Datasheet

Centralised ontology management tool for browsing and editing public and proprietary ontologies

Managing multiple and evolving ontologies from public and proprietary sources requires significant effort and presents organisations with challenges around control and interoperability. SciBite has created CENtree, a collaborative ontology management platform that delivers easy to use ontology management capabilities built on a flexible and robust enterprise-ready platform.

• COLLABORATIVE
  Democratises ontology editing

• COMPREHENSIVE
  Centralises and controls editing

• EXTENSIBLE
  Rich API simplifies integration with search
Rapid access
CENtree has been designed to recognise and ingest multiple publicly available ontologies (currently ~40 Ontologies) using an easy one-click loading mechanism. Ontology browsing is oriented around a tree or graph view tailored to visualise biomedical ontologies, their entities, and their relationships. Complex language associated with formal ontologies is replaced with user-friendly terminology.

CENtree enables the creation of custom ontologies from both public and proprietary ontologies, with the steps for creating these application ontologies stored and replayable for ease of update.

Collaborative
Ontology editing activates an overlay which makes the browser editable. Adding new classes and editing/enriching existing classes is simplified to enable a broader audience to contribute. Edits are captured using open standards to make the resulting ontology reusable elsewhere. A deep learning component helps a user to edit by suggesting possible relationship connections for a given class.

Comprehensive
Provenance is captured for every edit action, with user comments to explain edits, and the ability to roll back from an undesired change. A governance model controls the ability to affect change through roles such as ‘suggestor’ (can suggest an edit), ‘editor’ (can make live edits and approve suggestions), ‘viewer’ (can browse), ‘editor-admin’ (can administer designated ontologies) and ‘administrator’ (can perform all tasks and add ontologies).
Extensible
CENtree employs a Git-like approach to managing change with our custom versioning engine, empowering an organisation to keep current with the latest public versions, whilst internally adding new content such as extending with new classes or fixing errors. The CENtree interface is founded on a flexible API which can be directly integrated into existing systems. As a SaaS (Software as a Service) solution, CENtree is secure and simple to deploy, includes seamless product upgrades, along with expanded infrastructure support and Professional Services to support integrations and ontology curation and advice. Combining master data management and semantic analytics capabilities of SciBite’s platform offers a unique approach in managing scientific information in the journey to clean data.

About SciBite
SciBite’s data-first, semantic analytics software is for those who want to innovate and get more from their data. At SciBite we believe data fuels discovery and we are leading the way with our pioneering infrastructure that combines the latest in machine learning with an ontology-led approach to unlock the value of scientific content. Supporting the world’s leading scientific organisations with use-cases from discovery through to development, SciBite’s suite of fast, flexible, deployable API technologies empower our customers, making it a critical component in scientific, data-led strategies. Contact us to find out how we can help you get more from your data.

To learn how SciBite can unlock the value of your data, speak to one of our experts today or email us at contact@scibite.com