

# Al Application | Molecular Similarity Search

# We are at the **beginning** of a transformative era in science...

# **Drug Discovery**

### In Silico Discovery

Deep Neural Network that can predict intermediate cell variables

**Precision Cohorts creation** using Real-World Data

# **Data-Driven**

Optimize clinical trial design by studying learnings from the past trials

Machine Learning based study feasibility. Data Driven Budgeting

### Trial Execution

### **Seamless Execution**

AI-based workflow automation between CRO, site and sponsor

NLP and ML modeling on EMR data and clinical notes to find patients

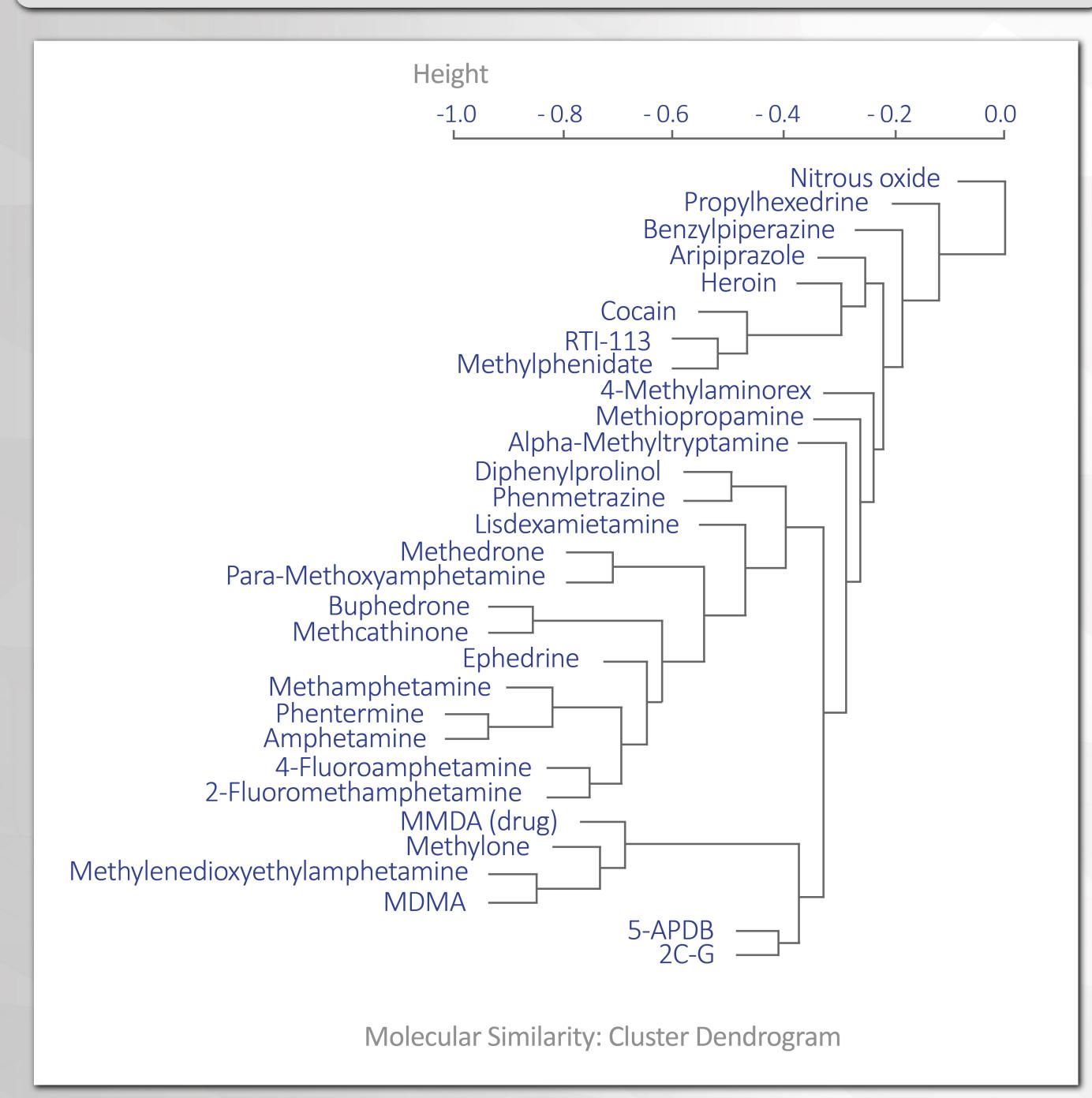
### Quantified Outcomes

Med Adherence powered by computer vision and Al

NLP and AI combination based social listening in pharmacovigilance

> **Pricing Analytics** using ML

# SEARCH Euphoria NEAR Fluoroamphetamine SIMILARITY THRESHOLD FIND



# 30 RESULTS FOUNDS

Sort by: Threshold Asc. | Threshold Desc. | Name A-Z | Name Z-A | More... ▼

<<FIRST

4-fluoroamphetamine

https://en.wikipedia.org/wiki/4-Fluoroamphetamine

4-Fluoroamphetamine (4-FA; 4-FMP; PAL-303; "Flux"), also

known as para-fluoroamphetamine (PFA) is a psychoactive

research chemical of the phenethylamine and substituted

amphetamine chemical classes. It produces stimulant and

sometimes sold along with related compounds such as 2-

fluoroamphetamine and 4-fluoromethamphetamine.

entactogenic effects, and is described subjectively as being

between amphetamine and MDMA. As a recreational drug, 4-FA is

# <PREV

# NEXT>

LAST>>

