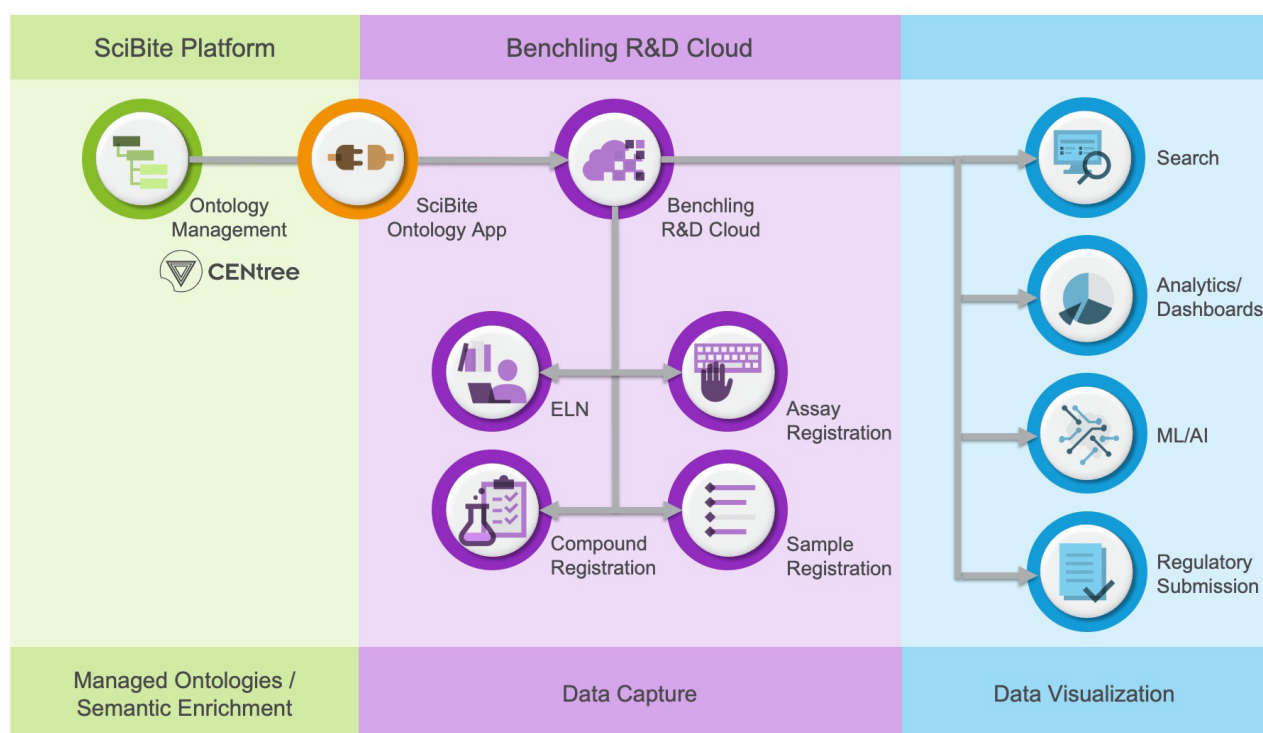# Benchling

SciBite
from Elsevier

Enterprise Data Standards via the SciBite Ontology App for Benchling

Overview

As a leader in cloud informatics software for R&D, Benchling provides digital solutions for the biopharmaceutical, agritech, and industrial biotechnology industries. Benchling supports ontology-backed data capture and registration natively within their products; however, many organizations manage data standards centrally, in dedicated tools that support contribution to standards from across the business, supported by the necessary governance framework.

SciBite, from Elsevier provides expertise and software for the development and deployment of enterprise ontologies and data standards, with CENtree being SciBite's dedicated ontology management platform. SciBite has developed a connector app, enabling enterprise data standards managed in CENtree to be exported and loaded into Benchling. Once in Benchling, these data standards power pick lists for prospective data capture, supporting FAIR data principals. The SciBite Ontology App can be accessed via Benchling's global app framework, streamlining the deployment and setup Schematic overview of SciBite and Benchling platform.

Schematic overview of SciBite and Benchling platform.

Benefits of the SciBite Ontology App

The SciBite-Benchling App empowers biopharmaceutical, agritech, and industrial biotechnology customers with the ability to:

- Synchronise enterprise data standards managed in CENtree into Benchling's R&D Cloud
- Prospectively capture data in Benchling, aligning to enterprise data standards
- Streamline the adoption of public ontologies and merge these with internal terminology using a dedicated ontology management tool (CENtree)
- Installation and setup of the App via Benchling's Global App Framework

About Benchling

Biotechnology is rewriting life as we know it, from the medicines we take, to the crops we grow, the materials we wear, and the household goods that we rely on every day. But moving at the new speed of science requires better technology. Benchling's mission is to unlock the power of biotechnology. The world's most innovative biotech companies use Benchling's R&D Cloud to power the development of breakthrough products and accelerate the time needed to reach milestones and market. **Find out more at** www.benchling.com.

Benchling Notebook solution overview

Benchling interlinks and tracks the entire R&D lifecycle — from project documentation and data acquisition to sequence design, sample management, process management, and reporting. By standardizing and centralizing R&D data and workflows on a single platform, Benchling helps forward-thinking companies accelerate their digital lab transformation to enable better, faster decision-making. **Visit** Benchling Notebook.

	Built for complex science	Purpose-built to support the development of anything from biologics and biomaterials to strains and small molecules, Benchling interlinks your sequences, samples, and experiment results to ensure full traceability
	Intuitive and easy to use	Modern user interface — with natively interconnected notebook, sample registration, inventory management, and workflow design applications — means your team can work better and faster, together
	Adapts to your process	Built on top of a secure, high-performance cloud infrastructure, Benchling supports evolving scientific workflows and integrates with lab instruments and other software systems to help unify your R&D data ecosystem
	Enables data-driven decisions	Centralized, standardized data capture and storage help ensure the integrity of your data, while integrated analytics tools help you derive the insights you need to make better scientific and operational decisions

About SciBite

SciBite's data-first, semantic analytics software is for those who want to innovate and get more from their combines the latest in machine learning with an ontology-led approach to unlock the value of scientific content. **Find out more at** www.scibite.com.

SciBite CENtree solution overview

SciBite's ontology management platform CENtree provides a centralized, enterprise-ready resource for ontology management and transforms the experience of maintaining and releasing ontologies for research-led businesses. CENtree combines ease of use with cutting-edge AI techniques to assist users, for example, by suggesting possible relationship connections for a given ontology class. **Visit** SciBite CENtree

	Collaborative	Democratizes ontology editing so that ontology users can easily browse, search, and contribute, rather than rely solely on ontology experts
	Comprehensive	Centralizes and controls the process of consuming and editing external and internal ontology resources over time
	Extensible	Rich API simplifies integration with search and data capture applications, transforming the way; you manage internal data to empower downstream insights through data mining and machine learning