

**SPARC**

Scholarly Publishing & Academic Resources Coalition

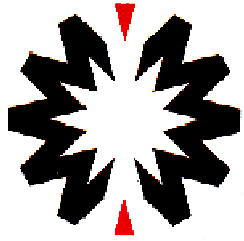
[www.arl.org/sparc](http://www.arl.org/sparc)

**OPEN ACCESS —  
THE PERFECT STORM**

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# **The Open Access Policy Imperative**

**Rick Johnson • Senior Advisor, SPARC  
SARC III • Williamsburg, VA • September 29, 2005**



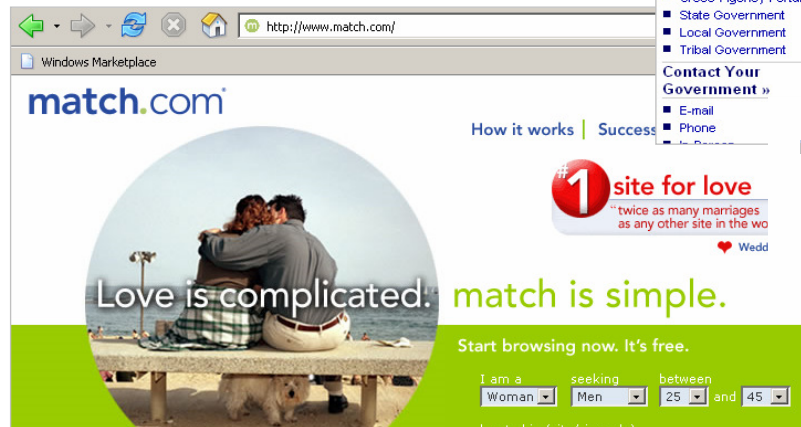
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# Change is all around

amazon.com. **LendingTree**  
WHEN BANKS COMPETE, YOU WIN.®

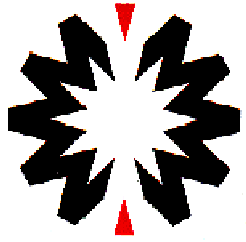
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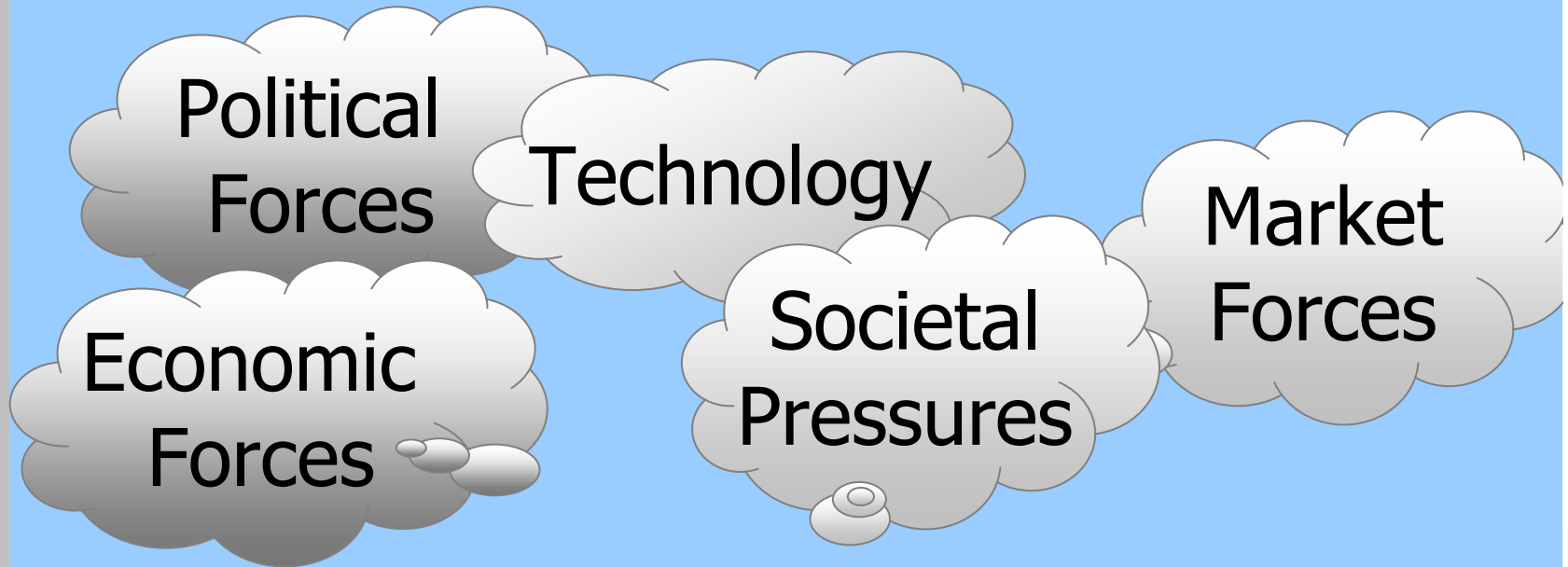
 **Expedia.com®**