### 2-Fluoromethamphetamine

https://en.wikipedia.org/wiki/2-Fluoromethamphetamine

2-Fluoromethamphetamine (2-FMA) is a stimulant drug from the amphetamine family which has rarely been found possessed as a designer drug. Effects include euphoria, loss of appetite, increased energy, insomnia, focus enhancement, bronchodialation, motivation enhancement, and dry mouth. It is often compared by its users in anecdotal reports to

Lisdexamfetamine (Vyvanse) in regards to 2-FMA's dosage, duration, and general effects profile. What is unique to ...

### Methamphetamine

chemical, .

https://en.wikipedia.org/wiki/Methamphetamine

Methamphetamine (contracted from N-methylamphetamine) is a strong central nervous system (CNS) stimulant that is mainly used as a recreational drug and less commonly as a second-line treatment for attention deficit hyperactivity disorder and obesity. Methamphetamine was discovered in 1893 and exists as two

enantiomers: levo-methamphetamine and dextromethamphetamine. Methamphetamine properly refers to a specific

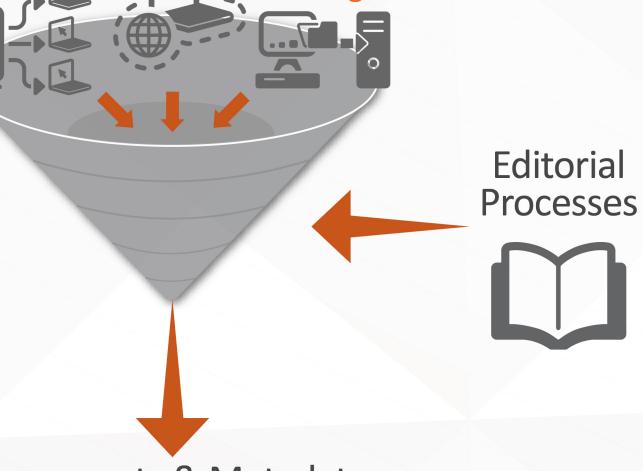
# Phentermine

https://en.wikipedia.org/wiki/Phentermine

Phentermine (contracted from phenyl-tertiary-butylamine), also known as α,α-dimethylphenethylamine, is a psychostimulant drug of the substituted amphetamine chemical class, with pharmacology similar to amphetamine. It is used medically as an appetite suppressant for short term use, as an adjunct to exercise and reducing calorie intake. Phentermine may produce cardiovascular, gastrointestinal, and

CNS side effects; rare cases of pulmonary hypertension...

