neo4j Graph Intelligence Platform

Augmented AI

Building Contextual Intelligence with Knowledge Graphs



Dr Alexander Jarasch
Global Head of Pharma & Life Sciences

AGENT MATURITY CURVE IS STILL IN EARLY DAYS

Copilots

AI assists human workflows but the human still performs the task

Independent runtime: **Seconds**

Task Agents

AI executes discrete tasks end-to-end with human oversight

Independent runtime: **Minutes**

Workflow Agents

AI orchestrates multi-step business processes across systems

Independent runtime: **Hours**

Autonomous

AI independently performs complex knowledge work with minimal oversight

Independent runtime: **Days**

Source: Redpoint

THE PROBLEM

Your agent has the best model available and still doesn't understand your business.

Enterprise AI doesn't fail on the model — frontier LLMs arrive every few months, cheaper and better. It doesn't fail on the harness either: tools, orchestration, evaluation and guardrails have matured. It fails because meaning was never written down.

`TARGET_STAT = 'D'`

Means "deprioritised after the portfolio review", not "discontinued". The target tracking system knows. The program lead knows. The agent does not.

"Hit"

Defined one way by high-throughput screening and another by medicinal chemistry. Both are correct inside their own project.

One compound, six names

An internal code, a preferred name, an INN and three vendor identifiers across ELN, LIMS, registry and safety database.

It's in the application code. It's in the analyst's head. It's nowhere the agent can read.

THE PROBLEM

Building meaning into each agent creates copies. Copies drift.

- A definition in the prompt
- A custom tool in an MCP server
- A retrieval pipeline that fetches context

The demo is great. But notice what happened: portions of meaning now live inside each agent.

10

agents means ten private copies of the enterprise.

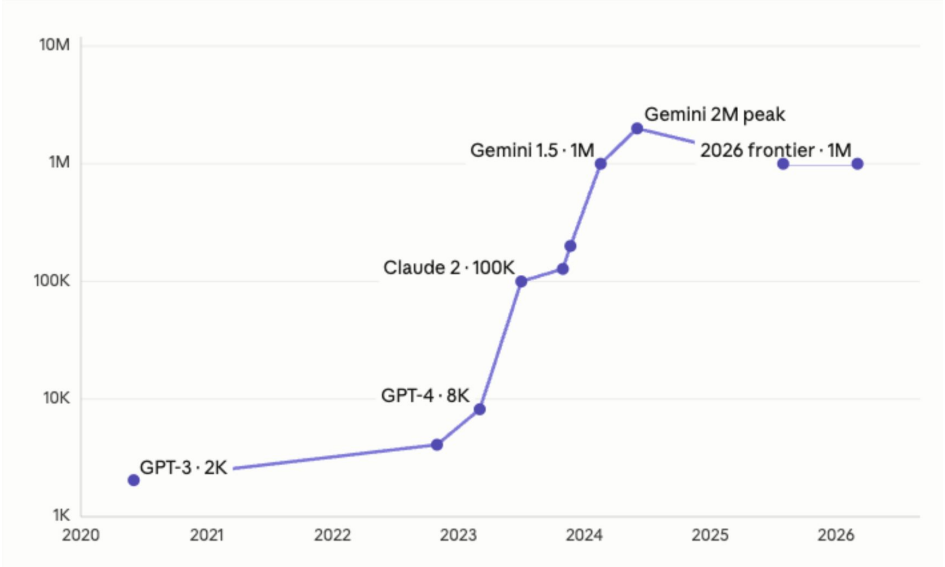
"Hit" gets redefined in one team's MCP server this quarter, in another team's prompt next quarter, and never in a third team's agent.

Nothing breaks loudly. No alarm goes off.

Piling more logic and more context into each agent is exactly backward. Every addition is one more copy to keep in sync.

THE PROBLEM

A bigger context window did not buy you retrieval accuracy.



Context windows have grown by orders of magnitude. Retrieval accuracy has not followed.

The knowledge layer is larger than any context window to begin with — and enterprise knowledge is dynamic. Definitions change, sources shift, memory accrues. A cached copy is both incomplete and stale.

80%

more truthful agents with GraphRAG — independent research, published at neo4j.com/whitepapers

TWO SIDES OF NEO4J

DATA STORE

Neo4j Graph Database

The Life Science's Connected Data

- Stores the network itself: Genes, Proteins, Patents and multi-omics, connected
- Traverses relationships in real time, for transactional and analytical workloads, at enterprise scale
- Runs in production today across target identification, competitive intelligence and supply chain and more

The ***database*** connects the ***data***.

TODAY'S FOCUS

Neo4j Context Engine

The Life Science Mental Map

- Captures how the business works: process, people, meaning, data and tools, in one governed model
- Delivers the right context to every agent at runtime, within its permissions
- Traces every decision, and learns from every confirmed one

The ***Context Engine*** connects the ***business***.

TRUST

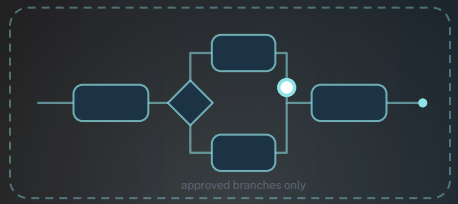
THREE MODES OF AUTONOMY



TRUST: THREE MODES OF AUTONOMY

Autonomy is earned, not granted.

