



U.S. Department of Energy  
**Office of Scientific  
and Technical  
Information**

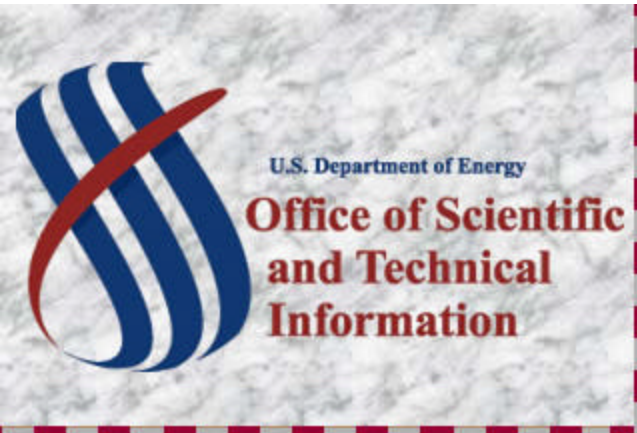
**Scientific and Technical Information  
Program (STIP) Meeting**

**Forging Ahead  
through Collaboration**

**Dr. Walter Warnick**



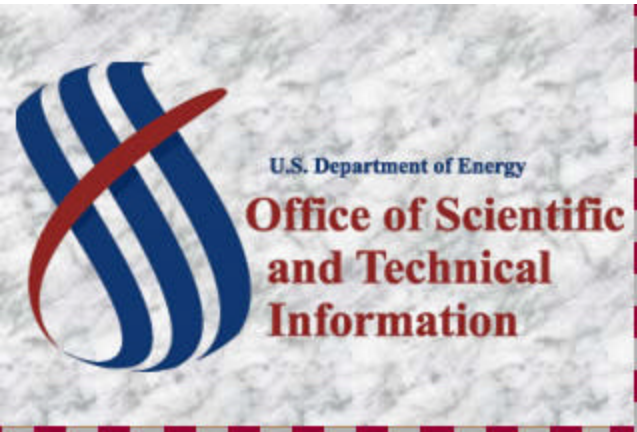
April 27, 2004



# *Collaboration Is Imperative!*



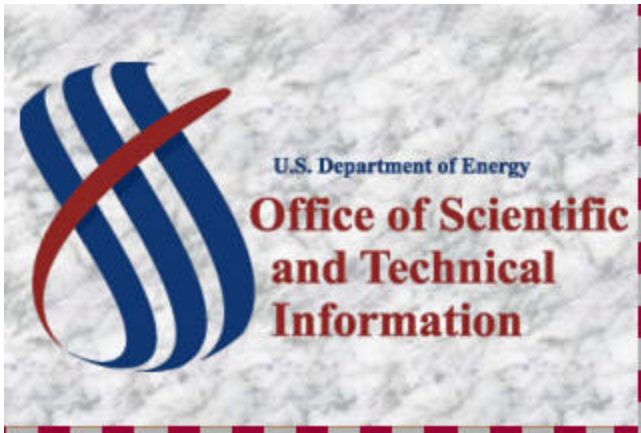
- **1997 – STIP built on collaboration**
- **“Lead DOE in the Information Age through a complex-wide collaboration”**
- **Ahead of the E-gov initiative curve**
- **Is DOE’s R&D visible, used, praised? Progress, but more to be done**



## *Stay the Course*

- *Create, collect and share scientific and technical information*
- *Through a robust, collaborative, and innovative Program*
- *Forged by all Departmental elements*
- *Using state-of-the-art technologies that are cost-effective and allow maximum use of the information.*

