

# Chains of Transition



Past Present Future

DOE Scientific and Technical Information Program

**R.L. Scott**

DOE Scientific and Technical Information Program Meeting

Denver, Colorado

March 20, 2002



# Chains of Transition



DOE Scientific and Technical Information Program



And you  
thought  
there was  
stress  
in your life

Source: <http://www.ahajokes.com/crt550.html>

# Chains of Transition

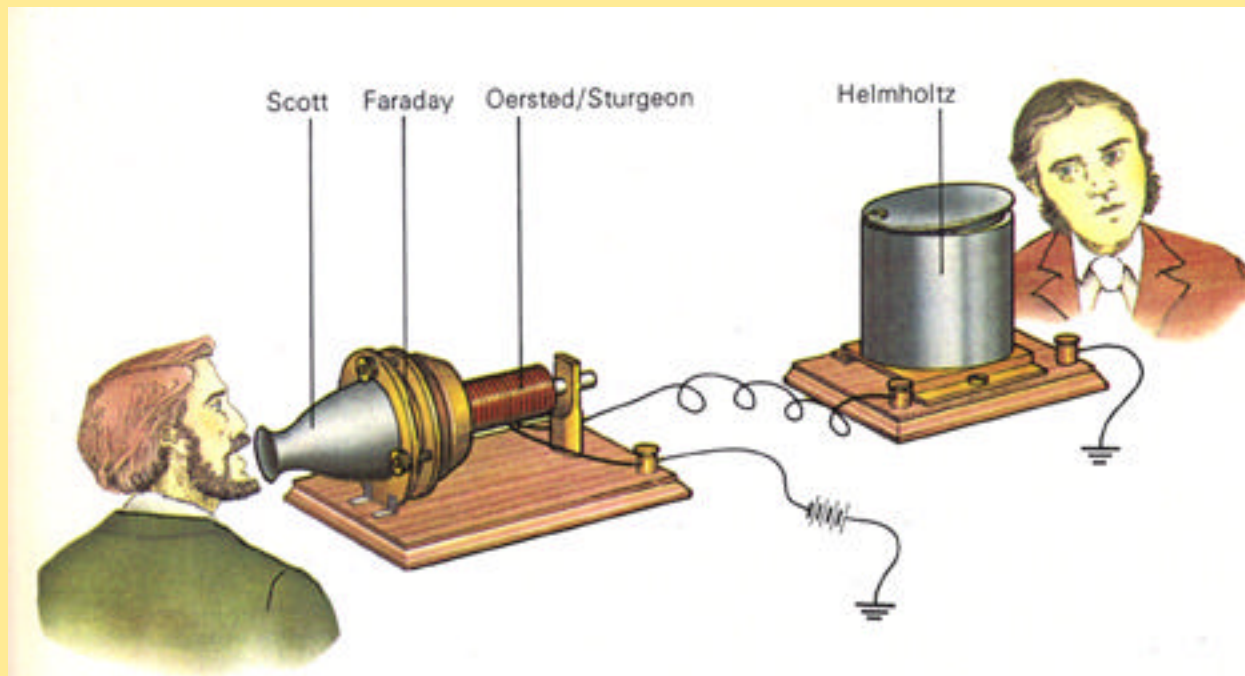
Past

Present

Future

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## First Telephone



# Chains of Transition

Past

Present

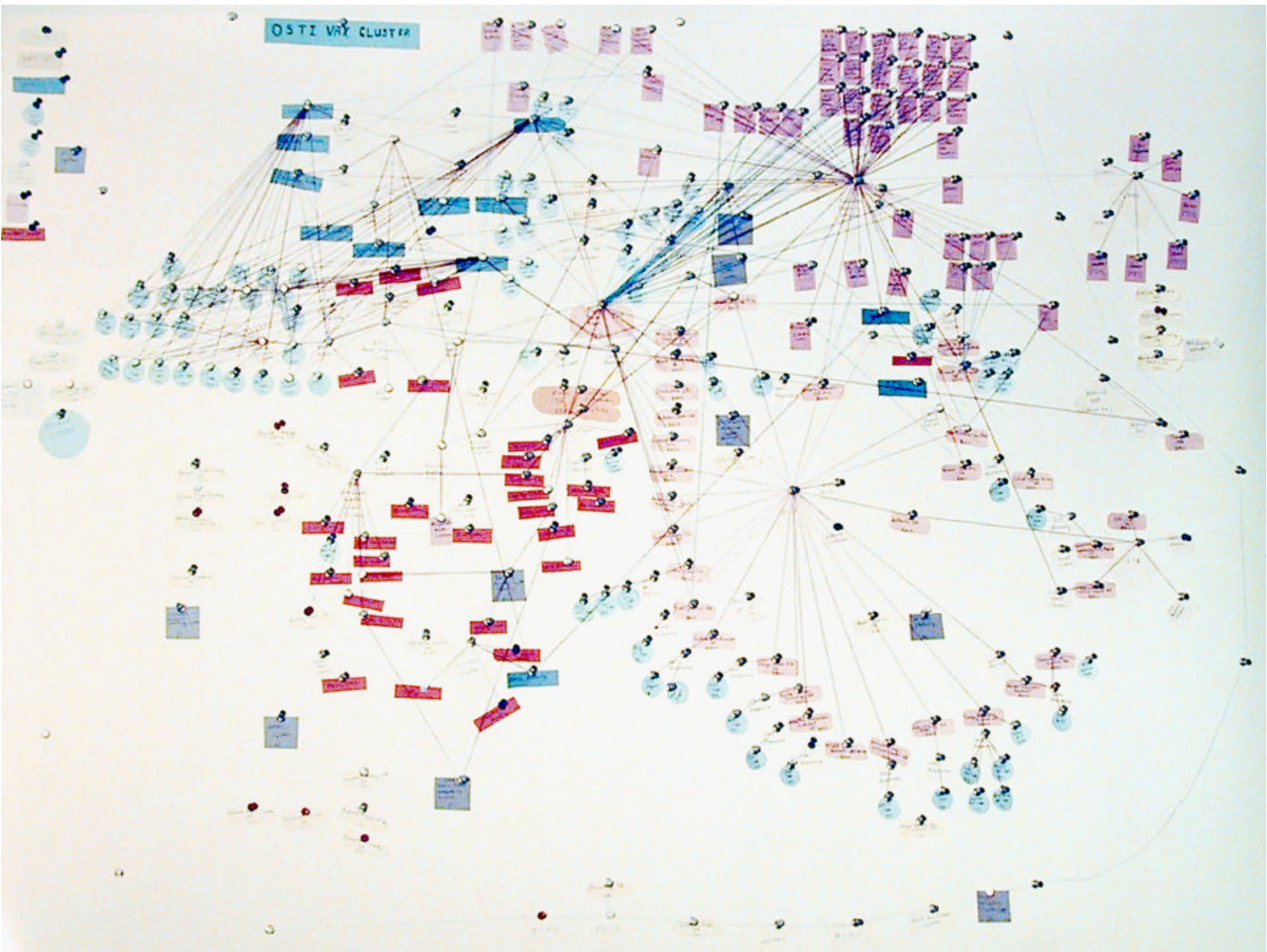
Future

DOE Scientific and Technical Information Program

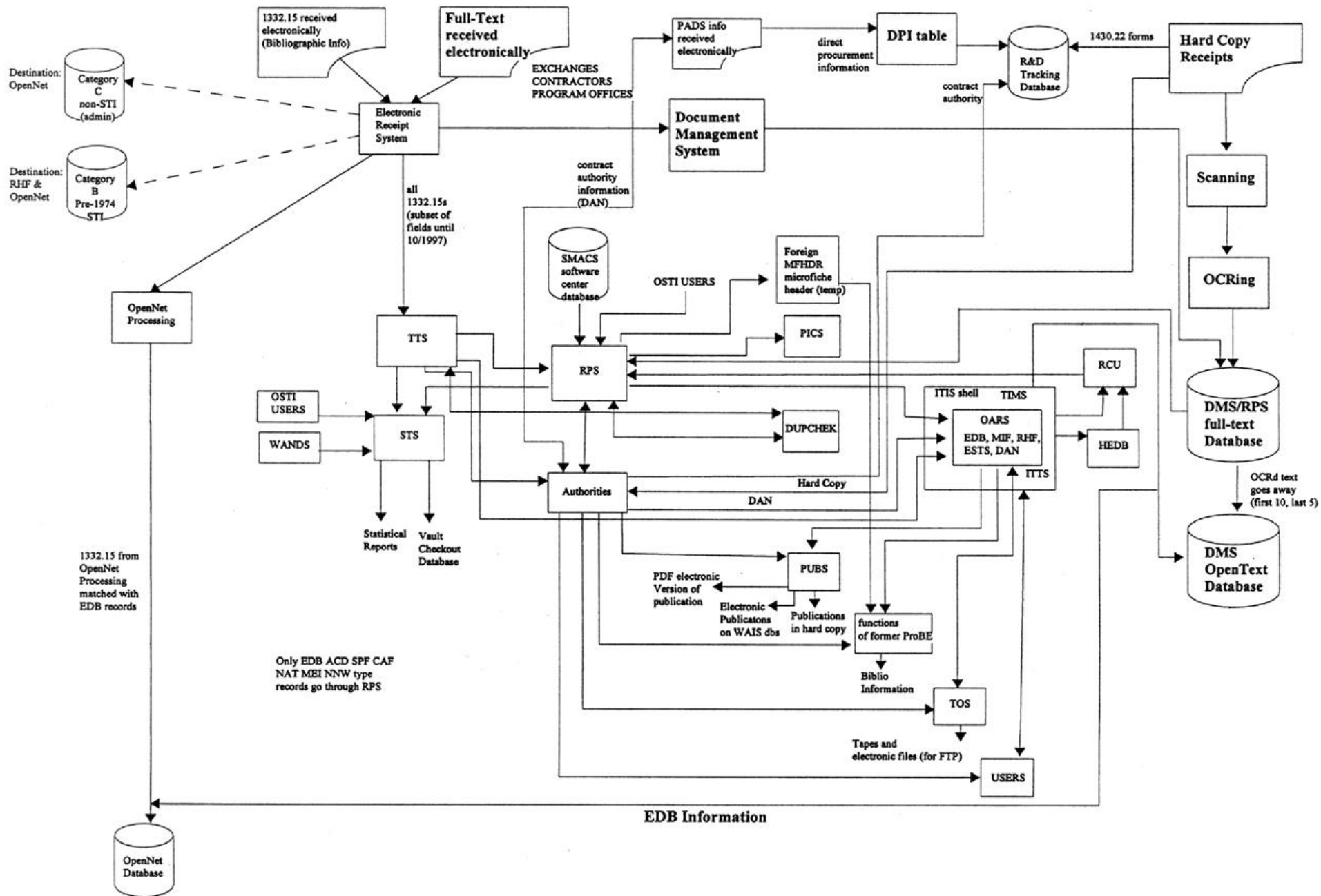




OSTI VAX CLUSTER



# OSTI PROCESSING (UNCLASSIFIED)



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## 25 Dublin Core Data Fields & Qualifiers