ONE APPROVED PATH

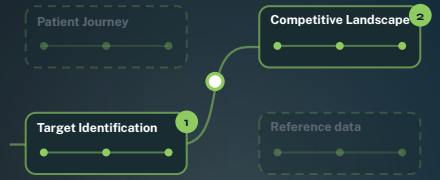


Guided

Attaches at the start of one approved process and cannot deviate. It may take approved branches, but it runs one journey, end to end, and stops.

APPROVED	The whole path, curated and validated by the people who know the systems
TRUST	Run over the shoulder first: people watch it work in real time, trace by trace
EXAMPLE	Define disease area and unmet need

APPROVED BUILDING BLOCKS, CHOSEN AND CHAINED

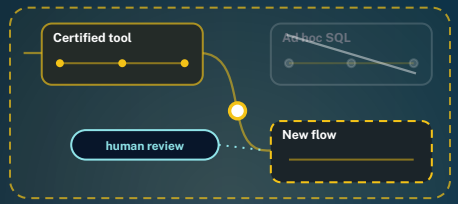


Orchestrated

Given a business problem, it may choose, reorder and chain approved processes. Every process it starts, it must finish: no half processes.

APPROVED	Every building block; the sequence is the agent's choice
TRUST	Each chained process carries its own trace and approval points
EXAMPLE	Identify biological target and explore the competitive landscape

GUARDRAILS, NOT A ROUTE



Autonomous

Given a problem, it solves it however it sees fit: approved processes where they fit, new flows where they don't.

APPROVED	The guardrails, not the route
TRUST	Reliability, security guardrail, human review of new flows
EXAMPLE	An open data question: the agent chose the certified tool over ad hoc SQL, and explained why

INCREASED AGENTIC FREEDOM

ADOPTION

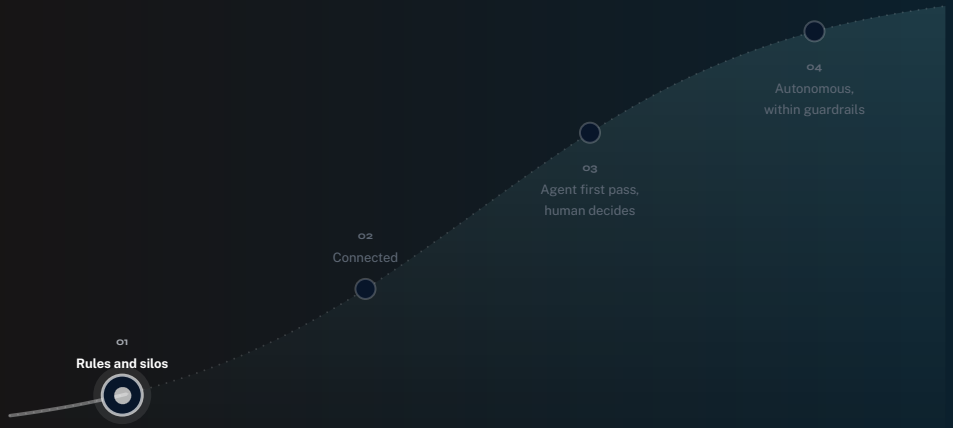
MATURITY CURVE for Pharma & Life Sciences



MATURITY CURVE

Rule-based alerts, disconnected data.

↑ INVESTIGATOR TIME ON JUDGEMENT



CONTEXT CAPTURED →

STAGE 01

Rules and silos

01

+ Where most Pharma start

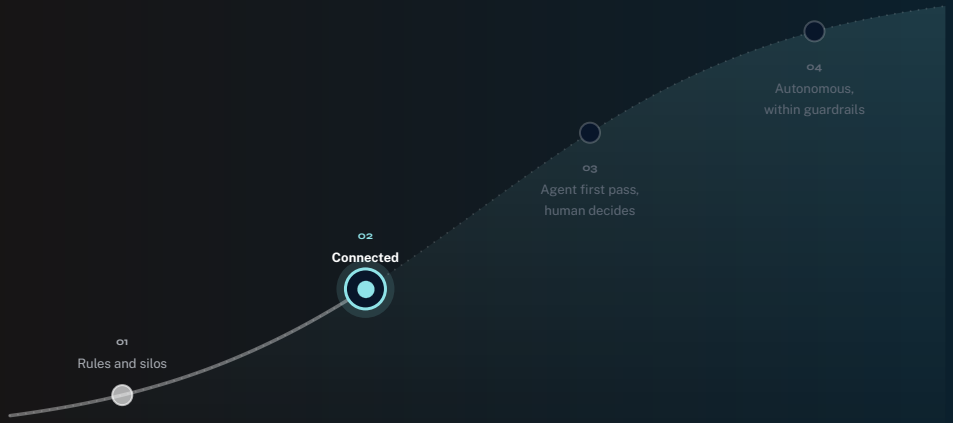
- Rules fire alerts on single transactions, in isolation
- Data sits in silos; investigators stitch the picture together by hand
- **80%+ false positives;** every alert read raw by a person

THE VISION | 01 RULES AND SILOS | 02 CONNECTED | 03 AGENT FIRST PASS, HUMAN DECIDES | 04 AUTONOMOUS, WITHIN GUARDRAILS

MATURITY CURVE

A connected world.