# Google™ and YAHOO! *Come Calling*

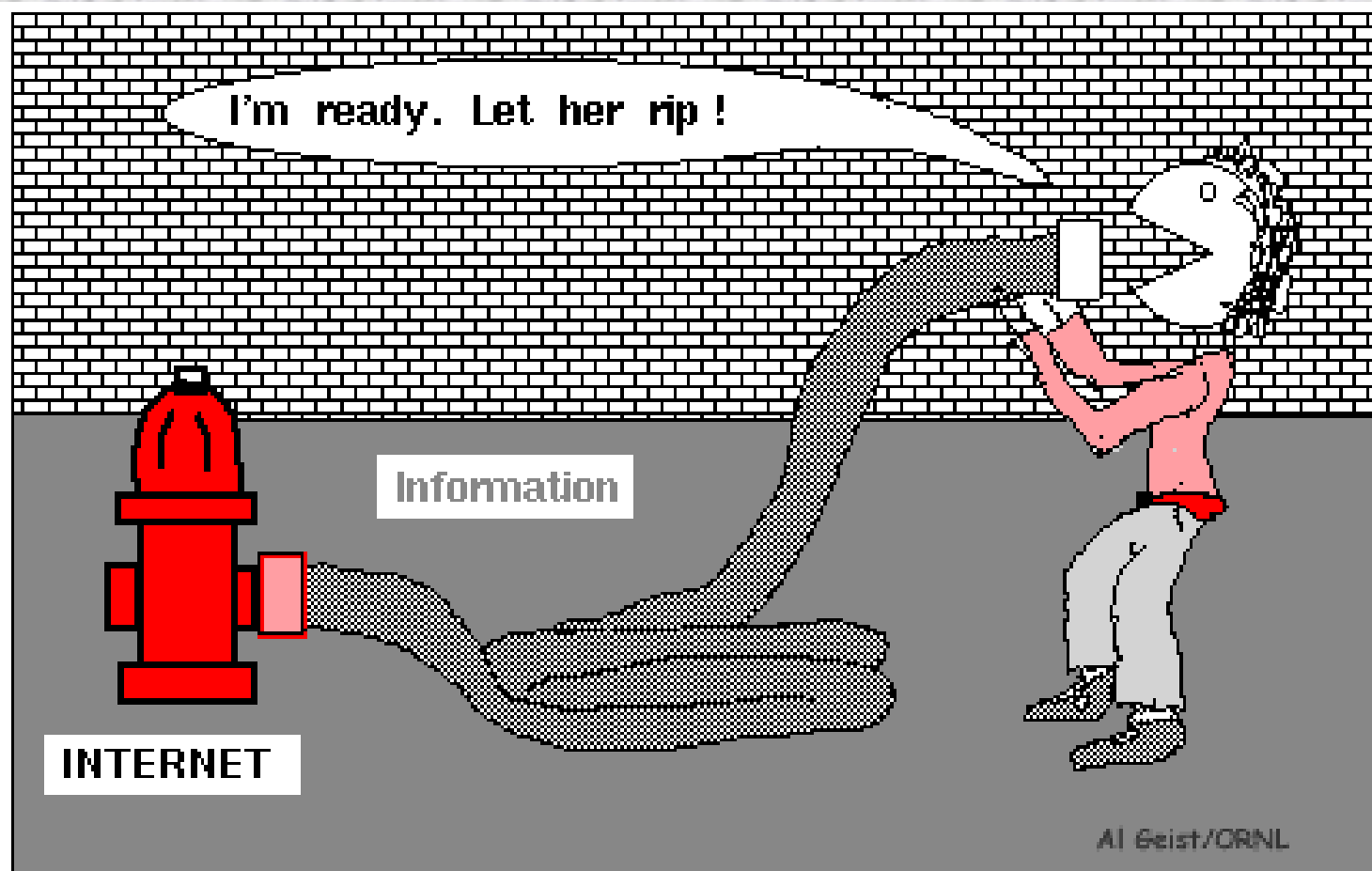


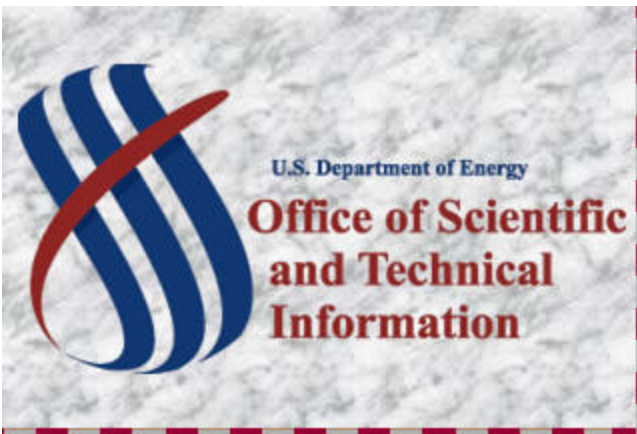
- **1996, 1997 – Formative years**
- **2004 – Google/Yahoo/OSTI converge**
- **First 4 days, 13,000 hits on 80,000 science documents**
- **Another major step in STI delivery**



