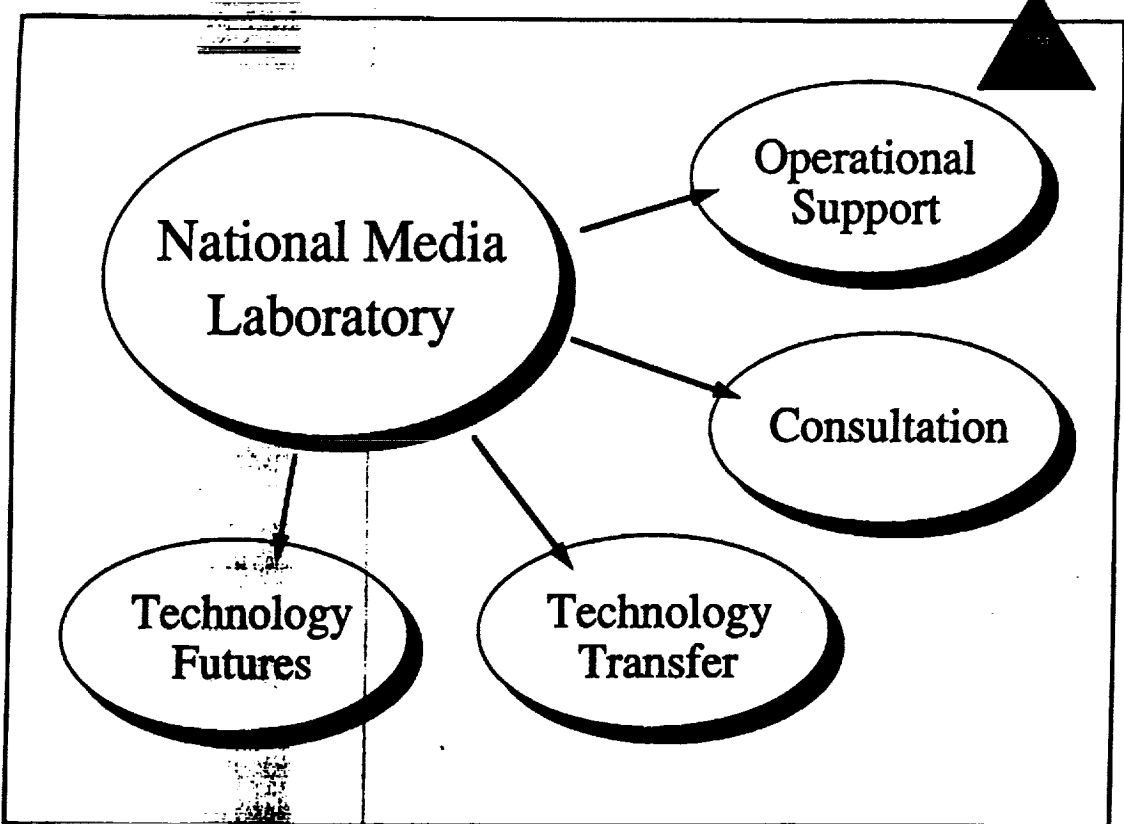


### MAJOR FOCUS:

#### Government User Needs

- O&M Support
- COTS
- Standards
- Advanced Products
- Domestic Source

US Storage Community

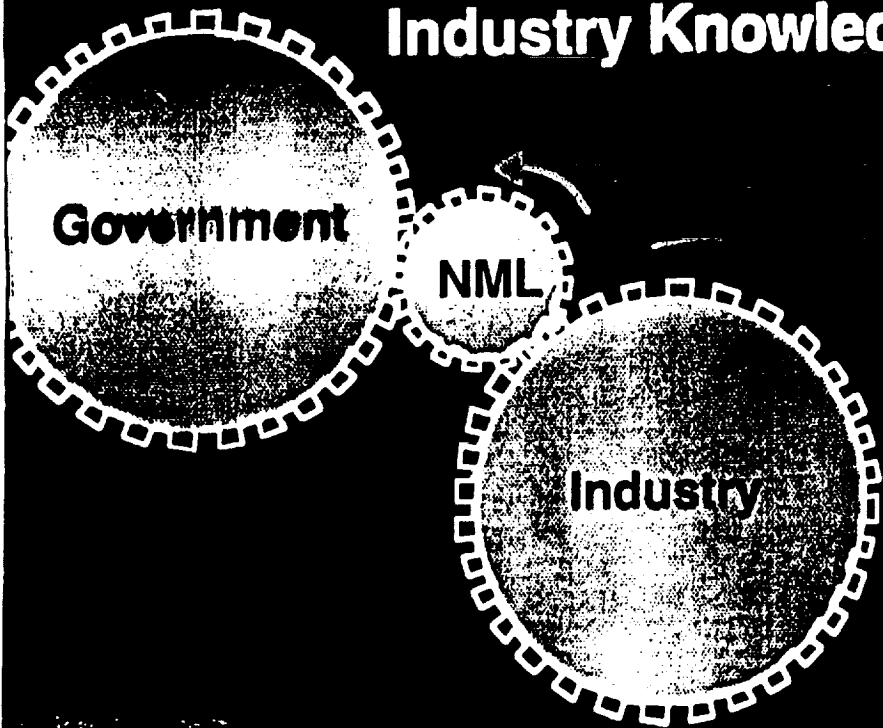


NML

# NML Mission

Support current government user data storage needs and assist them in getting the most efficient "commercial" solutions in the future.

# Coupling Government and Industry Knowledge Bases



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IN Special

KAS → Primary