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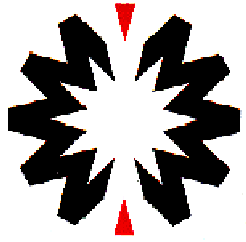


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## The gathering storm



*Scholarly Communication*



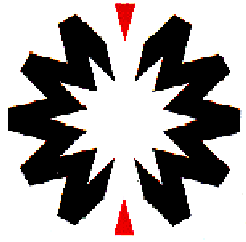
# But not so fast...

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## Vested interests

- Publishers
- Societies
- Authors
- Higher education
- Libraries



# Scientific imperative

## A Foundation for Discovery

If sharing of knowledge is the foundation of scientific advancement, then faster and wider sharing will fuel its progress.

### GOALS OF OPEN ACCESS

Accelerate  
Discovery

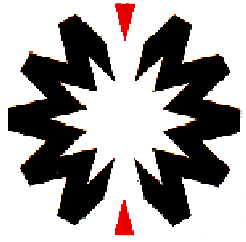
Stimulate Further  
Discovery

Translate  
Knowledge into  
Public Benefits

Improve  
Information  
Access & Sharing

Reduce  
Systemic Cost &  
Inefficiency

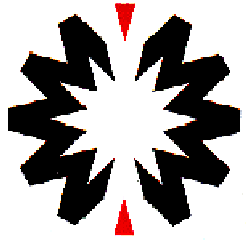
Enable New  
Research  
Strategies  
(e.g., data mining)



## It's about data, too

### **Flu researchers slam US for hoarding data**

LONDON, Sept 21 (Reuters) - Influenza researchers are being hindered in their work by the United States' disease control agency's reluctance to share data, according to the journal *Nature*.



# Financial imperative

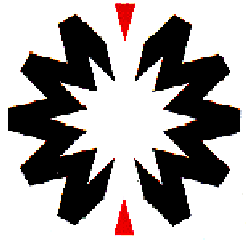
## Credit Suisse First Boston:

“[W]e would expect governments (and taxpayers) to examine the fact that they are essentially funding the same purchase three times: governments and taxpayers fund most academic research, pay the salaries of the academics who undertake the peer review process and fund the libraries that buy the output, without receiving a penny in exchange from the publishers for producing and reviewing the content....

“We do not see this as sustainable in the long term, given pressure on university and government budgets.”

