

## Search for an engineering subject

**TOPIC:** When it comes to finding comprehensive and timely information in the fields of science and technology, ProQuest Dialog™ offers a broad spectrum of databases.

The four databases on ProQuest Dialog that have the broadest coverage of engineering and technology are [Ei Compendex®](#), [Inspec®](#), [SciSearch®: A Cited Reference Science Database](#), and [NTIS: National Technical Information Service](#). Ei Compendex, the premier Engineering bibliographic database, covers civil, mechanical, chemical, electrical and mining engineering. In total this database covers 190 engineering disciplines. Inspec, produced by the Institution of Engineering and Technology (IET), specializes in electrical engineering, computer science and physical sciences and now includes patents and cited references. SciSearch covers all areas of science and its strengths are cited references and international coverage. NTIS is a government-funded database for technical reports emanating from US and selected other government agencies, universities and research centers. It covers more than 350 subject areas. Since each database has its unique strengths, focus and journal coverage, it gives you an advantage to search them together. A look at titles after removing duplicates reveals the importance and the ease of searching several files at once on ProQuest Dialog.

Recent studies describe how fiber reinforced plastics are used to lighten vehicles of all types and thereby reduce fuel consumption and greenhouse gas emissions. This has an impact both on air pollution and energy costs.

In this example, you will find recent articles in the scientific literature on using these materials to decrease the environmental impact of fuels used in vehicles of all types. You will search the four core engineering databases, view titles and select relevant records.

### COMMAND SUMMARY

**Databases:** Ei Compendex, Inspec, NTIS, SciSearch

#### Search Strategy:

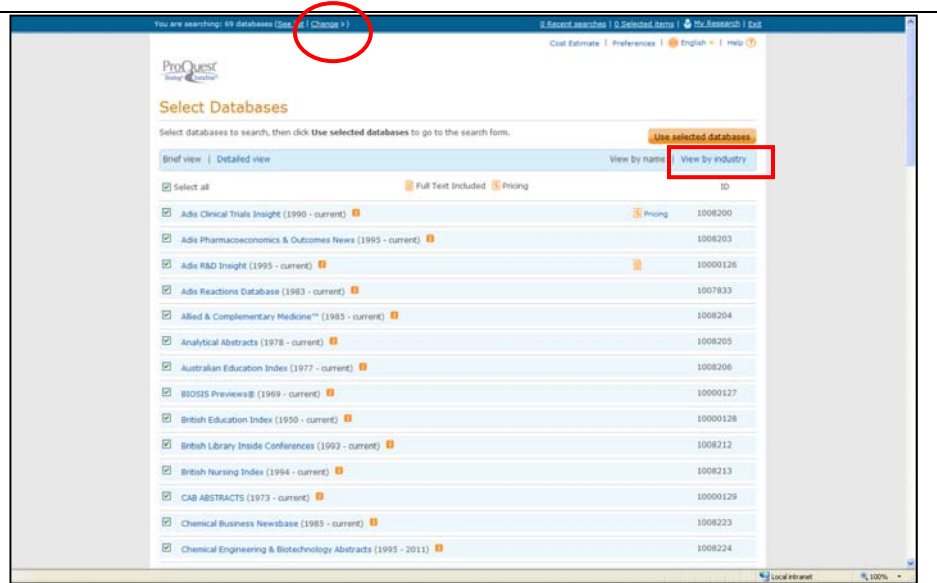
- Enter fiber reinforced plastic
- Enter AND fuel consumption or greenhouse gas
- Narrow by publication dates
- Click **Search**
- Preview records and select records to view.

