



E-Merge techTM
Knowledge in Action

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White Paper on STM Database Services

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An ISO 9001:2008 Certified Company

Our CEO is a Member of SCIP, ESOMAR, AMA, PIUG, IEEE & LES

Information for Intelligence

The year 2009 marks the completion of two decades of World Wide Web (WWW). What began as a medium for sharing research findings, WWW has grown into a single largest entertainment source for today's fast paced world. With freedom of expression encouraged and acknowledged, WWW is flooded with information both 'informative' and 'trivial' every passing day. Retrieving 'informative' information from this 'Web Ocean' and retrieving the right one at the right time is proving to be the ultimate challenge. STM database creation services can provide you the answer.

STM database creation work focuses on the triple aspects namely dissemination, storage and retrieval of scientific, technology and medical journals in the electronic environment. Scholarly communication which involves both formal (examples include journals and books) and informal (pre-prints, conference presentations) components are influenced a great deal by technology and categorizing the communication on the basis of communication modes viz., one-to-one, one-to-many and many-to-many and then

further categorizing into oral and written provides a good way to analyze the potential impacts of technology on scholarly communication.

STM Services

STM database creation services include STM Content Creation, STM Data Extraction, STM Content Enhancement, STM Abstracting, STM Indexing, STM Database Management and Semantic Enrichment Services.

1. Content Creation

Percentage of online publications are increasing every day and online publication companies face the challenge of presenting 'Intelligent Content' to the readers that would derive traffic to their websites. The biggest challenge for any STM content service provider is to offer publishers the right content by assimilating and integrating massive content available in the online sources and delivering a solid and intelligent content for them. The content should be refreshing and should strictly avoid plagiarism.

2. Data Extraction

Extraction services help customers create exclusive and customized information products in diverse fields such as life sciences, organic chemistry, inorganic chemistry, patents and non-patent literatures. A patent document for example is a 'complete' document that includes all details including technical, bibliographic, legal and descriptive details of invention.

Extraction of data in an organized and as per requirements would facilitate broader analysis and help in the conversion of data into intelligence. STM providers normally develop in-house automated software tools that facilitate gathering information, assembling statistics for evolving business plans and collecting data that might find use in legal implications. Data extraction can help a company stay 'Current' to the happenings in the business and research fields.

3. Content Enhancement

STM Content Enhancement services include instructional methods that organize content in presentable and concise manner and check for data consistency, accuracy and correctness. These normally include services such as editorials for technical documents, check for language and grammar, check for plagiarism, proof-reading and creating reviews for products

and services. Content enhancement can add a lot and this is a gateway for content authentication and value addition. STM service providers bank on automated tools and human intelligence to render content enhancement services.

4. Abstraction

STM abstraction services provide concise summarization of STM literature to create summaries and abstracts. These may include providing summaries for research literatures and other documents. Abstraction may be done as an overview of a research, might be a summarization of research findings, abstract to explain the objective of the research and abstracts for content enrichment.

5. Indexing & Classification

Large databases and journals require content management and indexing and classification of articles and literatures can be used to achieve that. Information for intelligence is normally possible only if the information is available in an organized and retrievable manner or else picking the right information at the most appropriate time might be a nightmare. STM service providers adopt a hybrid method of automating and relying on human intervention for indexing and classifying information.

6. Database Management

STM database management services offer the creation and maintenance of content database from legacy data and customized secondary research. Database management includes providing updated data in real-time, database integration, creating content for databases, monitoring of news and literature archives and maintenance of libraries.

7. Semantic Enrichment

Semantic Enrichment services focuses on capturing metadata information directly from the authors aligns the information with informatics data resources and deliver the content as part of the scientific literature. STM service providers focus on catering to the needs of librarians, researchers, data mining companies and ontologists. The conversion of metadata into information facilitates better information retrieval, better data mining and effective presentation.

About E-Merge tech

Based in Chennai, India, E-Merge tech offers offshore information and knowledge services to global customers. E-Merge tech's gamut of knowledge services includes STM Database Services, Intellectual Property Services, Competitive Intelligence Services, Market Research and KOL Services. The company is a registered private limited company under the Company's Act of India. It is also a registered export service provider under STPI, a Government of India regulation body. E-Merge tech is an ISO 9001:2008 certified organization.

Authored By



Process & Product Development Department

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