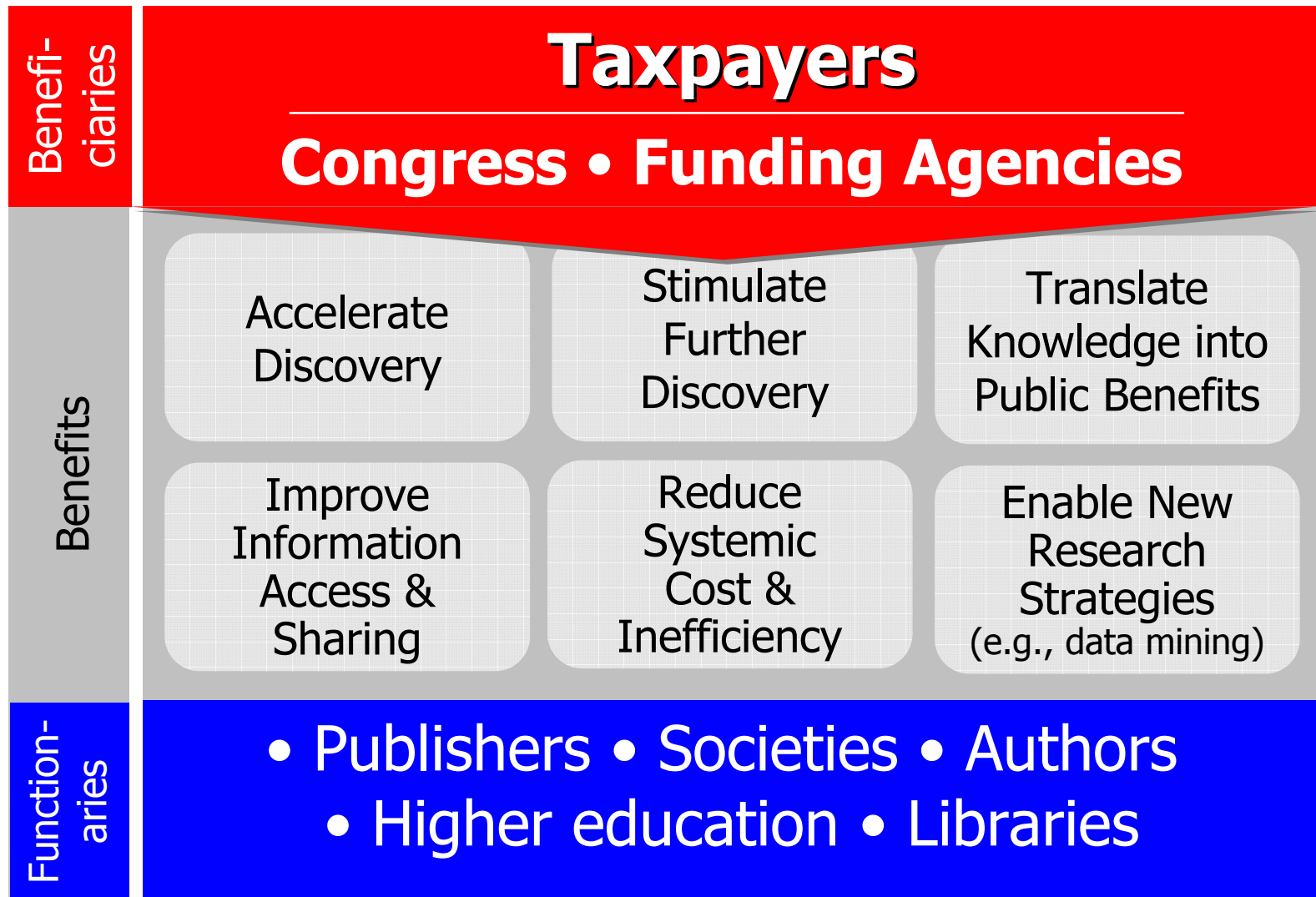
–*Sector Review: Scientific, Technical and Medical Publishing*, April 6, 2004



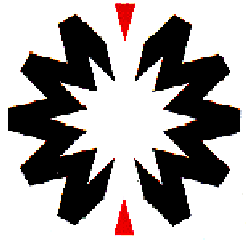


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# Public imperative



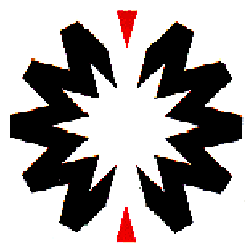




## Legal basis

“The Federal awarding agency(ies) reserve a royalty-free, nonexclusive and irrevocable right to reproduce, publish, or otherwise use the work for Federal purposes, and to authorize others to do so.”

– 2 CFR 215.36



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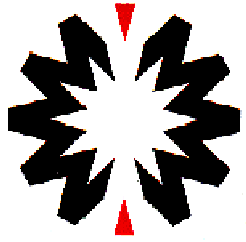
# A voice for taxpayers

The screenshot shows a web browser window with the title "ATA" and the URL "http://www.taxpayeraccess.org/". The page content includes:

