BIOVIA

3DEXPERIENCE®

SCIENTIFIC INTELLIGENCE

Datasheet

SO MUCH DATA, SO LITTLE TIME

Today's world is driven by data. Between the millions of patents, publications, Electronic Lab Notebook (ELN) entries, internal and external databases, and countless other sources of information, the body of knowledge available to researchers is constantly growing. Yet this unprecedented opportunity presents a challenge: finding and sharing data for reuse is becoming prohibitively difficult. This has not only driven up costs and slowed time to market; it has hindered the collaboration needed for successful R&D. Unlocking the true value of data requires tools that can both aggregate data and understand it, to draw relationships between data of different formats and sources.

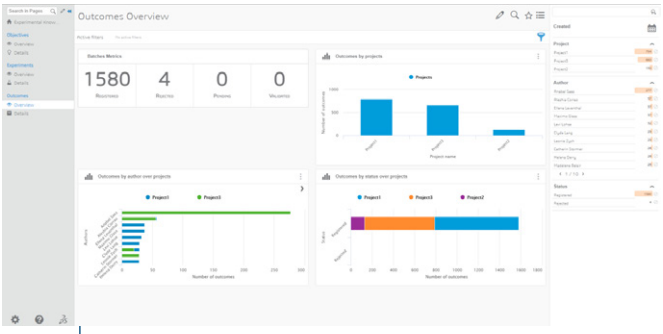
DASSAULT SYSTEMES

SCIENTIFIC INTELLIGENCE: TRANSFORMING SCIENTIFIC DATA INTO ACTIONABLE INSIGHT

Comprehensive knowledge management requires building bridges between people, places, and data. Scientific Intelligence offers a suite of applications to find, share, and reuse enterprise knowledge. It builds up relationships between disparate bodies of information, providing easy access to scientific enterprise content and creating a dynamic, intelligently managed knowledge network.

Scientific Intelligence provides researchers a configurable and extensible framework to support an end-to-end data aggregation and analysis workflow.

- Connect to your data where it is stored, no migration required
- Process new data automatically: package data cleaning, semantics definition, and relationship network development in a single workflow
- Visualize search results intelligently in predefined dashboards



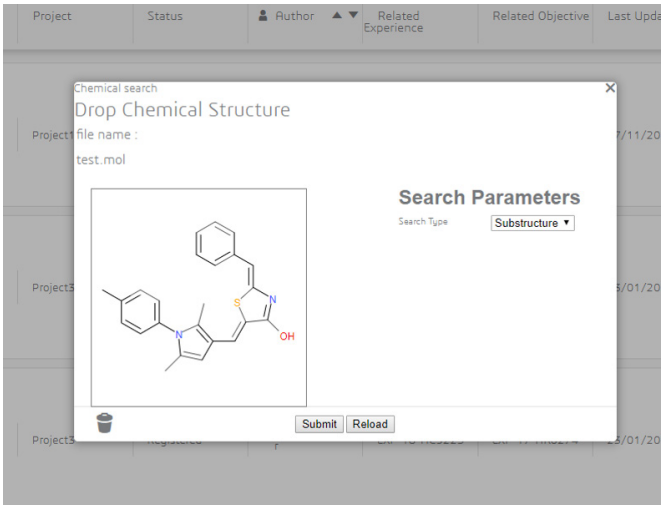
Scientific Intelligence explores the complex relationships between your data, allowing teams to draw connections between different experiments and subject matter experts.

DESIGNED BY SCIENTISTS, FOR SCIENTISTS

The types and formats of information used in science are as varied as their sources. Images, chemical structures, sequences, emails, ELN entries, and more could hold the answer a researcher is looking for. Additionally, any of these types of information could be referred to using different terminology or abbreviations. This adds to the list of potential relationships between different bodies of knowledge, especially if researchers don't know the specific phrase they plan to search with. Parsing these different types of content is crucial to any search tool for R&D. Scientific Intelligence supports the discipline-specific functionality researchers need, allowing them to search by keyword, chemical structure, sequence, and more. It also intelligently builds out the relationships between these types of data, helping to ensure that scientists find what they need, when they need it.

EXPERIMENTAL KNOWLEDGE

At the core of Scientific Intelligence is a collection of purpose-built applications to tackle the unique challenges faced by R&D. The first of these, Experimental Knowledge, removes the barrier to connecting and sharing an organization's ELN-based data. Different teams may use different systems, siloing knowledge and hindering collaboration. Often, some teams may simply redo experiments rather than spend the time searching across multiple ELN systems, even if they know the data they need already exists. The Experimental Knowledge application brings together this data into a common environment, providing a single point of entry for researchers to find their data, explore related work or identify internal subject matter experts.



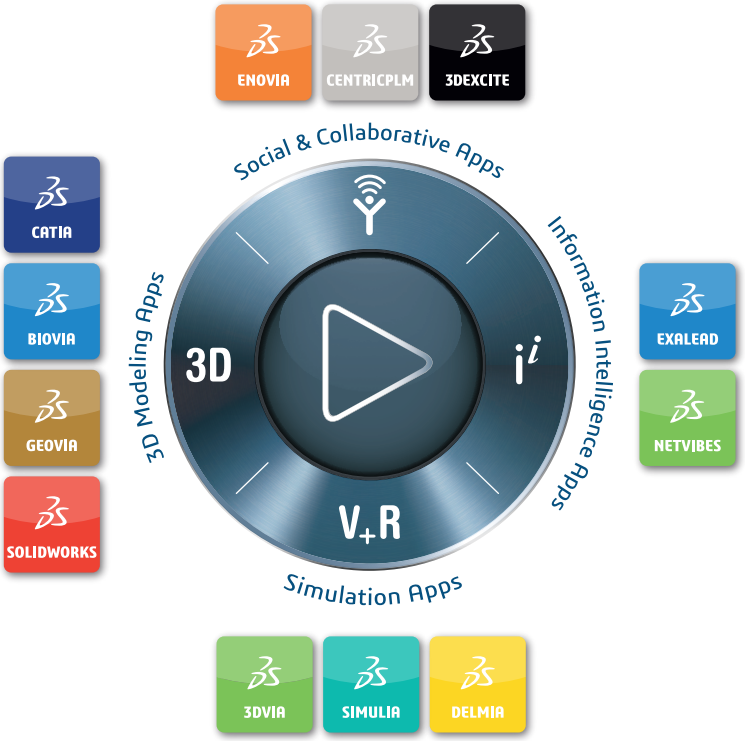
Search by chemical structures or by a variety of other scientific formats within Experimental Knowledge.

ACHIEVING TRUE ENTERPRISE KNOWLEDGE

The Scientific Intelligence suite shortens the distance between teams and their knowledge. It makes sharing simpler and more effective, and unlocks the potential of any science-based organization:

- Keep all relevant experimental data at your fingertips
- Provide timely and actionable insights to the organization
- Share relevant expertise and standardize best practices
- Visually interpret results and improve transparency into operations

As a part of the larger BIOVIA portfolio, Scientific Intelligence connects to a diverse ecosystem of solutions designed to modernize science and engineering. From modeling, simulation, and machine learning to lab informatics, manufacturing analytics, and quality, BIOVIA provides an unparalleled collection of tools to capture, aggregate, standardize, clean, and analyze data. Together, the BIOVIA portfolio offers organizations the means to transform their raw data into true enterprise knowledge.



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