

# ***Database of Carbon Sequestration R&D Projects in the U.S.***



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# ***Rapid growth in R&D projects***

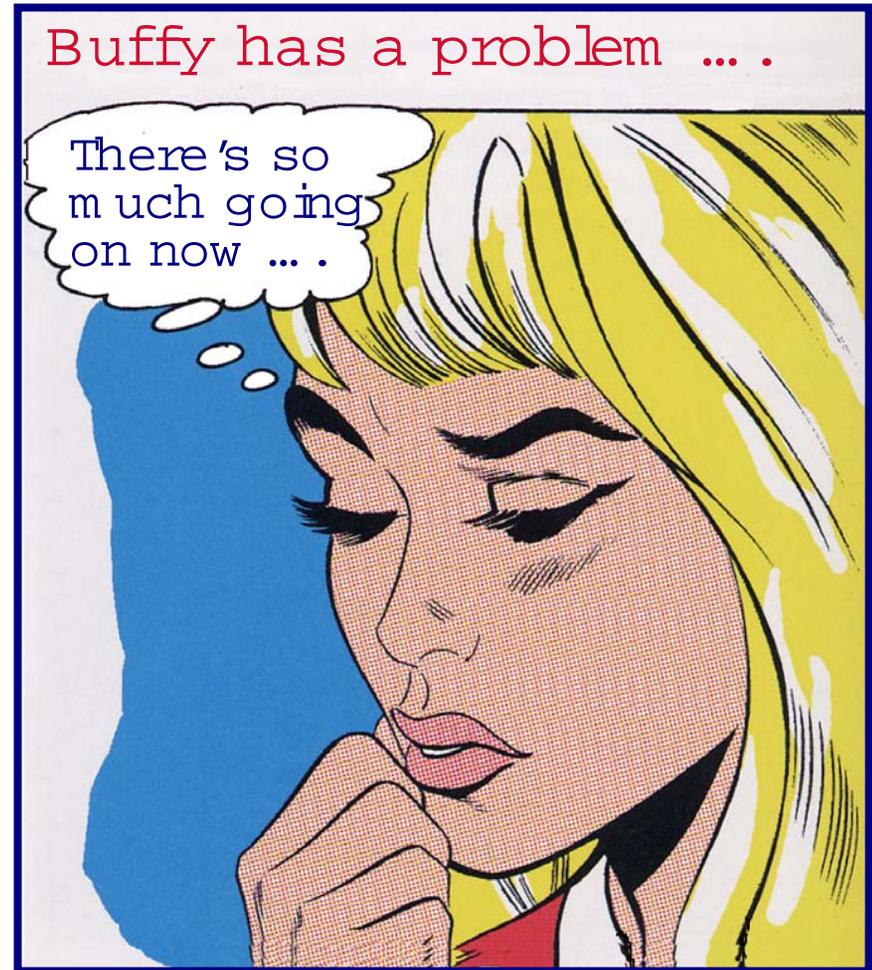
DOE's carbon seq. program is managed by the Office of Fossil Energy, and implemented by NETL

Strong focus on public/private partnerships

- industry
- academia
- state & local governments
- international entities

Other efforts underway

- DOE Office of Science
- other Federal agencies
- international efforts
- private sector efforts





# ***Issue: Is information well-shared?***

Buffy felt so very alone...

There must be others out there ...  
But where are they??

No single clearinghouse for all project information

Some valuable research not well-known

loss of synergy?

delays in R&D advances?

limited outreach among stakeholders?

**QUESTION:** Can a reasonably comprehensive, well-organized, web-accessible database facilitate communication among the research community and other stakeholders?