↑ INVESTIGATOR TIME ON JUDGEMENT



STAGE 02

Connected

02

Neo4j database

- The network represented as a graph: targets, pathways, patents, competitors and clinical trials connected
- Investigators see relationships, not rows, and explore them in Neo4j
- No agents yet, but **a step change in investigator productivity**

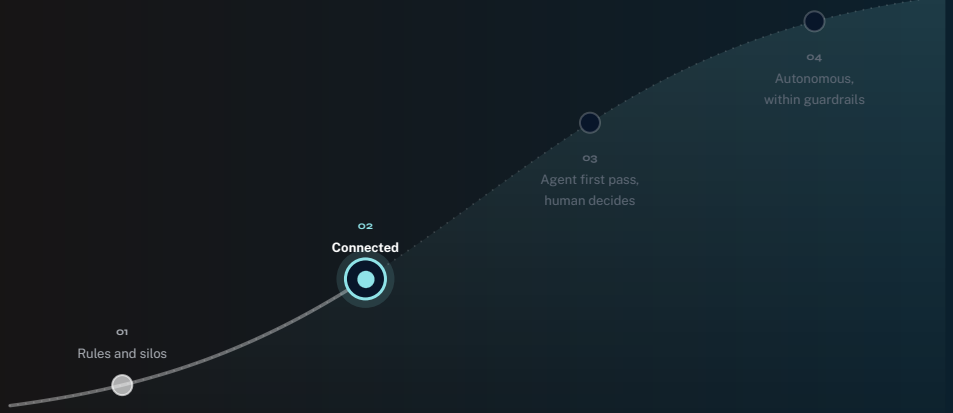
CONTEXT CAPTURED →

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MATURITY CURVE

A connected world.

↑ INVESTIGATOR TIME ON JUDGEMENT





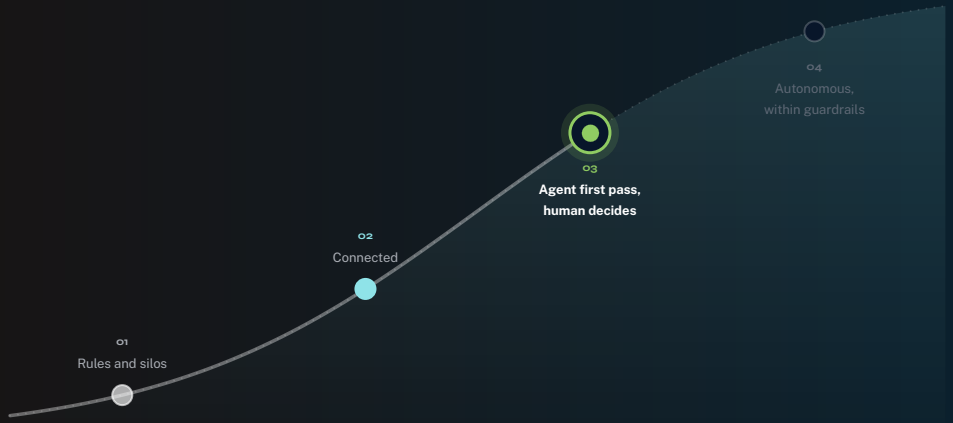
CONTEXT CAPTURED →

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MATURITY CURVE

Agents take the first line.

↑ INVESTIGATOR TIME ON JUDGEMENT



STAGE 03

Agent first pass, human decides

03

+ Stage two + the Context Engine

- The agent takes the first pass: investigates a target, runs the queries, builds the visualisations, writes a synopsis
- The analyst receives **a prepared case file, not a blank screen,** and makes the call
- What the analyst does beyond the agent feeds the learning loop
- Guided and orchestrated modes: the company sets the freedom

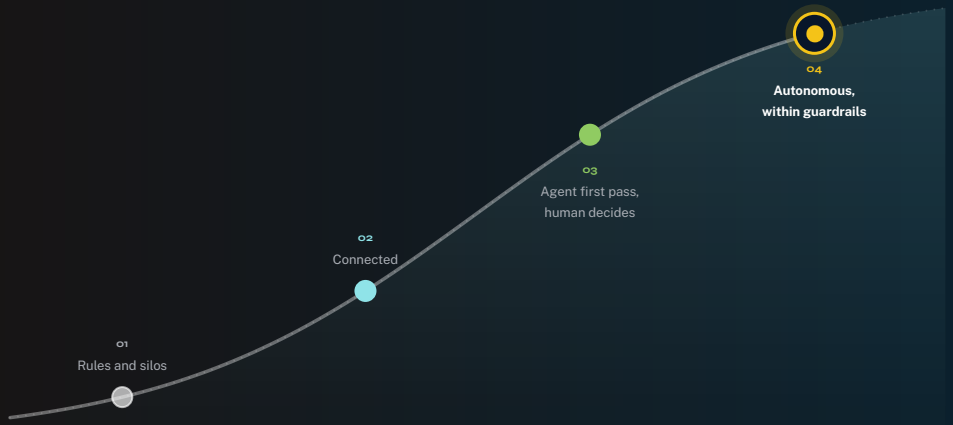
CONTEXT CAPTURED →

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MATURITY CURVE

Agents run the investigation.

