

Scope, an award winning provider of outsourced, cost-effective content enhancement and knowledge services, has executed large-scale author data enhancement projects for major players in the global STM information industry. Scope has dealt with the key challenges of author data clean up and enhancement, including unstructured data input, different naming conventions, data variants, and other inconsistencies. Leveraging this experience and expertise in creating more than 30 million author database records from journal articles, conference proceedings and other documents, Scope has developed its author data enhancement solution, *AuthEntik™*.

AuthEntik Differentiators

- Clients can select any or all modules of *AuthEntik*: data parsing, validation, standardization and disambiguation
- Existing, well-developed repositories for standardizing author affiliation data (universities and other organisations, as well as cities, states/provinces and country names)
- Well-versed in the first name and surname conventions of different countries
- Experience in rapid processing of voluminous author records through its automated workflow tool
- Utilizes QC tools (a proprietary Global Check tool) and a variety of auto correction and semi-manual detection and correction tools
- Extensive web research capabilities to find missing data



AuthEntik has the following components:

Parsing: *AuthEntik's* data parsing module extracts author data from input documents, parses the data and enters the split values in relevant fields of the author database record based on SME input.

Validation: The parsed author data in the respective fields is validated with preset rules and in-built databases in the *AuthEntik* data validation engine. SME input is used to validate the other elements.

Standardisation: The standardization module isolates incorrect field names after comparing with standard names in pre-built databases. It enables running of partial or complete standardization rules and manual validation for errors that cannot be corrected automatically. The self-learning standardization module has built-in thesaurus, which are continuously updated based on automatic and manual corrections.

Disambiguation: The standardized author data is disambiguated to differentiate authors, based on an authors' last name, email, affiliation details and other available input. A unique Author ID can be assigned. The ID acts as a primary key to identify all the records of the author, including different affiliations, published literature etc.

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