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

Tapping the Information Age to Fuel the Science Mission

Chuck Morgan, Deputy Director/Manager
Office of Scientific and Technical Information
Nov. 9, 1999

U.S. Department of Energy
Office of Scientific and Technical Information
Scientific and Technical Information Program
"A Complex-Wide Collaboration to Lead DOE in the Information Age"

www .doe.gov

www .osti.gov

EnergyFiles
Virtual Library of Energy Science and Technology

Distributed searching across 500 heterogeneous databases and Web sites

www.osti.gov/EnergyFiles/

PUBSCIENCE
Version 1.0

Searching across peer-reviewed journal literature of major publishers with hyperlinks to full text

www.osti.gov/pubsci/

DOE Information Bridge
Millions of full-text searchable pages of DOE report literature

www.osti.gov/bridge/

Research Development Project Summaries
Digital access to active DOE R&D projects

www.osti.gov/rnd/

Electronic Current Awareness Publications (ECAPS)


Subject-specific citations from a variety of sources with abstracts and full text, when available

www.osti.gov/ecaps/

DOE R&D Accomplishments Database
Outcome of past DOE R&D that has had significant economic impact, improved people's lives, or been widely recognized as a remarkable advance in science

www.osti.gov/accomplishments/

"For science to rapidly advance at the frontiers, it must be open. And shared knowledge is the enabler of scientific progress."

U.S. Secretary of Energy Bill Richardson
Fermi Awards Presentation
Washington, D.C.
April 16, 1999

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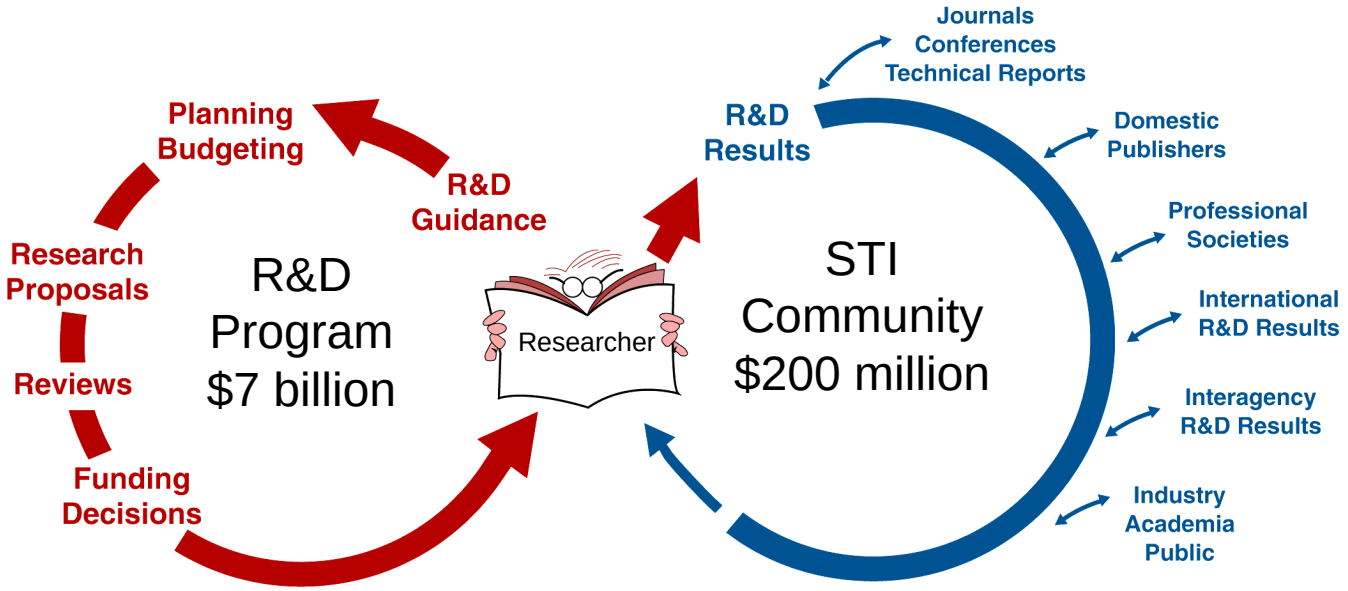
Our Mission: Supporting the Science Mission

- Department of Energy invests $7 billion annually in R&D
- Principal output from R&D is scientific and technical information
- Scientific and technical information (recorded in journals or reports) serves the science mission and researcher needs
- Using Information Age technology, **STI is reaching more people—at a lower cost per person served**