↑ INVESTIGATOR TIME ON JUDGEMENT



STAGE 04

Autonomous, within guardrails

04

+ Every stage + the company's own process and case record

- Agents investigate end to end, in autonomous mode, earned through stage three
- The company's own process and portfolio history are the guardrails
- Investigators get the complex work back: **their time goes to the cases that need judgement**

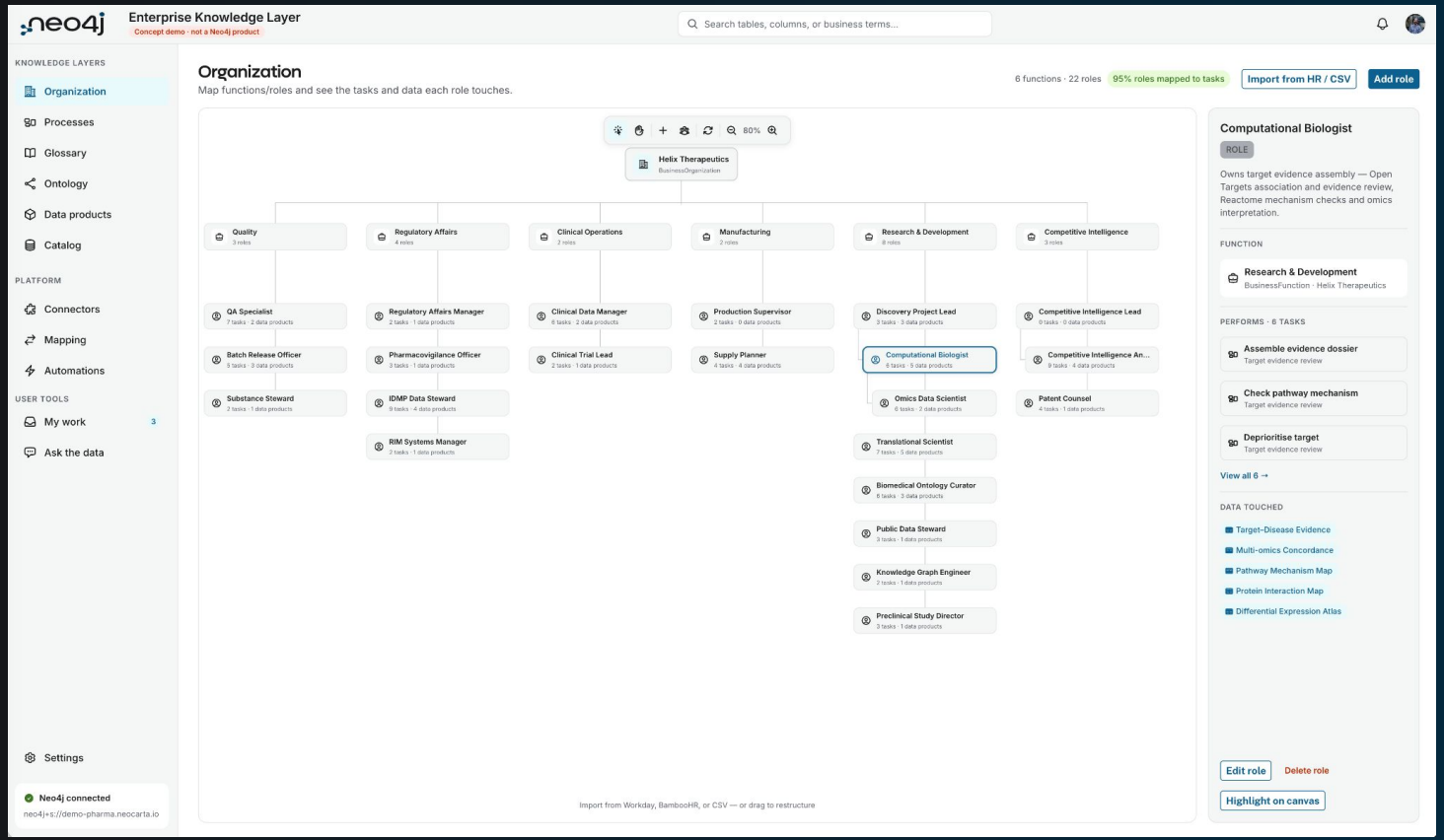
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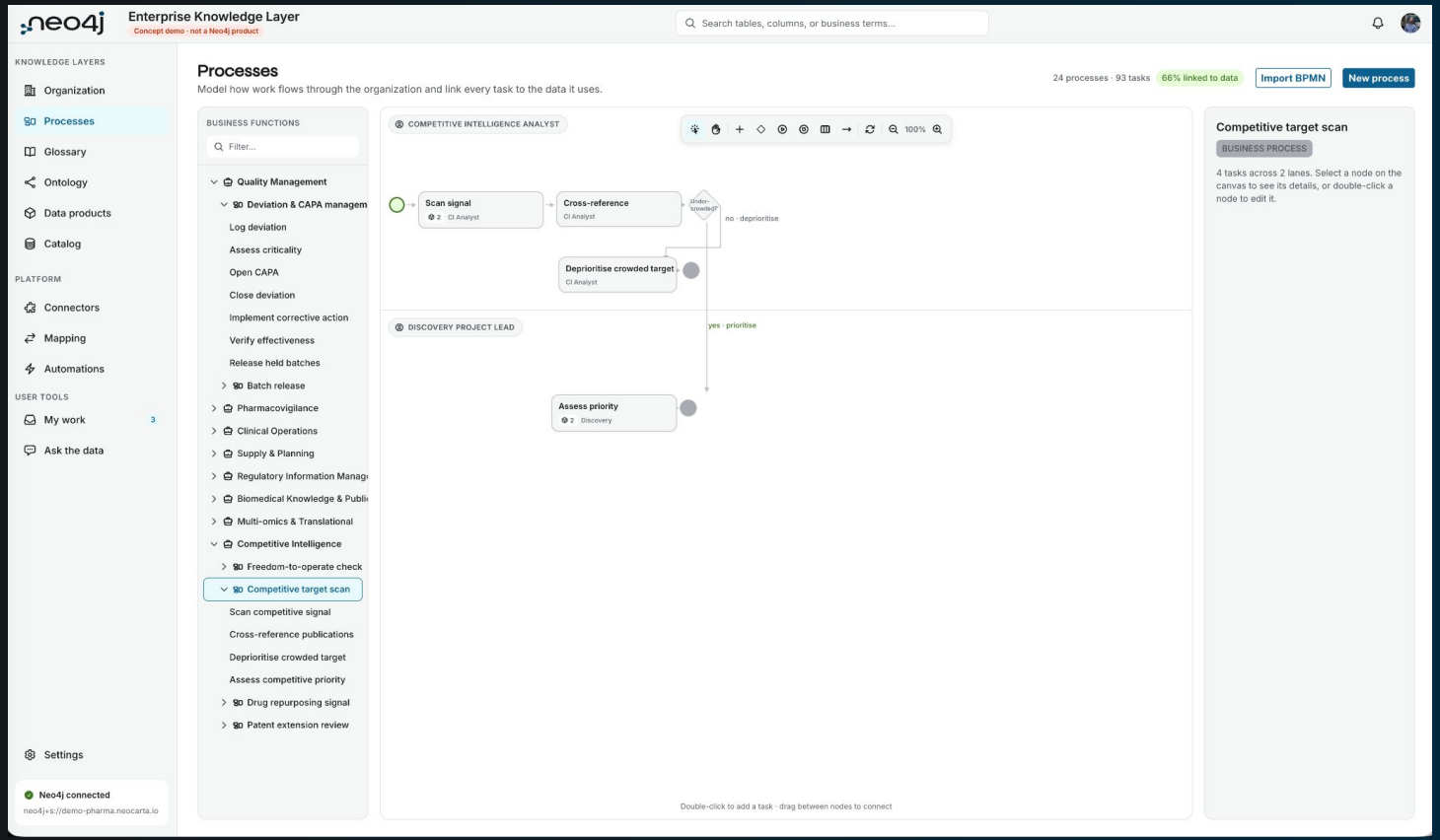
SIX LAYERS