**Content Architecture** 



# Documents & Metadata Aggregator / Crawler

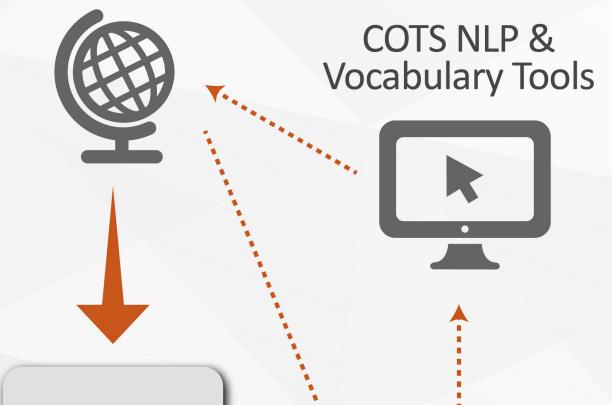


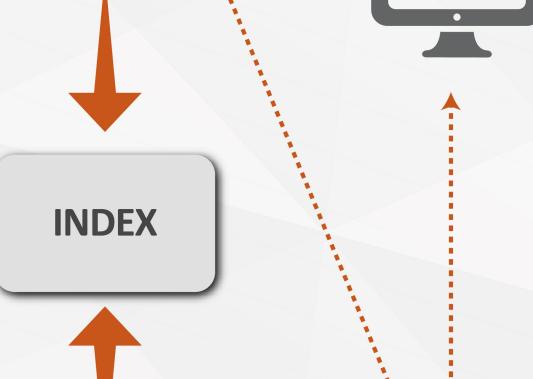
# **NLP Enrichment**

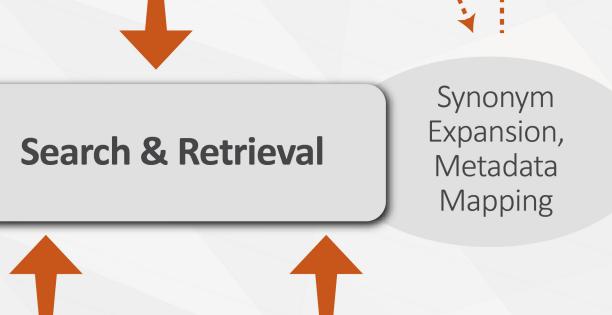




Enrichment



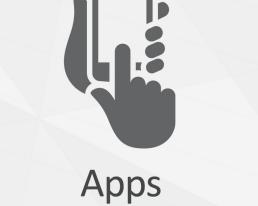






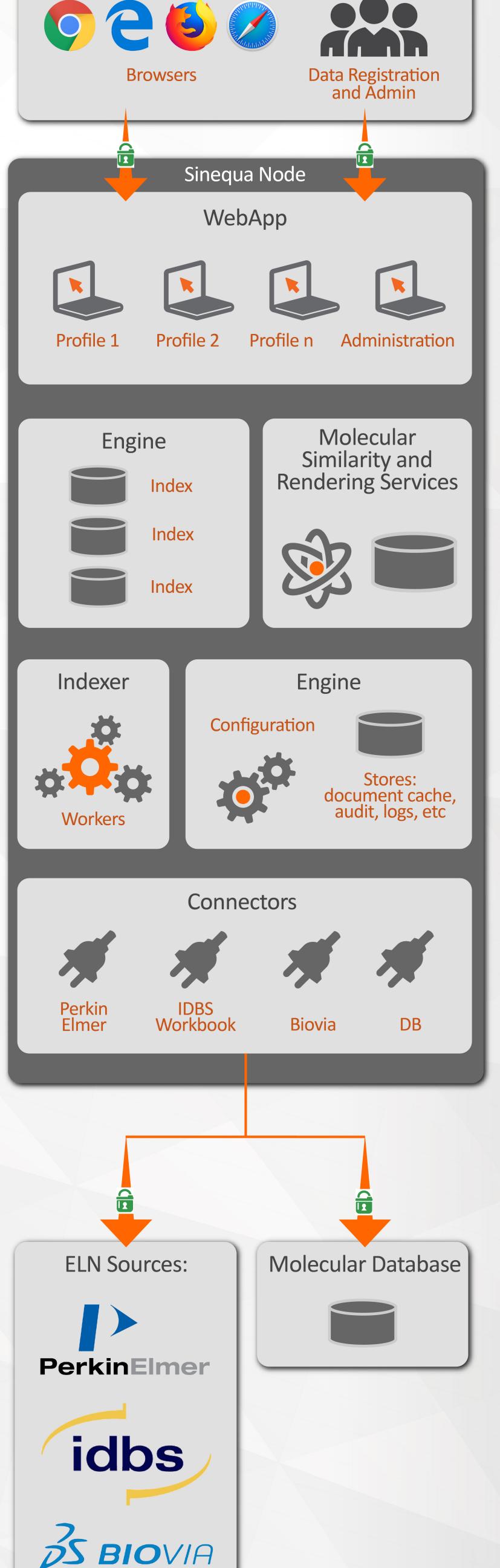


(WebCMS)