- PURL
- Title
- Creator/Author
- Publication Date
- Report Number(s)
- DOE Contract No.
- Other Numbers
- Resource Type
- Specific Type
- Resource Relation
- Coverage
- Research Organization
- Sponsoring Organization
- Subject
- Related Subject
- Description/Abstract
- Publisher
- Country
- Language
- Format
- Rights
- Source
- Availability
- OSTI Identifier
- System Entry Date



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## DOE Scientific and Technical Information Program

The screenshot shows a Netscape browser window displaying the Department of Energy Home Page. The browser title is "Department of Energy Home Page - Netscape". The address bar is empty. The main content area features a large graphic with the text "UNITED STATES DEPARTMENT OF ENERGY" where the letters "ENERGY" are filled with an American flag pattern. Below the graphic are several links with icons:

- About The Department of Energy** (Learn about the Secretary of Energy and the Department's mission, plans, organizational structure, and [accomplishments.](#))
- Departmental Resources** (Look for information across the Department, connect to other Home Pages, or search for [DOE Scientific and Technical Information.](#))
- Department of Energy News and Hot Topics** (Information of current interest such as notices of upcoming public meetings, Secretary of Energy speeches and correspondence, [Technology Partnership Opportunities](#), [DOE Orders](#), [R&D Activities](#), training, etc.)
- What's New on the Department's Network** (Announcements of new home pages, databases, etc.)
- People, Places and Organizations** (Telephone and contact information from across the Department and other organizational information.)