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# *A Wealth of Information, or A-Wash in Information?*





# *It's "Relevant!" – Science.gov 2.0*

A screenshot of the science.gov website interface. At the top, there is a blue header with the "science.gov" logo and the tagline "FIRSTGov for SCIENCE version 2.0". Below the header is a navigation menu with links for Home, Site Map, Index, Help, Contact Us, About science.gov, and Communications. A descriptive sentence follows: "Science.gov is a gateway to authoritative selected science information provided by U.S. Government agencies, including research and development results." Below this is a search bar with a "New Search" button and a "Powered by explorit" logo. The main content area shows "Ranked results for: mathematical modeling" with a "Results by Source" button. The search results are listed in a table-like format with checkboxes, star ratings, and document titles and descriptions.

Home • Site Map • Index • Help • Contact Us • About science.gov • Communications

Science.gov is a gateway to authoritative selected science information provided by U.S. Government agencies, including research and development results.

Up | Mark All | List Marks | Clear Marks | Powered by **explorit**

Enter Search Terms

Ranked results for: **mathematical modeling**

1.	<input type="checkbox"/>	★★★★	<a href="#">Mathematical Modeling of Evolution</a> Overview of methods for mathematical modeling of evolution, with links to more detailed information on the models. Document is from: USGS NBI (National Biological Information Infrastructure)
2.	<input type="checkbox"/>	★★★★	<a href="#">Mathematical Modeling Using Maple</a> Document is from: STINET Report Collection
3.	<input type="checkbox"/>	★★★★	<a href="#">Mathematical Modeling Using MATLAB</a> Document is from: STINET Report Collection
116.	<input type="checkbox"/>	★★★	<a href="#">Mathematical modeling of the gas generation process in a coal reaction chamber</a> Kreinin, E.V.; et al. 1995 Sep 01 Document is from: DOE Energy Citations Database
117.	<input type="checkbox"/>	★★★	<a href="#">Mathematical modeling and remote monitoring of ion-exchange separation of transplutonium elements</a> Tselishchev, I.V.; et al. 1988 Jul 01 Document is from: DOE Energy Citations Database



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# *It's Enhanced!*



**science.gov**  
FIRSTGov for SCIENCE version 2.0

[Home](#) \* [Site Map](#) \* [Index](#) \* [Help](#) \* [Contact Us](#) \* [About science.gov](#) \* [Communications](#)

## Need Help Searching?

Science.gov Search

[Begin Search](#)

[Advanced Search](#)

Enables you to search both government Web sites and databases

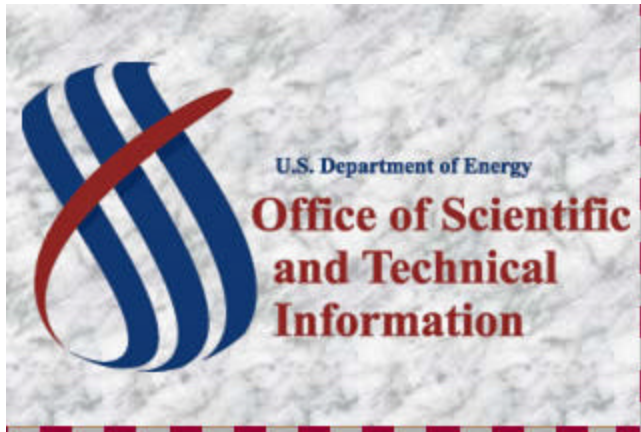
## Try our new QuickRank™ Search (it's also our default search)

- Just type in your key word(s), like **mad cow disease**, and select [Begin Search](#)
- You'll get results ranked in [relevancy clusters](#).
- Unlike many search engines, our results are retrieved in real time, so it could take a minute.
- Our progress bar will time out in 50 seconds. This means that if a particular database is running slow, you may not get all those results during that search session.

Searching . . .