L1	**Process, people and organisation** Process · Activity · Task · Decision · Rule · Organization	"Why and what we do"
L2	**Domain ontology** Concept · Attribute · Relationship · Taxonomy	"What the data means"
L3	**Data products** DataProduct · Dataset · Metric · Contract	"What you use" · conditional
L4	**Physical Systems** System · Database · Table · Column · API · File	"Where it lives"
L5	**Tools & Integration** Application · Tool · API · Function	"How agents call it"
L6	**Agent traceability and memory** Agent · Execution · ToolCall · Outcome · Feedback · Experience	"Who uses it and learns"

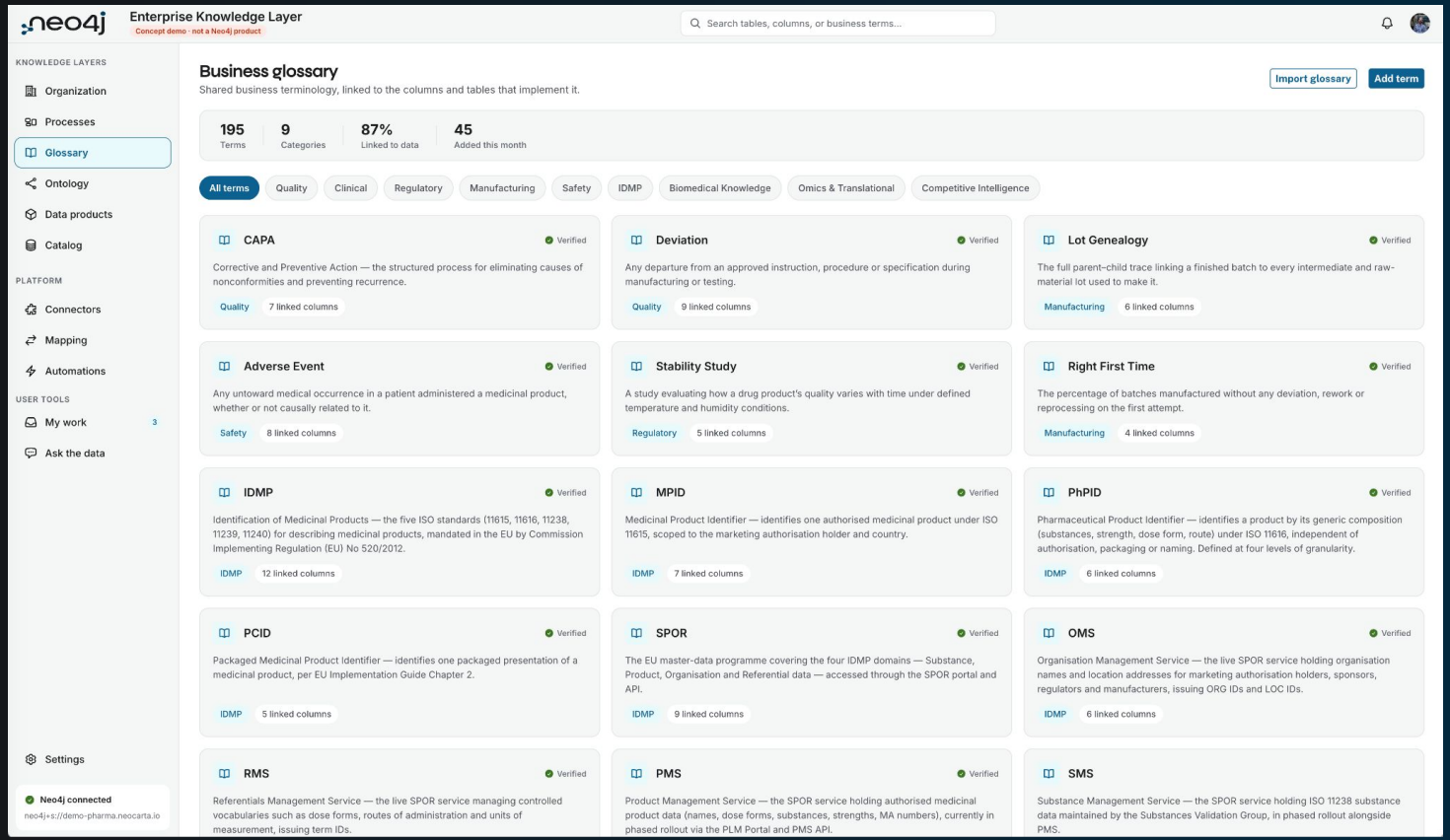
LAYER 01


neo4j
Enterprise Knowledge Layer
Concept demo · not a Neo4j product
Search tables, columns, or business terms...
KNOWLEDGE LAYERS
Organization
Processes
Glossary
Ontology
Data products
Catalog
PLATFORM
Connectors
Mapping
Automations
USER TOOLS
My work
Ask the data
Settings
Neo4j connected
neo4j+s://demo-pharma.neocarta.io
Organization
Map functions/roles and see the tasks and data each role touches.
6 functions · 22 roles
95% roles mapped to tasks
Import from HR / CSV
Add role
80%
Helix Therapeutics
BusinessOrganization
Quality
Regulatory Affairs
Clinical Operations
Manufacturing
Research & Development
Competitive Intelligence
QA Specialist
Batch Release Officer
Substance Steward
Regulatory Affairs Manager
Pharmacovigilance Officer
IDMP Data Steward
RIM Systems Manager
Clinical Data Manager
Clinical Trial Lead
Production Supervisor
Supply Planner
Discovery Project Lead
Computational Biologist
Omics Data Scientist
Translational Scientist
Biomedical Ontology Curator
Public Data Steward
Knowledge Graph Engineer
Preclinical Study Director
Competitive Intelligence Lead
Competitive Intelligence An...
Patent Counsel
Import from Workday, BambooHR, or CSV — or drag to restructure
Computational Biologist
ROLE
Owns target evidence assembly — Open Targets association and evidence review, Reactome mechanism checks and omics interpretation.
FUNCTION
Research & Development
BusinessFunction · Helix Therapeutics
PERFORMS · 6 TASKS
Assemble evidence dossier
Target evidence review
Check pathway mechanism
Target evidence review
Deprioritise target
Target evidence review
View all 6 →
DATA TOUCHED
Target–Disease Evidence
Multi-omics Concordance
Pathway Mechanism Map
Protein Interaction Map
Differential Expression Atlas
Edit role
Delete role
Highlight on canvas