## ***3 primary sources of data to draw from***

**FRED**: DOE/FE's Fossil  
Research and  
Engineering Database

**OSTI**: DOE's Office of  
Scientific and Technical  
Information

**RaDiUS**: RAND's  
Research and  
Development in the  
United States

*plus .... other websites,  
news releases, etc.*





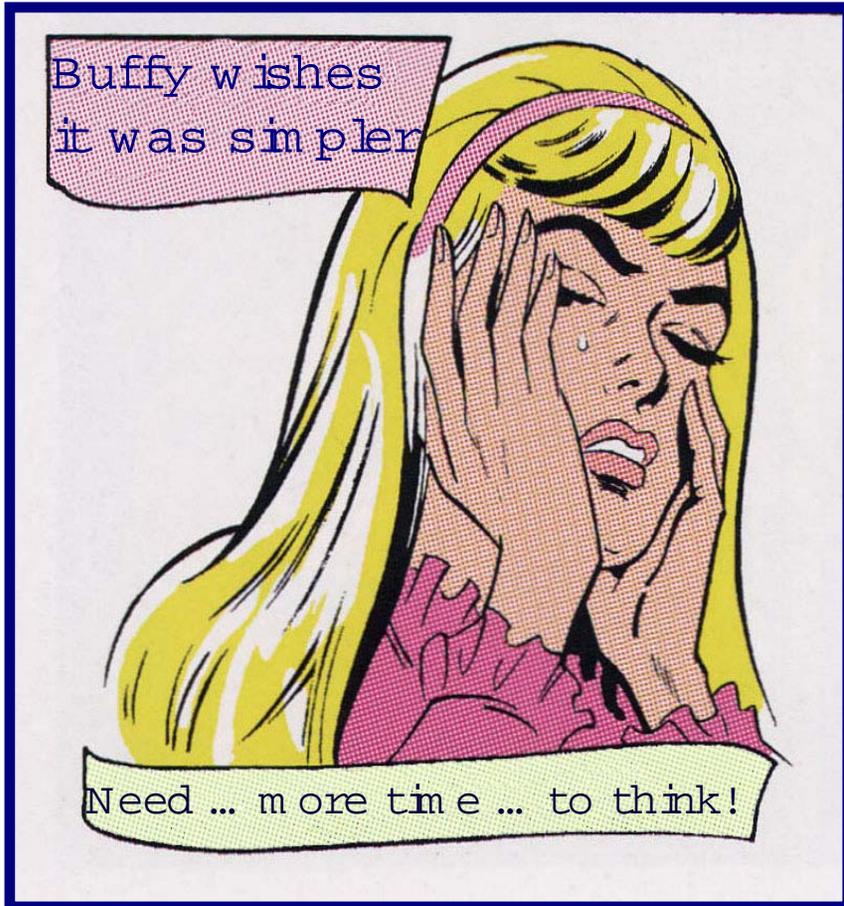
# Each database has strengths and weaknesses

<b>Data Source</b>	<b>Breadth</b>	<b>Depth</b>	<b>Timing</b>
<b>FRED</b>	DOE/FE only	Most detailed	Quarterly
<b>OSTI</b>	DOE-wide	Moderately detailed	Annually or better
<b>RaDiUS</b>	All Federal gov.	Least detailed	Mostly annually





# ***Finding the “relevant” projects***



“Carbon Sequestration”  
often not clear-cut

Carbon sequestration vs.  
general climate change

Relevant research  
sometimes classified  
differently

Project descriptions  
sometimes inadequate

Limits to ability of  
automated processes

For each data source:

Screen for key words

Review project descriptions



# Selecting and organizing projects

Projects:	<u>screened</u>	<u>selected</u>
<i>FRED</i>	250	101
<i>OSTI</i>	695	130
<i>RaDiUS</i>	6,039	226
<i>Misc. Docs.</i>	--	20
<i>Websites</i>	--	45

## Projects organized for web access

summary tables

separate project descriptions

XL data files for downloading

Dedicated website:  
[carbonsequestration.us/](http://carbonsequestration.us/)



At last! Now  
it seems so  
clear to me!



# Go to the Database "Home Page"

[carbonsequestration.us/](http://carbonsequestration.us/)

**carbonsequestration.us**

Welcome to **carbonsequestration.us!** This website is a reference site for researchers interested in carbon sequestration R&D and related activities. Your comments and suggestions are invited.

CONTENTS:

<a href="#">Carbon Sequestration Database</a>	This database presents information on hundreds of R&D projects related to carbon sequestration. Projects are funded by U.S. Department of Energy and other federal agencies. Also included in this database are links and archival copies of related websites and news announcements.
<a href="#">Papers, Reports, and Presentations</a>	A set of links to key papers, reports, workshop proceedings, and presentations on carbon sequestration.

COMMENTS

Site maintained by ...  
Last Updated ...

http://carbonsequestration.us/carbon/Table-of-Contents.htm

**Carbon Sequestration Project Database** *(what is this?)*

<a href="#">FRED</a> <small>(click to browse summary)</small>	DOE Fossil Energy projects (25-Feb-2003 data)	101 projects <small>(click <a href="#">here</a> for background)</small>	<a href="#">Download as Excel file</a>
<a href="#">OSTI</a> <small>(click to browse summary)</small>	DOE-wide project data (FY2002)	130 projects <small>(click <a href="#">here</a> for background) (browse 257 2001 projects)</small>	Download 2002 or 2001 as Excel file
<a href="#">RaDiUS</a> <small>(click to browse summary)</small>	U.S. Gov.-wide data (through FY2001)	226 projects <small>(click <a href="#">here</a> for background)</small>	<a href="#">Download as Excel file</a>
<a href="#">Other C Sequestration Websites</a> <small>(click <a href="#">here</a> for background)</small>		<a href="#">Other News &amp; Projects</a> <small>(click <a href="#">here</a> for background)</small>	





# Concluding thoughts

Sequestration R&D still in infancy

# of projects growing rapidly

Researchers not all well-connected

R&D “breakthroughs” often result from combining old info in new ways

Finding “what’s out there” is often difficult

Better communication leads to more rapid advances

Please browse our database!

**[carbonsequestration.us/](http://carbonsequestration.us/)**

Let us know what you think:

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