17 of 30 resources

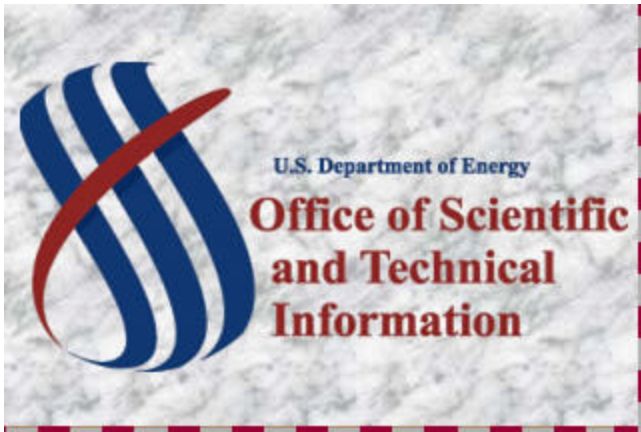


# Retains Strengths

The screenshot shows the science.gov website interface. At the top, there is a header with the science.gov logo and "FIRSTGov for SCIENCE version 2.0". Below the header is a navigation menu with links: Home, Site Map, Index, Help, Contact Us, About science.gov, and Communications. A sub-header states: "Science.gov is a gateway to authoritative selected science information provided by U.S. Government agencies, including research and development results." Below this is a search bar with the text "Enter Search Terms" and a "New Search" button. To the right of the search bar is a "Powered by explorit" logo. Below the search bar, the results are grouped by source for the search term "dark energy", with a "See Ranked Results" button. The results section is titled "Documents from Science.gov Web Sites (41 out of 41):" and includes a "More" button. The results list four items:

1.  [Beyond Einstein. What is Dark Energy?](#)  
... What is **Dark Energy**? ... Energy? ... A landmark discovery of the 1990s was that the expansion of the Universe is accelerating. The source of this mysterious force opposing gravity we call "**dark energy** ...
2.  [Homing in on dark energy with supernova studies from space](#)  
... Homing in on **Dark Energy** with Supernova Studies from Space ... best single tool for measuring the properties of **dark energy** — and eventually determining what **dark energy** is. As supernova studies with the HST ...
3.  [Beyond Einstein Probes](#)  
... predicts that this expansion was propelled by a quantum-mechanical energy of the vacuum similar to the **dark energy** today. It may hold the answer to the question, "What powered the Big Bang?" One way ... **Dark Energy** Probe ...
4.  [INPA Journal Club](#)  
... August - Carlo Baccigalupi (SISSA/ISAS) - **Dark energy** news on CMB & non-linear ... Huterer (CWRU) - CMB Windows on **Dark Energy** - Abstract ...





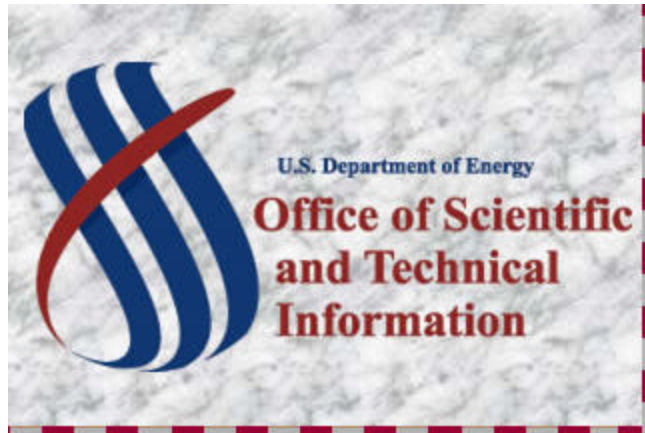
# *Real Time, Patron Friendly and Now Available*

- **Brings relevancy ranking to the deep Web in real time**
- **Precision search**
- **Patron friendly**
- **Now available in beta**
- **Secretary will launch May 11 in the Forrestal lobby**