At the top right of the content area, there is a button labeled "Search Home Page contents". The browser's status bar at the bottom shows "Document: Done" and the system tray includes the Start button, taskbar, and system clock showing 2:58 PM.

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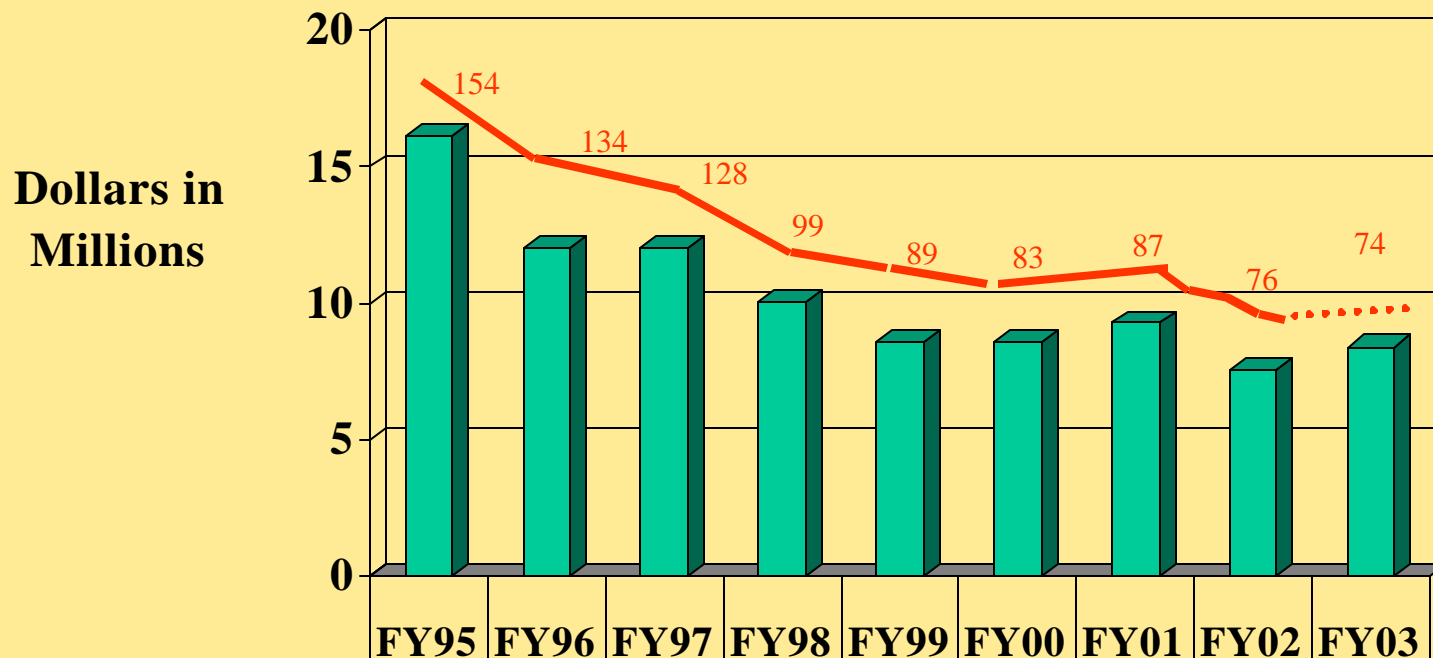


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## OSTI Resource Summary



■ Appropriated Dollars	16.1	12	12	10.1	8.6	8.6	9.3	7.6	8.4
— Federal Employees	154	134	128	99	89	83	87	76	74

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Energy  
Citations  
Database

EnergyFiles

Distributed searching across 500 heterogeneous  
databases and Web sites

SCIENCE

Journal access

Information  
Bridge

Full-text reports

PrePRINT  
Network

Preprint Literature

Federal R&D  
Project Summaries

GrayLIT  
Network

Federal gray literature

DOE R&D Accomplishments

Outcomes of  
past research

Research  
Development  
Project Summaries

R&D projects

OPEN  
Declassified  
information

subject  
Portals  
Subject Specific  
Information

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## DOE Scientific and Technical Information Program

