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## DANISCO

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Danisco is one of the world's leading producers of ingredients for food and other consumer products.

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## INDUSTRY

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Food Ingredients

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## SOLUTION

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ScioSphere Patent

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## RESULT

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- Time used reduces by factor of 34
- Higher accuracy of analysis results
- Analysis easy to conduct

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Read more on [www.danisco.com](http://www.danisco.com)

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# Danisco

## Customer Profile

Danisco is one of the world's leading producers of ingredients for food and other consumer products. Founded in 1989, Danisco has grown to 9,700 employees in 47 countries with annual revenues of approximately US\$4 billion as of May 2007. Danisco supplies manufacturers with food ingredients, sugar, and industrial bioproducts, which are used in about every second ice cream and cheese, every third box of detergent, and every fourth loaf of bread produced globally.

A considerable proportion of the company's employees are engaged in research and development of new and more consumer-friendly products for the international food industry. Today, the company holds more than 2,000 active patents and patent applications.

## Business Challenge

Danisco relies heavily on extensive research to find new ways to use enzymes, a key element of the company's product line. Danisco subscribes to search databases for patents and scientific research. Literature reviews require exploring vast amounts of reports, patents, and other material for relevant information. To increase the efficiency of the library research function and help their research employees reduce the amount of time needed to find relevant information, the company implemented the ScioSphere® online document analysis tool in 2006.

## The ScioSphere Solution

ScioSphere is an online analytical tool that makes it possible to analyze hundreds or even thousands of documents simultaneously. ScioSphere provides a unique, optimized workflow for analyzing text, enabling the analyst to quickly identify what is relevant and what is trivial information.

Based on its patent-pending core technology, ScioSphere enables analyst to process far more information faster than they could ever read it. This tool frees up time and mental effort so analyst can focus on the actual analysis. Simultaneously, ScioSphere enables the expansion of the scope of analysis and ensures consistent processing of the materials.

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## ABOUT SCIOSPHERE

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ScioSphere is a global provider of text analysis tools ensuring productive analyzing processes reducing analysis time by 80-90%. ScioSphere processes and analyzes more documents faster than a human could ever read it improving quality of research results. As an online service, ScioSphere is available immediately and requires no up-front capital costs or maintenance.

Located in Copenhagen, ScioSphere is privately owned and financed by Vækstfonden. ScioSphere was established in June 2004 collaborating with two major Danish pharmaceutical companies.

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For more information visit  
[www.sciosphere.com](http://www.sciosphere.com)

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## The Result

On one case a Danisco initial database search for related material identified 1160 patents and literature references. Instead of reading through the abstracts and skimming the text of 1160 sources manually, ScioSphere's unique fact space matrix quickly revealed that 300 of the 1160 sources were potentially relevant.

By reading through only 250 sentences in these 300 sources, the research team ended up with 32 relevant patents and two articles for a detailed study. This reduced the information needed for analysis to only 3% of the original 1160 sources, and the work was completed in half a day. The equivalent analyses done manually would take 3-4 days to complete.

*"ScioSphere is a very useful tool that helps me keep track of and utilize my knowledge, to analyze large sets of materials for articles and specific research projects more effectively, and to better re-use and expand my literature reviews by automatically reviewing existing literature in new contexts,"* states Jakob Broberg Kristensen with Danisco's Genencor Enzyme Development department.