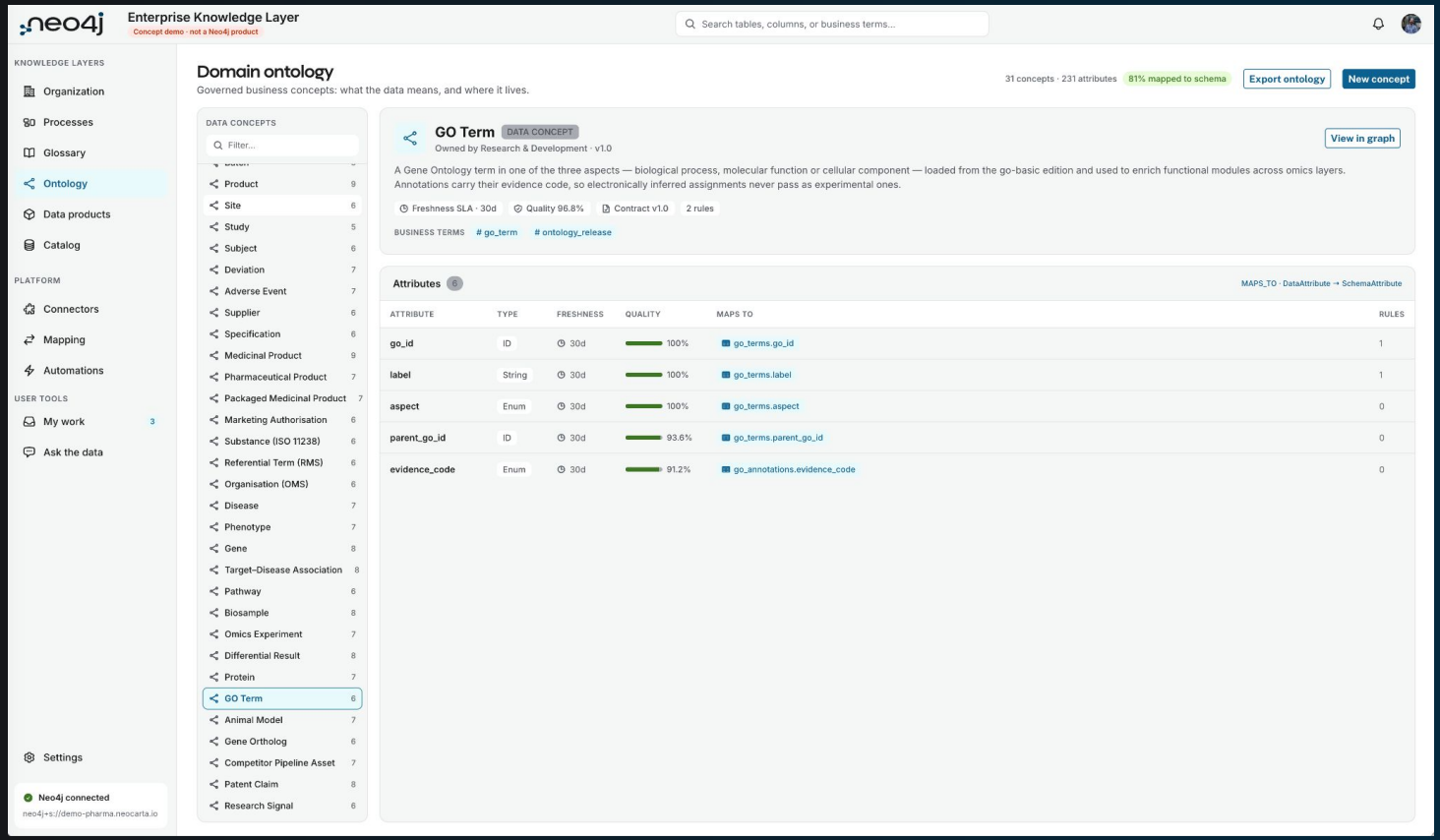
LAYER 01


Enterprise Knowledge Layer
Concept demo · not a Neo4j product
Search tables, columns, or business terms...
KNOWLEDGE LAYERS
Organization
Processes
Glossary
Ontology
Data products
Catalog
PLATFORM
Connectors
Mapping
Automations
USER TOOLS
My work
Ask the data
Settings
Neo4j connected
neo4j+s://demo-pharma.neocarta.io
Processes
Model how work flows through the organization and link every task to the data it uses.
24 processes · 93 tasks
66% linked to data
Import BPMN
New process
BUSINESS FUNCTIONS
Filter...
Quality Management
Deviation & CAPA managem
Log deviation
Assess criticality
Open CAPA
Close deviation
Implement corrective action
Verify effectiveness
Release held batches
Batch release
Pharmacovigilance
Clinical Operations
Supply & Planning
Regulatory Information Manag
Biomedical Knowledge & Publi
Multi-omics & Translational
Competitive Intelligence
Freedom-to-operate check
Competitive target scan
Scan competitive signal
Cross-reference publications
Deprioritise crowded target
Assess competitive priority
Drug repurposing signal
Patent extension review
COMPETITIVE INTELLIGENCE ANALYST
100%
Scan signal
2 CI Analyst
Cross-reference
CI Analyst
Under-crowded?
no · deprioritise
Deprioritise crowded target
CI Analyst
DISCOVERY PROJECT LEAD
yes · prioritise
Assess priority
2 Discovery
Double-click to add a task · drag between nodes to connect
Competitive target scan
BUSINESS PROCESS
4 tasks across 2 lanes. Select a node on the canvas to see its details, or double-click a node to edit it.