Energy Citations Database [ECD] Home Page - Netscape

File Edit View Go Communicator Help

Bookmarks Location: <http://www.osti.gov/energycitations/> What's Related

Home About What's New Basic Search Advanced Search




1948 - Present  
**Energy Citations Database**

Help Full-Text Availability Security/Disclaimers Comments

DOE Information Bridge EnergyFiles GPO Home OSTI Home energy.gov

**Welcome to the Energy Citations Database (1948 – Present) Web site.** The **Energy Citations Database (ECD)** is designed and developed by the U.S. Department of Energy (DOE) Office of Scientific and Technical Information (OSTI) with the science-attentive citizen in mind. Its creation is consistent with OSTI's objective to provide easier and faster access to the Department's scientific and technical information. **Energy Citations** is publicly available without charge to users.

**Agency Information**

    
AEC ERDA DOE

**Energy Citations** contains bibliographic records for energy and energy-related scientific and technical information from the Department of Energy (DOE) and its predecessor agencies, the Energy Research & Development Administration (ERDA) and the Atomic Energy Commission (AEC). The Database provides access to DOE publicly available citations from 1948 through the present, with continued growth through regular updates.

**Energy Citations** includes bibliographic records of literature in disciplines of interest to DOE such as chemistry, physics, materials, environmental science, geology, engineering, mathematics, climatology, oceanography, computer science and related disciplines. It includes citations to report literature, conference papers, journal articles, books, dissertations, and patents.

DOE OSTI makes this Web site available to the public in partnership with the [Government Printing Office \(GPO\)](#) through

Document: Done

Start | [Icons] | 1:04 PM

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## Energy Citations Database Comment from March 7, 2002

Hi,

I just used this database for the first time and I am very impressed. I am looking for two Argonne documents from the late 1940s and early 1950s, and even though I did not find the full text, this database provided me with two complete citations. In my opinion, the search page is very easy to use and I like all the information in the bibliographic citation. Please keep up the good work and I will be totally impressed when the full-text is available for these older documents as well, but I'll take what I can get for now!

