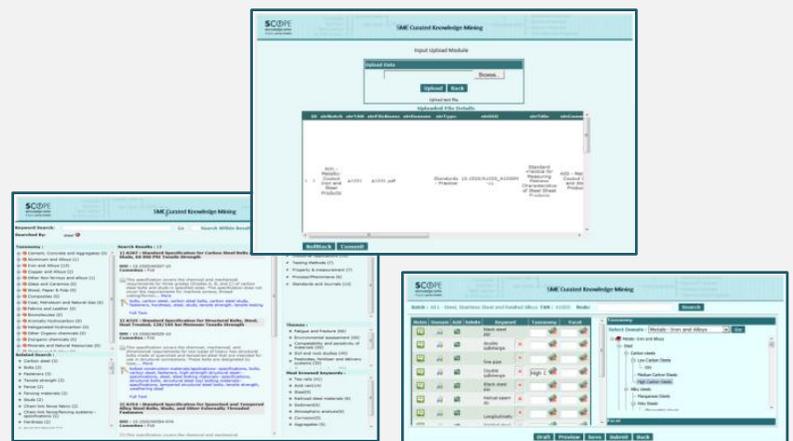


Scope is an award-winning provider of integrated data, content enhancement and intellectual property & business research services. Scope has over 25 years of experience in handling different kinds of content and information processing assignments in multiple domains, including engineering, physical sciences, technology, medicine, life sciences, and humanities. Each of Scope's clients benefit from its over two decades of experience and expertise in the information and research space, offering content development, repurposing, and enhancement services to the global information industry. Leveraging this experience, Scope has developed *diSCOver*™, a group of services that enable publishers and other information providers to enhance the discoverability of and search precision for its content. *diSCOver* employs Scope's proven "assisted automation" approach that blends proprietary automation technology with intervention from subject matter experts (SMEs) to create solutions for its clients.

## *diSCOver* Differentiators

- Ability to develop a solid knowledge framework for smart content using resources with rich subject matter expertise
- Experience in developing, maintaining and translating taxonomies, thesaurus and facets as per ANSI/ISO standards and for multilingual search
- Vast experience in providing high-quality content indexing services, using controlled vocabularies, through a combination of auto-indexing tools and SME curation
- Lower costs due to offshore SMEs
- Skills to enable conceptual search across domains through a judicious combination of taxonomy and facets for navigation and indexing
- A consultative approach to smart content development throughout the product development cycle



***diSCOver has the following service components:***

**Controlled vocabulary development and translation (taxonomy, ontology, thesaurus etc):** Scope can develop controlled vocabularies, either using a top-down approach (analyzing existing domain-specific knowledge resources for identifying top level concepts), or the bottom-up text mining approach (extract keywords from documents and cluster them into broader groups). In both the cases, SMEs are used to build out and validate hierarchies and relationships. Scope can deliver the controlled vocabulary terms in SKOS/RDF/XML format and also translate them to multiple non-English languages.

**Facets for cross domain search:** Facets and their hierarchies are developed by identifying broad-level concepts that could be applicable to multiple domains. These facets with hierarchies help in further drill down of concepts within a domain and also enable cross domain search.

**Indexing using controlled vocabularies:** Controlled vocabularies can be integrated into Scope's proprietary Abstracting and Indexing platform, *ConSClse™*, to extract terms in the document based on the controlled vocabulary. The relevance of the extracted terms to the document is ensured through logical rules embedded in the *ConSClse* platform with further SME curation for a very high level of indexing quality.

**Semantic indexing:** Semantic indexing and subject category indexing for patents and other scholarly literature, where documents are indexed for concepts and subjects rather than keywords. Scope also provides indexing of non-textual or multimedia objects including graphics, videos, chemical properties, reactions and structure indexing, pharmaceutical substances, genetic entities etc.

**Controlled vocabulary maintenance and re-indexing:** Scope can provide ongoing maintenance of controlled vocabularies using a combination of search logs, extensive research on the domain and SME input. Scope can also re-index documents to reflect updates to the controlled vocabulary.

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