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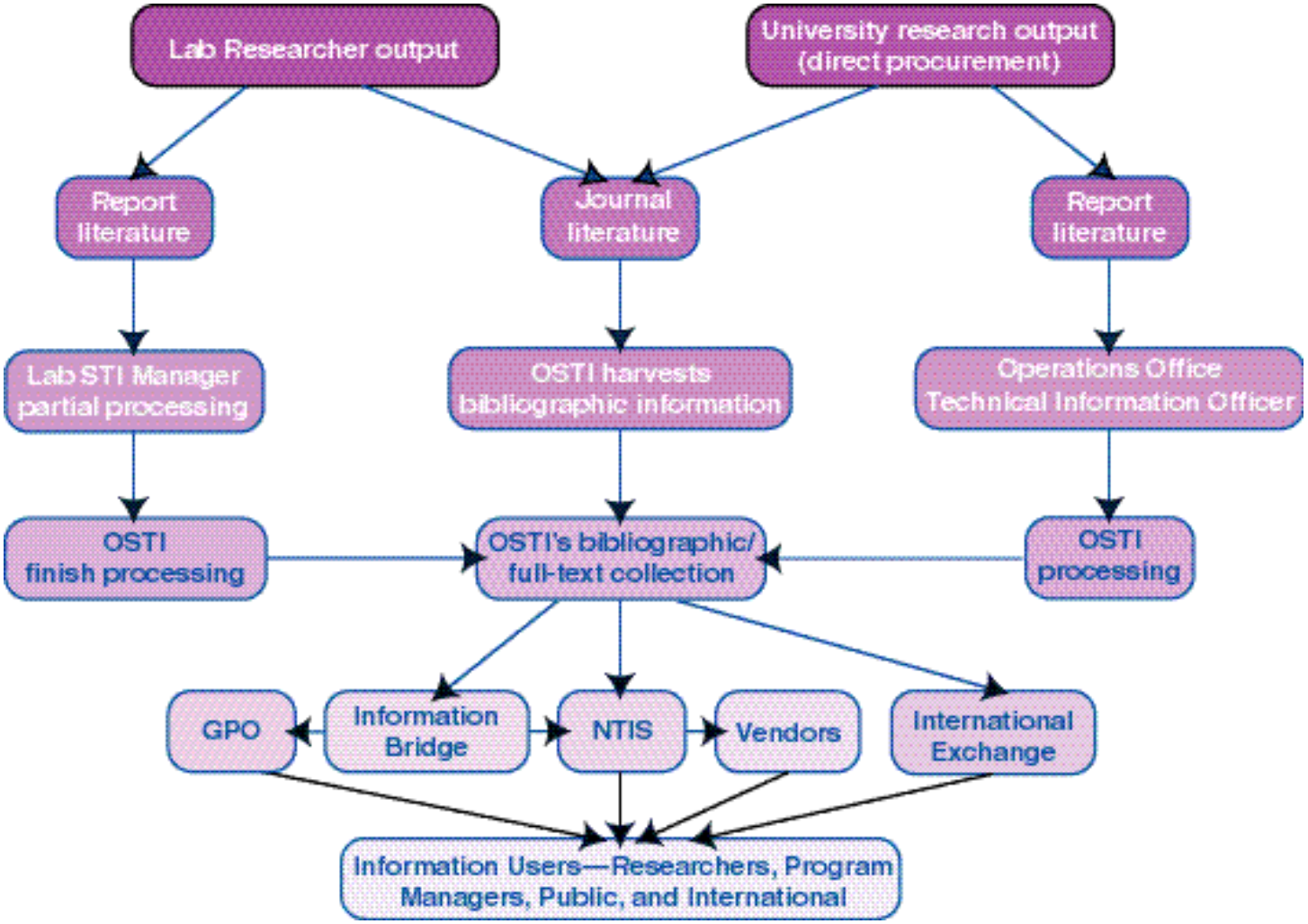
Information Flow



International Science Results

- OSTI acquires 80,000 summaries of foreign research results per year from the Energy Technology Data Exchange (ETDE) and the International Nuclear Information System (INIS)
- OSTI is working to bring full-text capability to these sources of information
- OSTI is the U.S. Representative/Liaison for ETDE and INIS, serving on the ETDE Executive Committee and as the U.S. INIS Liaison Officer
- Energy Secretary Richardson has repeatedly acknowledged the importance of international cooperation and the global nature of the energy situation: “The international aspect of our work at the Department of Energy is a high priority for me.”