## SOLUTION – ADVANCED SEARCH

1. Click **Change** at the top of the screen.

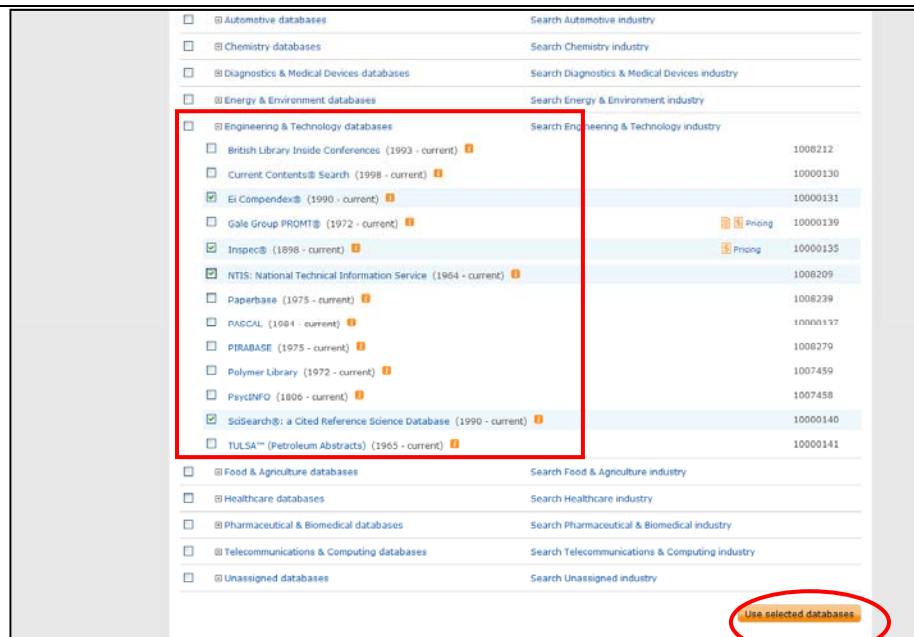
Click **Select all** to remove all checks from the screen.

Click **view by industry**.

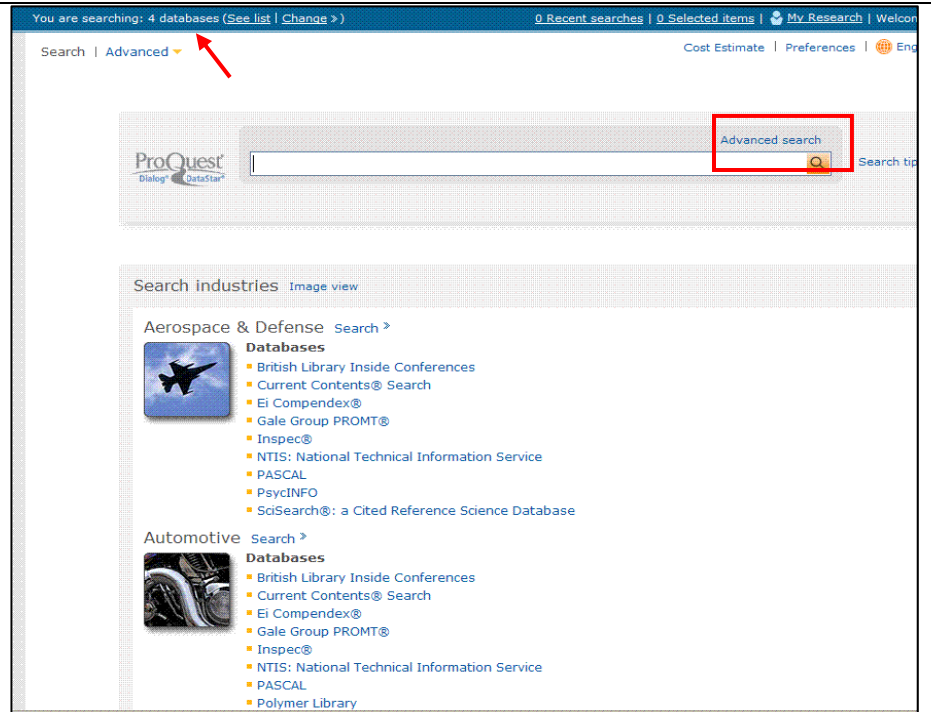


2. Click the plus sign next to Engineering & Technology databases and check off the boxes for Ei Compendex, Inspec, SciSearch and NTIS.

Press **Use selected databases** to begin the four key engineering databases.