- THE ALLIANCE FOR TAXPAYER ACCESS**
- ATA** logo
- Navigation links: [member](#), [media](#), [birds of a feather](#)
- Action**  
Watch for opportunities or recent progress involving:
  - [U.S. Congress](#)
  - [NIH](#)
  - [ATA](#)
  - [You](#)
- News**  
These sources will keep you updated on the latest developments related to taxpayer access:
  - [SPARC Open Access Newsletter](#)
  - [Open Access News blog](#)
- A diverse and growing alliance of organizations representing taxpayers, patients, physicians, researchers, and institutions that support open public access to taxpayer-funded research.**
- Statement of Principles:**
  1. American taxpayers are entitled to open access on the Internet to the peer-reviewed scientific articles on research funded by the U.S. Government.
  2. Widespread access to the information contained in these articles is an essential, inseparable component of our nation's investment in science.
  3. This and other scientific information should be shared in cost-effective ways that take advantage of the Internet to provide further dissemination and ensure that taxpayer-funded research is made available to the public and that knowledge is put to public benefit.
  4. Enhanced access to and expanded sharing of information will lead to usage by millions of scientists, professionals, and individuals, and will deliver an accelerated return on the taxpayers' investment.
- What is "Taxpayer Access"?**  
Access to scientific and medical publications has lagged behind the wide reach of the Internet into U.S. homes and institutions. Subscription barriers limit U.S. taxpayer access to research that has been paid for with public funds.  
Taxpayer access removes these barriers by making the peer-reviewed results of taxpayer-funded research available to the public.  
To achieve this, the ATA supports applying the developing practices of Open Access as defined by the [Budapest Open Access Initiative](#) in February 2002.

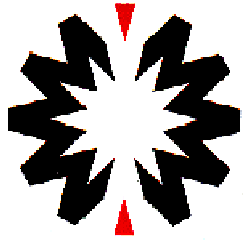
At the bottom of the browser window, it says "Waiting for www.taxpayeraccess.org..."

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



## ATA principles

- American **taxpayers are entitled to open access** on the Internet to the peer-reviewed scientific articles on research funded by the U.S. Government.
- Widespread access to the information contained in these articles is an essential, **inseparable component of our nation's investment in science.**
- This and other **scientific information should be shared** in cost-effective ways that take advantage of the Internet, stimulate further discovery and innovation, and advance the translation of this knowledge into public benefits.
- Enhanced access to and expanded sharing of information **will lead to usage** by millions of scientists, professionals, and individuals, and will deliver an accelerated return on the taxpayers' investment.



# Reaching out

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## Scientists want research papers freely available

Aug. 30, 2004 –Twenty-five Nobel Prize-winning scientists today are calling for the government to make all taxpayer-funded research papers freely available.

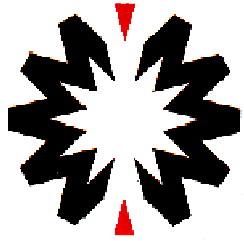
"Science is the measure of the human race's progress," scientists say in a letter to Congress and the National Institutes of Health.



"The status quo is not an option," **NIH Director Elias A. Zerhouni** said last week at a meeting on the agency's Bethesda campus.

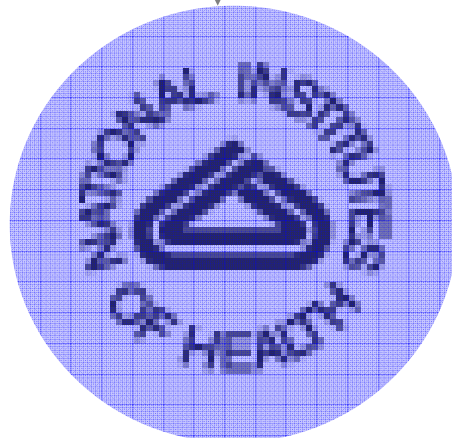
...

"**Sen. Arlen Specter** (R-Pa.) says he hopes a reasonable policy will emerge on open access."



# NIH Public Access Policy

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Federal Register

DEPARTMENT OF HEALTH AND  
HUMAN SERVICES

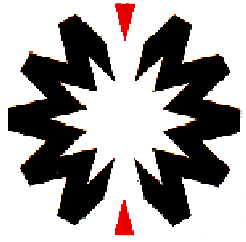
National Institutes of Health

**Policy on Enhancing Public Access to  
Archived Publications Resulting From  
NIH-Funded Research**

**ACTION:** Notice; final policy statement.

**SUMMARY:** The National Institutes of Health (NIH) announces its policy on enhancing public access to archived publications resulting from NIH-funded research. Beginning May 2, 2005, NIH-funded investigators are requested to submit to the NIH National Library of Medicine's (NLM) PubMed Central (PMC) an electronic version of the author's final manuscript upon acceptance for publication, resulting from research supported, in whole or in part, with direct costs<sup>1</sup> from NIH. The author's final manuscript is defined as the final version accepted for journal

*Just the first step...*



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# Taxpayer access

## **A BIG IDEA**

built on a simple notion  
that will only continue to grow

