

PUBLIC INFORMATION INFRASTRUCTURE FOR SCIENCE

PIIS ON or OFF

What Did We Do Yesterday?

- Context setting
- Introducing communities;
 - New views on relationships
- Institutional strategies for site/community building
- Issues discussions

Common premises and understanding

- Technology is enabling/compelling
- Increased user information literacy/expectations
- Collaboration/leveraging/barbarism
- Economic models are key ---- hole
- Private sector is a always a player
- IS IT TIME TO TAKE ACTION?

Policy Winners and Losers

- % **Bush Supports e-government and a strong IT agenda**
- % **Citizen, services**
- % **FirstGov**
- % **CIO**
- % **Education**
 - o **Highly Technical S&T**
 - o **Old Ways of Doing Business**
 - o **STI**
 - o **WHY ARE WE DOING THIS? \$\$--\$\$\$**
 - o **WHERE TO TAKE COVER?**

Is Moore's Law the Answer? The Only Answer??

- Increasing units as cost per unit decreases: a net gain or loss?
- Economies of Scale? Avoid Duplication
- Economies of skill? Cost of skills?
- Familiarity breeds content.
- HOW MUCH TIME DO WE HAVE?

Mohammad and the Mountain

Or “I don’t do libraries”

- Questions are not by government organization structure
- Edifices are out -- unless they’re on my desktop
- 1/3 of the people know what the Internet is and 2/3 think it’s a good idea
 - 50% of the material on the web; 90% of answers
- **ARE WE PLAYERS? ON WHAT FIELD?**

Spectrum of Interoperability

- Standardize on sophisticated protocols
- Agree on simple protocols and metadata standards
- Gathering – robotic collection automatically with no site participation
- COSTS go DOWN
- USERS go UP
- SITES go Up
- QUALITY? VALUE?
- DO WE TAKE A SHORT VS LONG TERM PERSPECTIVE?

Building Blocks for a PSII

- **USERS + PROFILES + LEARNING COMMUNITY**
- **CONTENT + METADATA = CUSTOMIZED COLLECTIONS**
- **TOOLS + PROTOCOLS = APPLICATIONS SERVICES**

All Building Blocks are Available

- Federal Mission Infrastructures have enormous assets
- Partnerships and collaborations are the way of doing business
- Some drive with technology; others with relationships; all must have both
- Interagency cooperation a given;
- **FOCUS AND VISIBILITY AND TIMING FOR WHAT? WHERE? WHEN? AND HOW?**

When Reasonably Studied, Results are Similar

- PCAST
- Trivelpiece
- PITAC

- Death by study
- WHO HAS THE LEADERSHIP? WHO HAS THE ACTION?

The Big Gorillas and Other Fauna

- Copyright
- Privacy
- Security
- Quality
- The finger in the dike: peer review
- Section 508
- DO THESE IMPACT A PSII?

MUSTS FOR PARTNERSHIPS

- “Wins” for all
- Good fit between partner’s goals & activities & partner’s mandate
- ENERGETIC, honest broker for leadership and execution
- Open & universal communication
- Commonly understood and agreed upon standards
- Partners have own identify and get visible credit

Visions of the Future

- WWW as world's largest (and only??) digital library
- Apple's Knowledge Navigator (1988?)
- Star Trek Computer
- Trivelpiece: "The rapid advances in IT have dramatically altered the nature of scientific communication."...The time is now..."

Let's prime the pump and then
focus on

“Small groups of barbarians to get
together and rip each other off for the
common good.”