Thanks,

Kim Sutton

SLAC Reference Librarian

ksutton@slac.stanford.edu

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Past

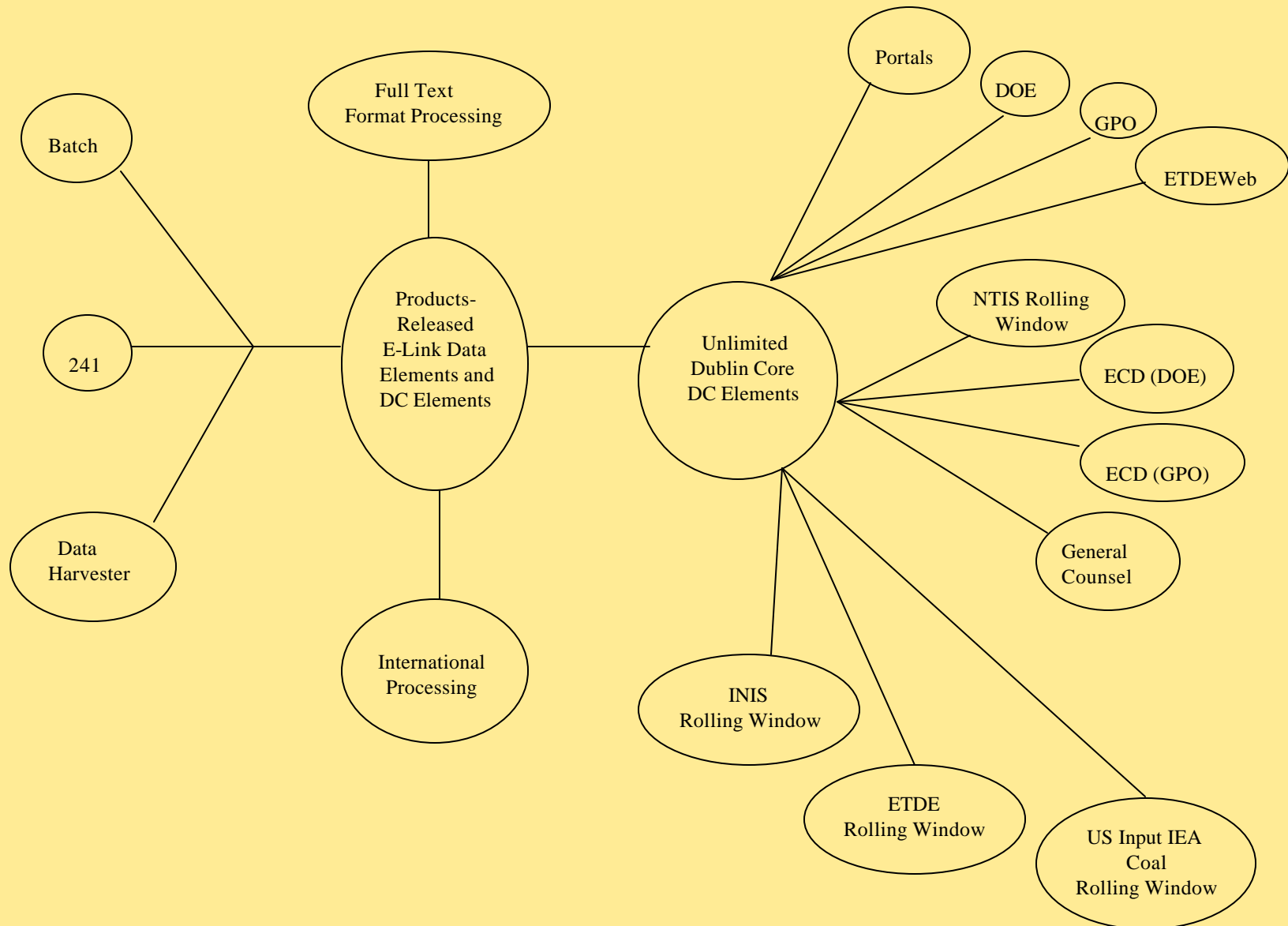
Present

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# Harvesting Diagram







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**Mathematics**

**\*Physics**

**Chemistry &  
Chemical  
Engineering**

**\*Biomedical  
Sciences**

**\*Environmental  
Sciences**

**\*Earth Sciences**

ETDE/PUB--2(Rev.2)

(DE97009551)

## **INTERNATIONAL ENERGY**

**Subject Thesaurus**

**1997**

**I  
E  
A** ENERGY  
TECHNOLOGY  
DATA  
EXCHANGE

**\*Geography**

**Engineering &  
Technology**

**Economics**

**Management**

**Law**

**National  
Defense/Military**

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**“Ultimately, information technology is power, and power belongs to those who have information... Until now, all tools have brought about a concentration of power... What the Internet does in a sense is to create a medium in which ordinary people can express themselves...and use information and therefore wield power.”**

**James Burke**

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**DOE Scientific and Technical Information Program**

<b>Area of Concern</b>	<b>1987</b>	<b>2002</b>
<b>Information Access/Transfer</b>	<b>Online Database, Paper, Microfiche</b>	<b>Web</b>
<b>Information Architecture</b>	<b>Hierarchical</b>	<b>Relational</b>
<b>Data Fields</b>	<b>147</b>	<b>25</b>
<b>People Accessing Information</b>	<b>Thousands</b>	<b>Millions</b>
<b>Cost per Transaction</b>	<b>\$40</b>	<b>\$1.50</b>
<b>Budget</b>	<b>15 Million</b>	<b>8 Million</b>

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Area of Concern	1987	2002
Staff	175	74
Information Collection	Paper	Electronic
Collection Coverage Electronic	1974 to Present	1948 to Present
Harvesting	N/A	Field Testing
Currency of Information	24 Months	Days
Thesaurus	40,000 words	Organized by Broad Subjects
Information Availability	Push for Access	Concern about Access



U.S. Department of Energy

*"To help ensure  
our energy future"*

Technical Information Center  
Oak Ridge, Tennessee

**DOE RECON**  
ENERGY  
DATA BASE  
Level S

# Chains of Transition



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We count on our valued colleagues in the STIP community to continue to work with us as we embrace these positive changes for the future.



Much of the progress we have made in setting the stage for the 21<sup>st</sup> century has been done with you as partners in the process. Working together, we can continue to progress and jointly confront these “Chains of Transition...”