http://www.iaea.or.at/programmes/inis/inis.htm

http://www.etde.org

www.doe.gov

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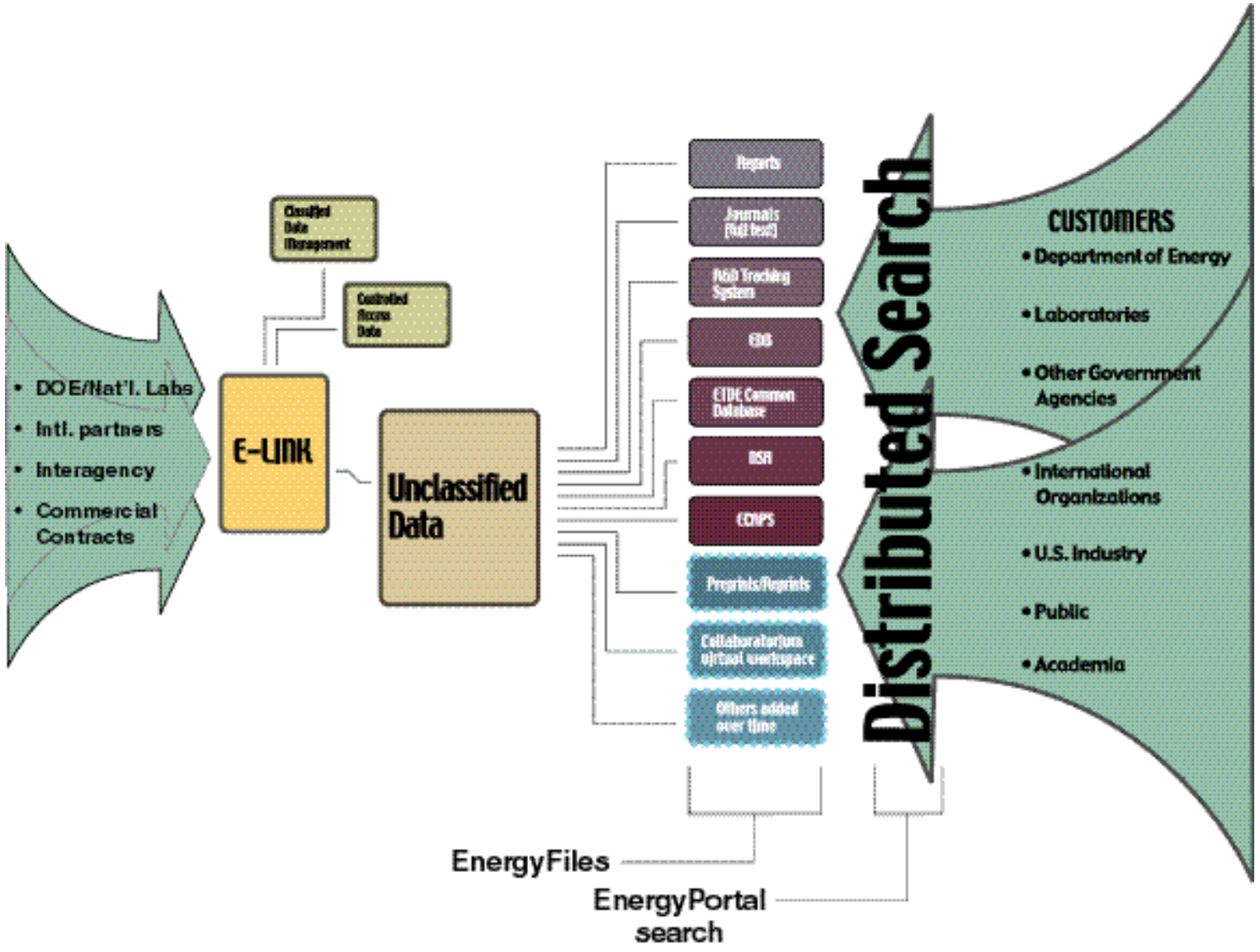

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EnergyFiles: Virtual Library of Energy Science and Technology

Where We're Going

Legacy Information in InfoBridge

OSTI is collaborating with DOE National Laboratories and research facilities to populate the DOE Information Bridge Web site with their legacy information. Through these and new collaborations, it is hoped that this web site will ultimately offer a comprehensive collection of legacy reports back to the Manhattan Project. Laboratories currently providing digital legacy for inclusion in the system include the Fermi National Accelerator Laboratory (Fermilab), Los Alamos National Laboratory and Amarillo National Resource Center for Plutonium. Additionally, individual legacy information is being added upon request by the DOE community.

