

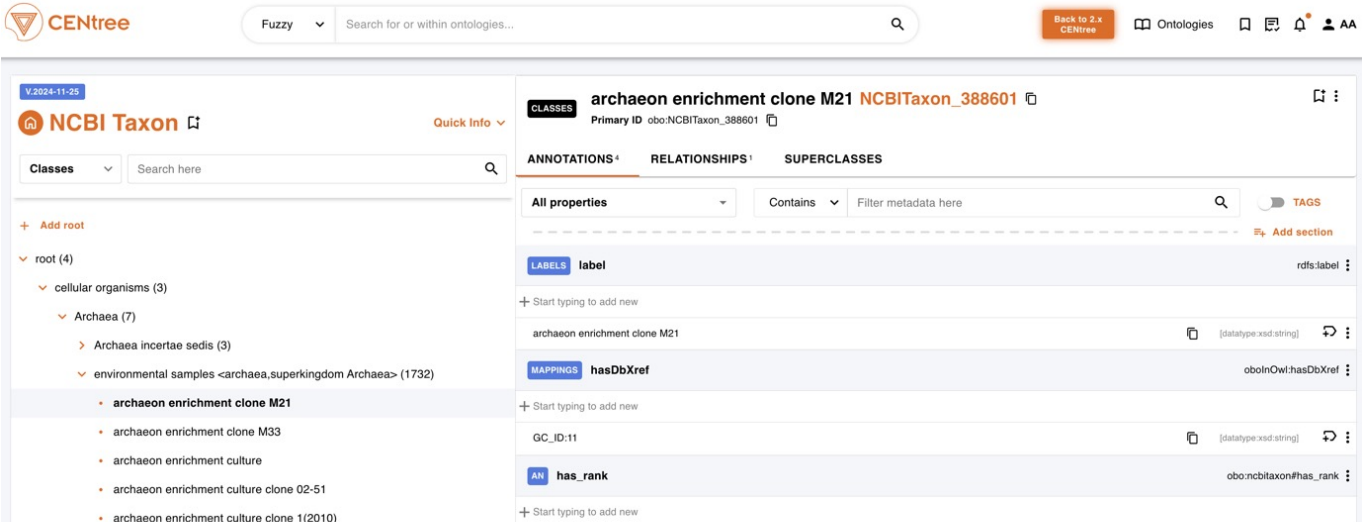
Datasheet

Ease the strain of ontology and terminology management with a collaborative enterprise-ready platform that gives you and your team a simple, flexible, and more efficient way to data governance.

CENTree equips data-driven businesses to effectively manage their semantic data models and terminology assets. With CENTree, our advanced data governance platform, organizations can effortlessly handle everything from simple metadata and taxonomies to complex ontologies, facilitating efficient organization, discovery, and utilization of their data assets.

Overview

SciBite has developed CENTree to tackle the real-world challenge of managing and governing business standards and terminologies at scale. With a strong emphasis on usability, we've created a platform that democratizes collaboration among subject matter experts, enabling them to build and refine business ontologies together. Whether you aim to enhance data interoperability or extract insights from your information assets, CENTree empowers businesses to transform their data landscape and achieve strategic goals.



The screenshot displays the CENTree web interface. At the top, there is a search bar with a 'Fuzzy' dropdown and a search icon. To the right, there are navigation links for 'Back to 2.x CENTree', 'Ontologies', and user settings. The main content area shows the 'NCBI Taxon' ontology page for the class 'archaeon enrichment clone M21' (NCBITaxon_388601). The page is divided into several sections: 'ANNOTATIONS', 'RELATIONSHIPS', and 'SUPERCLASSES'. Under 'ANNOTATIONS', there are sections for 'LABELS' (with a 'label' property), 'MAPPINGS' (with a 'hasDbXref' property), and 'AN' (with a 'has_rank' property). A left sidebar shows a hierarchical tree of classes, including 'cellular organisms', 'Archaea', and 'archaeon enrichment clone M21'. The top left corner of the interface shows the date 'V.2024-11-25'.

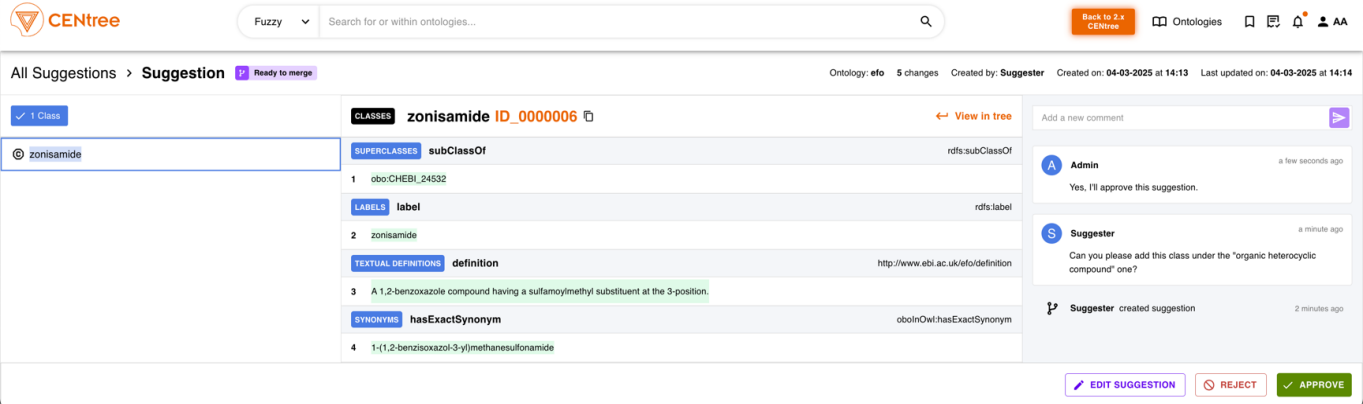
Why choose CENTree?