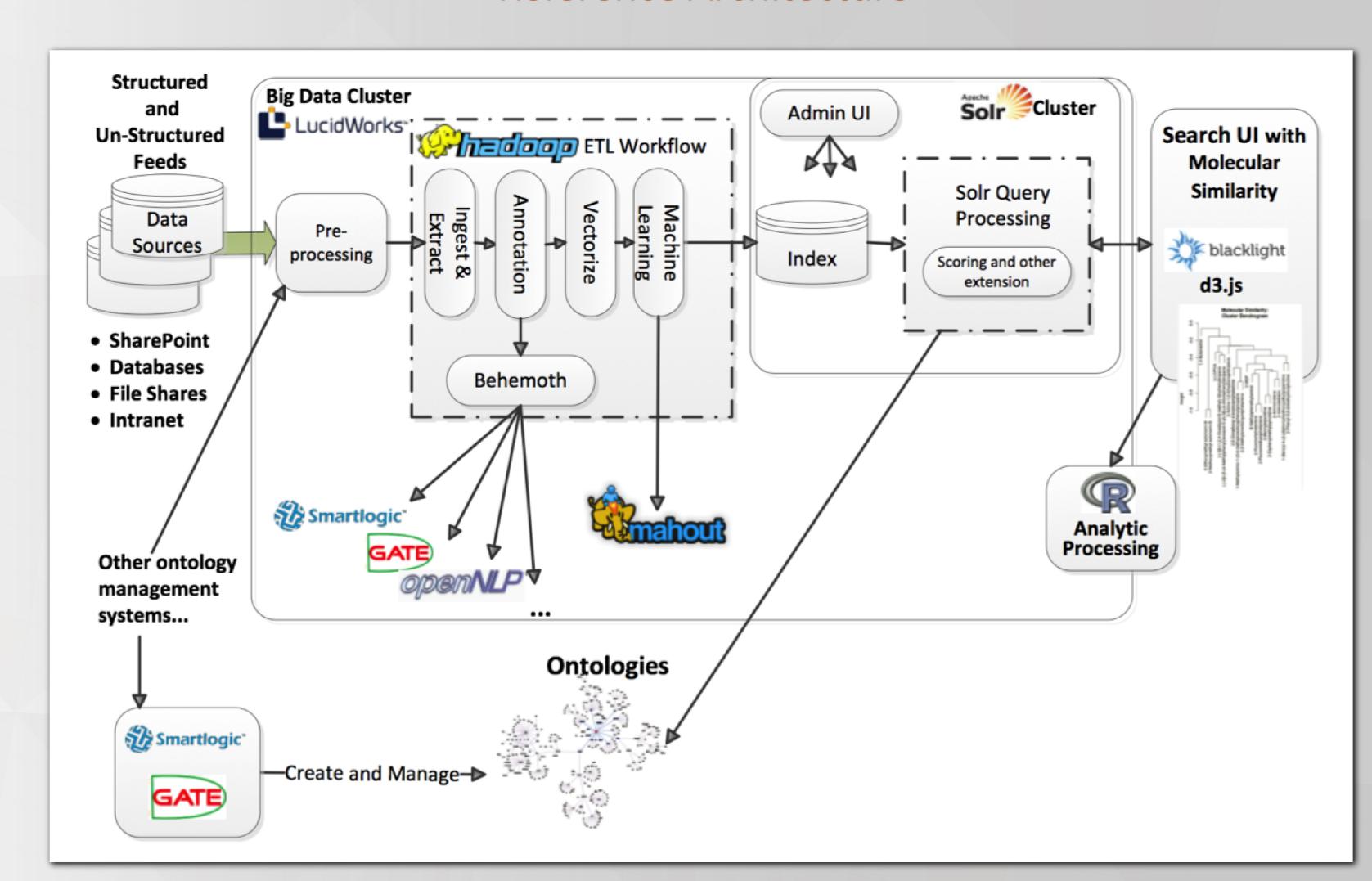


# Solution Overview

Users



# Reference Architecture



# Data Curation & Search at Scale