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R&D Accomplishments

(http://www.doe.gov/accomplishments)

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DOE SCIENCE

- Revolutionary approach to access peer reviewed scientific journal articles in physical sciences and other disciplines of concern to DOE
- Agreements being implemented with journal publishers (currently 20)
- Distributed searching across multiple journal sources
- Searchable citations will link to full-text source
- Publicly available through GPO in October

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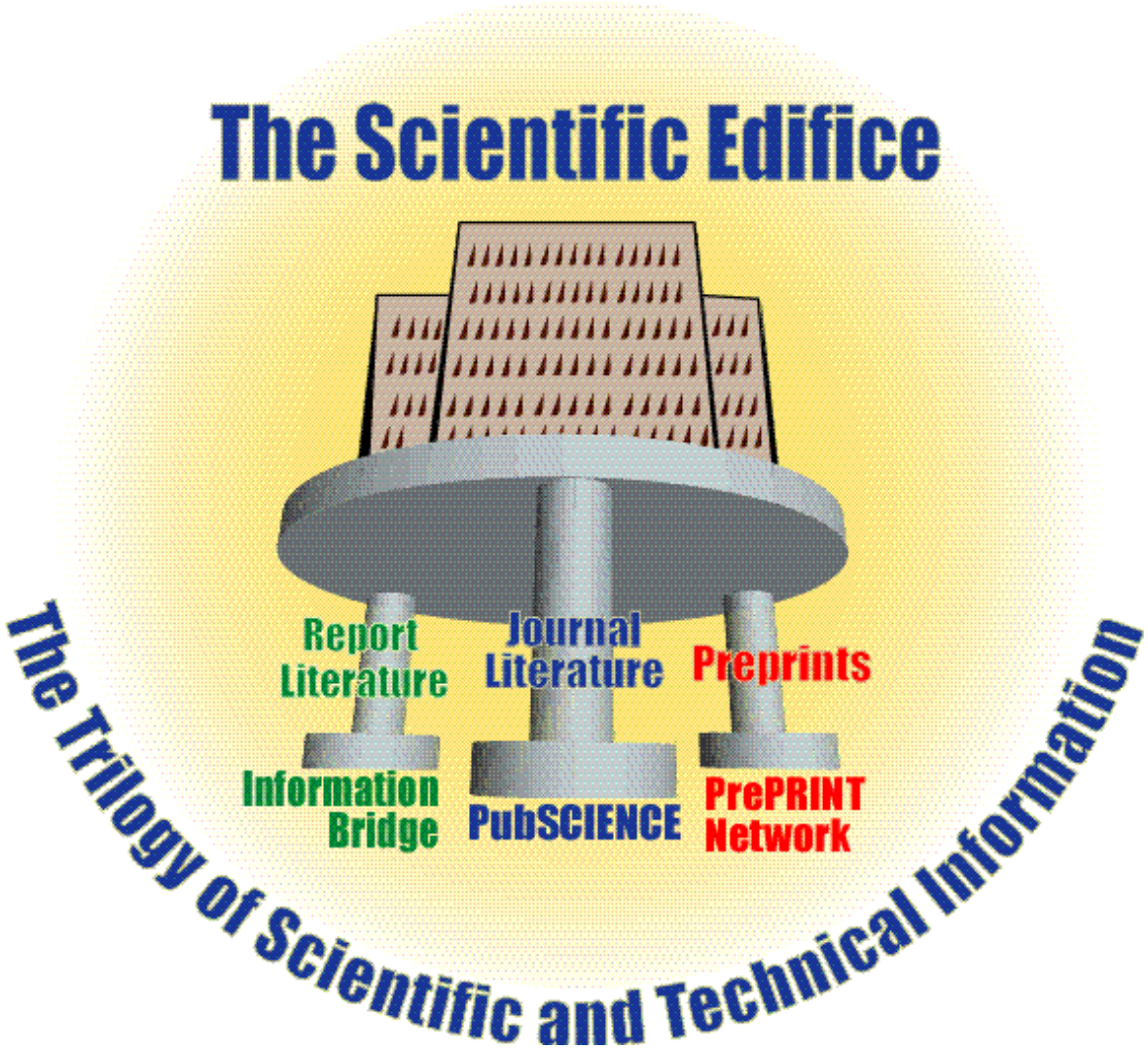

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