Collaborative – Enable real-time contributions from multiple users for effective team collaboration in taxonomy and ontology development

Standards – CENTree is built on industry standards, empowering users to leverage rich ontology modeling languages

Scalability – Designed with scalability in mind, CENTree can accommodate terminologies spanning millions of concepts and synonyms often found in scientific domains

Interoperability – CENTree promotes the reuse and dissemination of your standards via a rich set of export formats and APIs



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Key Features

Comprehensive Data Management

Unified framework: A single platform to manage reference data, metadata, taxonomies, and ontologies, offering a holistic view of information assets.

Structured knowledge organization: Facilitates the creation and maintenance of structured knowledge frameworks, enhancing data discoverability and usability.

Visualization and Design

Intuitive design: Easy-to-use interfaces allow users to create, edit, and manage ontologies and taxonomies without extensive technical skills.

Visual representation: Includes tools for visualizing hierarchical structures and relationships within taxonomies and ontologies for a better understanding of complex data.

Collaboration and Governance

Collaborative features: Enables real-time contributions from multiple users for effective team collaboration in taxonomy and ontology development.

Governance and compliance: Robust features to maintain data integrity, consistency, and compliance with industry standards.

Integration and Interoperability

Seamless integration: Integrates smoothly with existing systems (e.g., content management systems, databases) for enhanced data flow and interoperability.

Support for standards: Adheres to semantic web standards (RDF, OWL), ensuring interoperability across platforms and applications.

Scalability and Flexibility

Adaptable solutions: Tools that grow with the organization, allowing for updates and expansions of taxonomies and ontologies as business needs evolve.

Customizable frameworks: Tailor ontologies and terminologies to fit specific organizational contexts and industry requirements.

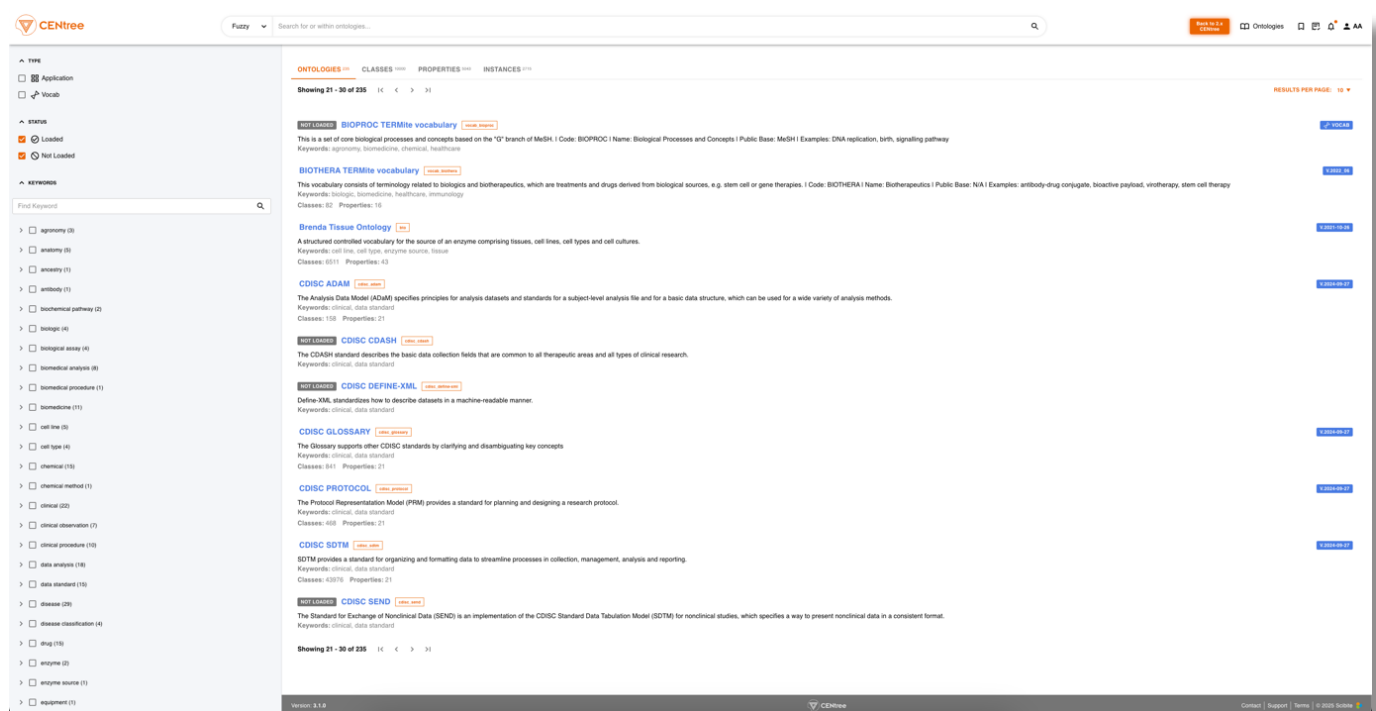
Emerging Technologies

AI and machine learning: Automates aspects of taxonomy and ontology management, including classification suggestions and relationship identification.

Cloud solutions: Promotes cloud-based functionalities for scalability, accessibility, and reduced infrastructure costs.

By adopting CENTree, organizations can foster collaboration, enhance data quality, and ensure their ontologies, taxonomies, and data remain relevant and effective in an ever-evolving scientific landscape.

Its data governance capabilities make it an essential tool for research-led businesses seeking to unlock insights from their data efficiently. For more information on how CENTree can transform your data management practices, contact us at contact@scibite.com.



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 organizations with use cases from discovery through to development, SciBite's suite of fast, flexible, deployable API technologies empowers 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