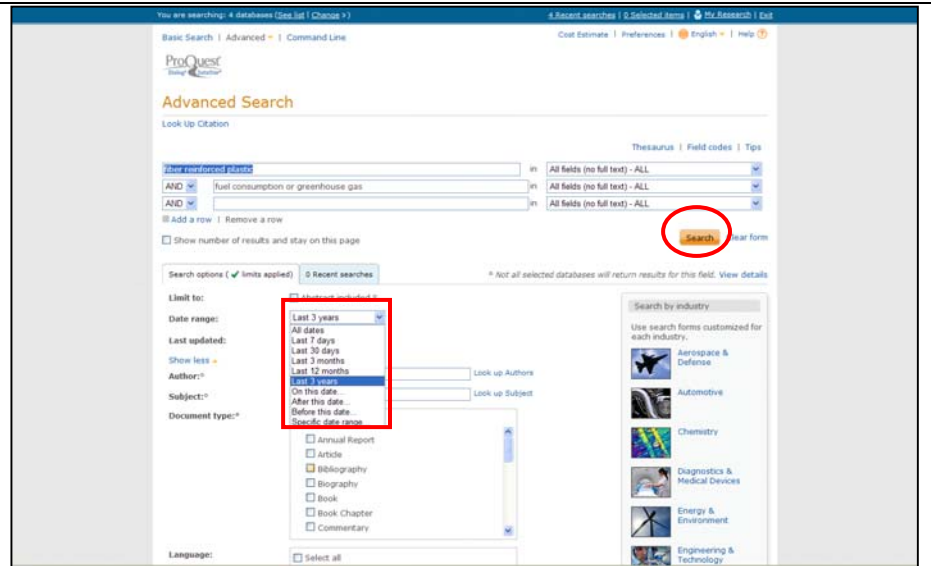
3. The navigator line now shows you are in 4 databases. Click **Advanced search** to get to the **Advanced Search** form.



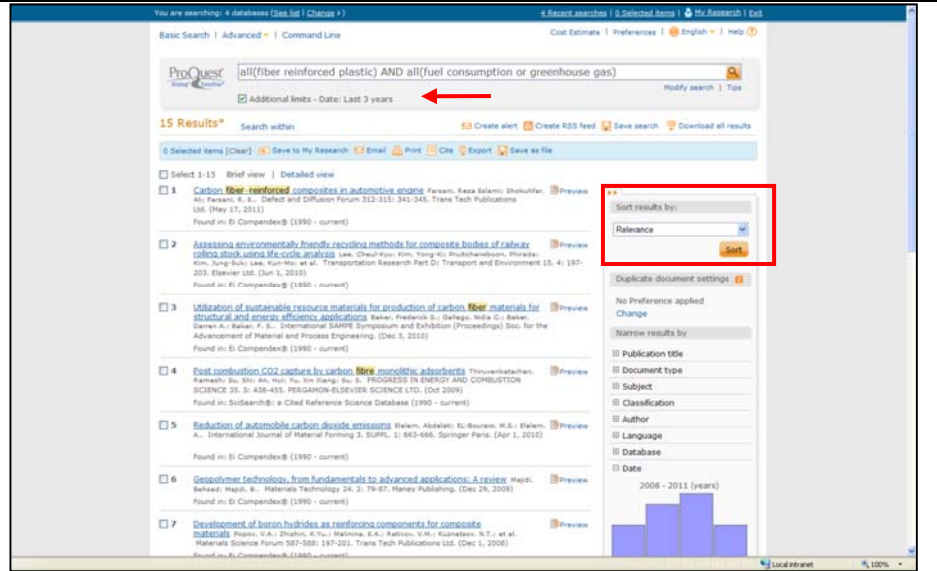
4. Enter search terms in the query boxes. There are three rows and you can add more rows if needed. Each line provides a drop-down fields list. This search is a general search across the four databases, taking the default AND operator to combine concepts.

Use the **Date Range** limiter to restrict the search to articles published in the last three years.

Press **Search**.



5. Results return showing the search strategy and additional limits entered in the query. Records are sorted by relevance (default). Use the drop-down menu to sort by other options, including by date (most recent first).



6. You can use **Narrow results by** navigators to refine your search. For example, click on the plus sign beside **Document type** to expand the available options. Click on **More options** to view a list and limit to or exclude one or more Document types in your results set.

If you wish to further limit the publication date range of your results, use the **Date slider** feature that appears at the bottom of the navigator options.