# *Science.gov Packs Science Punch*

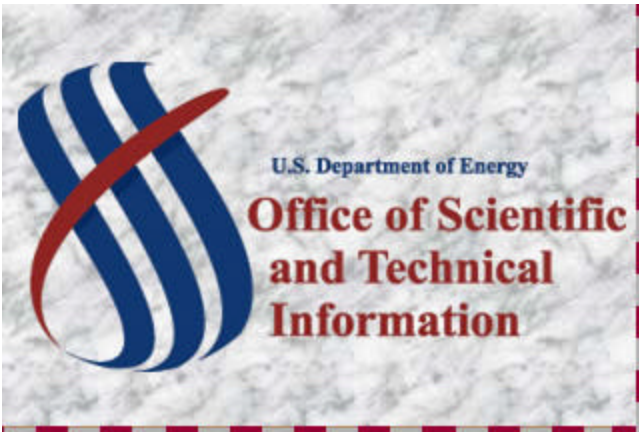


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# *Continued Collaboration, Continued Enhancement*

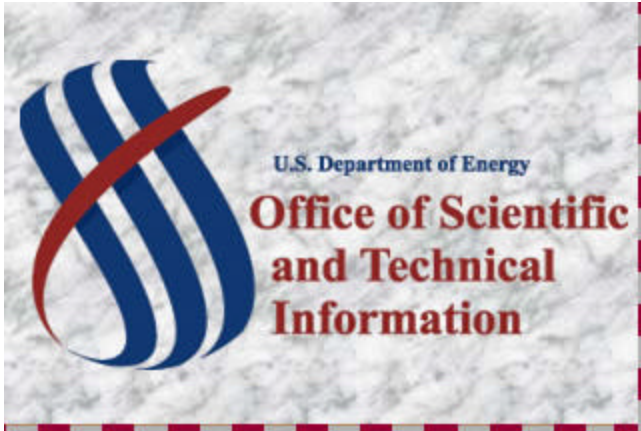
- **Version 3.0 – just a year away**
- **Resources – thanks to the Alliance**
- **MetaRank on the horizon**
- **System-wide alert and enhanced Boolean and fielded searching**
- **Enhanced precision searching**



# *1 Science.gov Way*

- **Another first**
- **DOE stands out**
- **Making R&D visible through *any* means!**

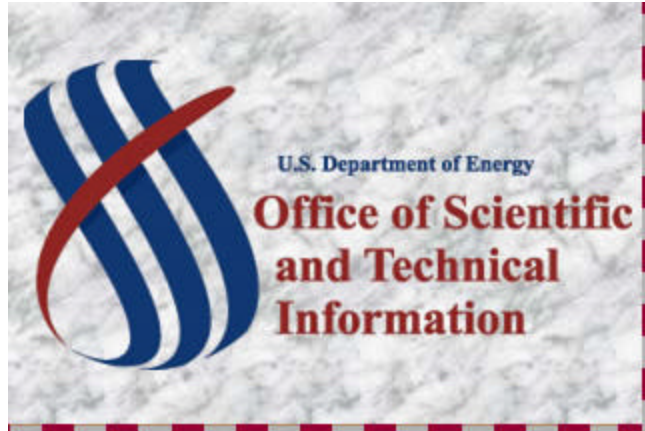




# *Long-Lived Data*

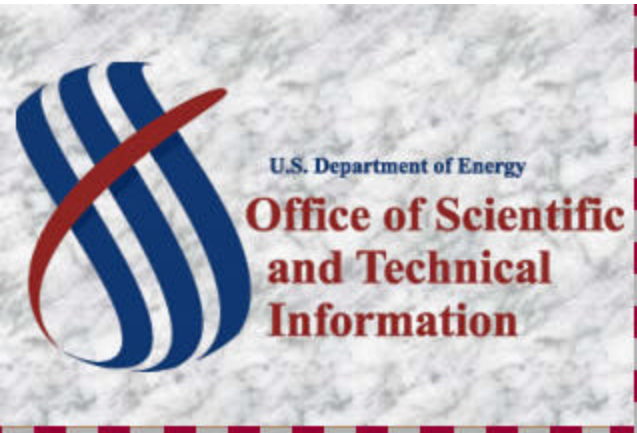


- **NSF's National Science Board**
- **A challenge, an opportunity**
- **Source data – preservation and future access**
- **Long-lived Data Collection Task Force**
- **Parallel activities in DOE?**



# *As the Deep Web Grows, So Must We*

- **Deep Web rising**
- **So must our collaborative efforts**
- **CENDI chair**
- **GPO committee**
- **Recognition of DOE's successes**



# *Forging Ahead*

- *OneSC*