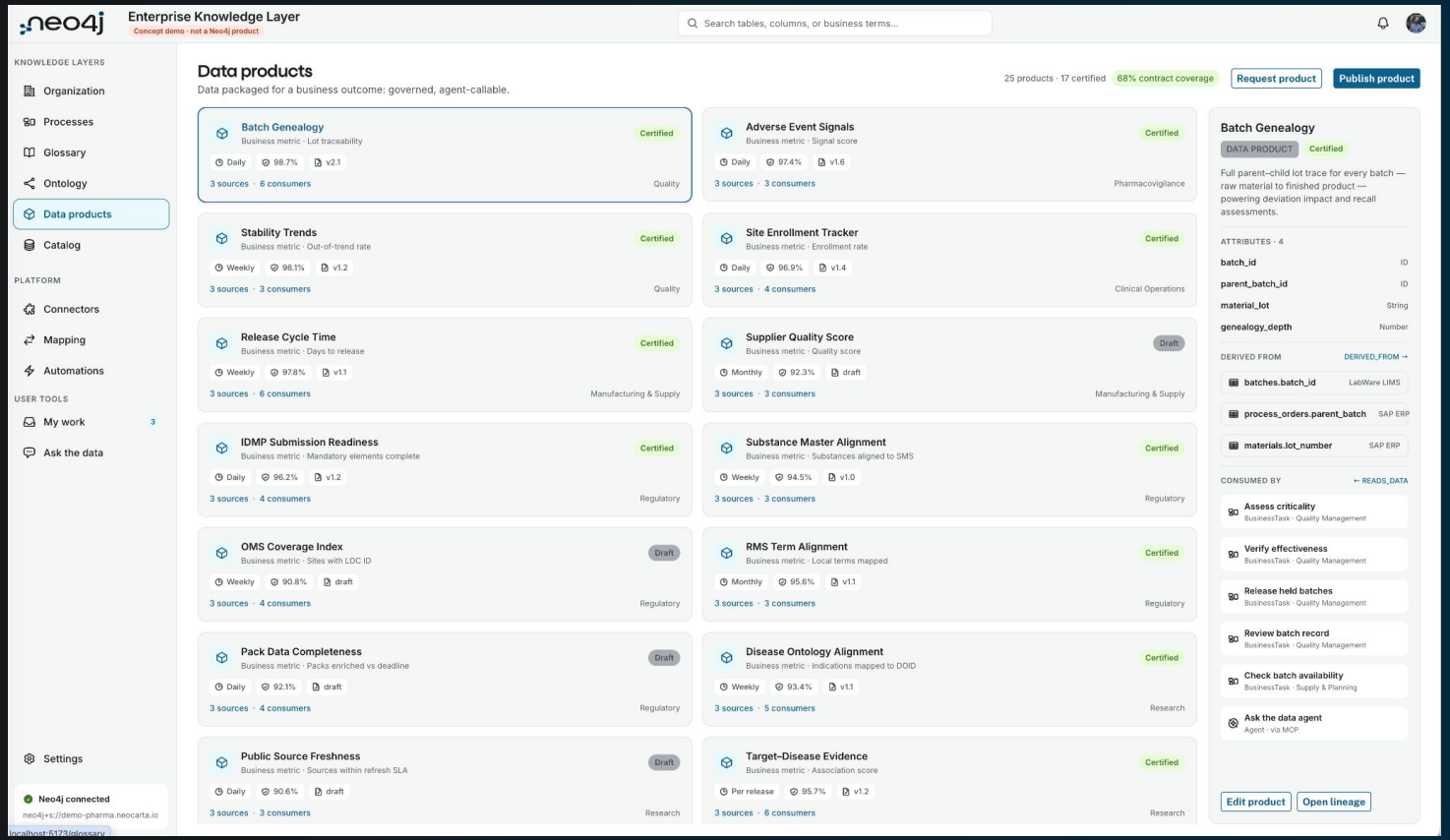
LAYER 02


neo4j
Enterprise Knowledge Layer
Concept demo · not a Neo4j product
Search tables, columns, or business terms...
KNOWLEDGE LAYERS
Organization
Processes
Glossary
Ontology
Data products
Catalog
PLATFORM
Connectors
Mapping
Automations
USER TOOLS
My work 3
Ask the data
Settings
Neo4j connected
neo4j+s://demo-pharma.neocarta.io
Business glossary
Shared business terminology, linked to the columns and tables that implement it.
Import glossary
Add term
195 Terms
9 Categories
87% Linked to data
45 Added this month
All terms
Quality
Clinical
Regulatory
Manufacturing
Safety
IDMP
Biomedical Knowledge
Omics & Translational
Competitive Intelligence
CAPA
Verified
Corrective and Preventive Action — the structured process for eliminating causes of nonconformities and preventing recurrence.
Quality
7 linked columns
Deviation
Verified
Any departure from an approved instruction, procedure or specification during manufacturing or testing.
Quality
9 linked columns
Lot Genealogy
Verified
The full parent–child trace linking a finished batch to every intermediate and raw-material lot used to make it.
Manufacturing
6 linked columns
Adverse Event
Verified
Any untoward medical occurrence in a patient administered a medicinal product, whether or not causally related to it.
Safety
8 linked columns
Stability Study
Verified
A study evaluating how a drug product's quality varies with time under defined temperature and humidity conditions.
Regulatory
5 linked columns
Right First Time
Verified
The percentage of batches manufactured without any deviation, rework or reprocessing on the first attempt.
Manufacturing
4 linked columns
IDMP
Verified
Identification of Medicinal Products — the five ISO standards (11615, 11616, 11238, 11239, 11240) for describing medicinal products, mandated in the EU by Commission Implementing Regulation (EU) No 520/2012.
IDMP
12 linked columns
MPID
Verified
Medicinal Product Identifier — identifies one authorised medicinal product under ISO 11615, scoped to the marketing authorisation holder and country.
IDMP
7 linked columns
PhPID
Verified
Pharmaceutical Product Identifier — identifies a product by its generic composition (substances, strength, dose form, route) under ISO 11616, independent of authorisation, packaging or naming. Defined at four levels of granularity.
IDMP
6 linked columns
PCID
Verified
Packaged Medicinal Product Identifier — identifies one packaged presentation of a medicinal product, per EU Implementation Guide Chapter 2.
IDMP
5 linked columns
SPOR
Verified
The EU master-data programme covering the four IDMP domains — Substance, Product, Organisation and Referential data — accessed through the SPOR portal and API.
IDMP
9 linked columns
OMS
Verified
Organisation Management Service — the live SPOR service holding organisation names and location addresses for marketing authorisation holders, sponsors, regulators and manufacturers, issuing ORG IDs and LOC IDs.
IDMP
6 linked columns
RMS
Verified
Referentials Management Service — the live SPOR service managing controlled vocabularies such as dose forms, routes of administration and units of measurement, issuing term IDs.
PMS
Verified
Product Management Service — the SPOR service holding authorised medicinal product data (names, dose forms, substances, strengths, MA numbers), currently in phased rollout via the PLM Portal and PMS API.
SMS
Substance Management Service — the SPOR service holding ISO 11238 substance data maintained by the Substances Validation Group, in phased rollout alongside PMS.

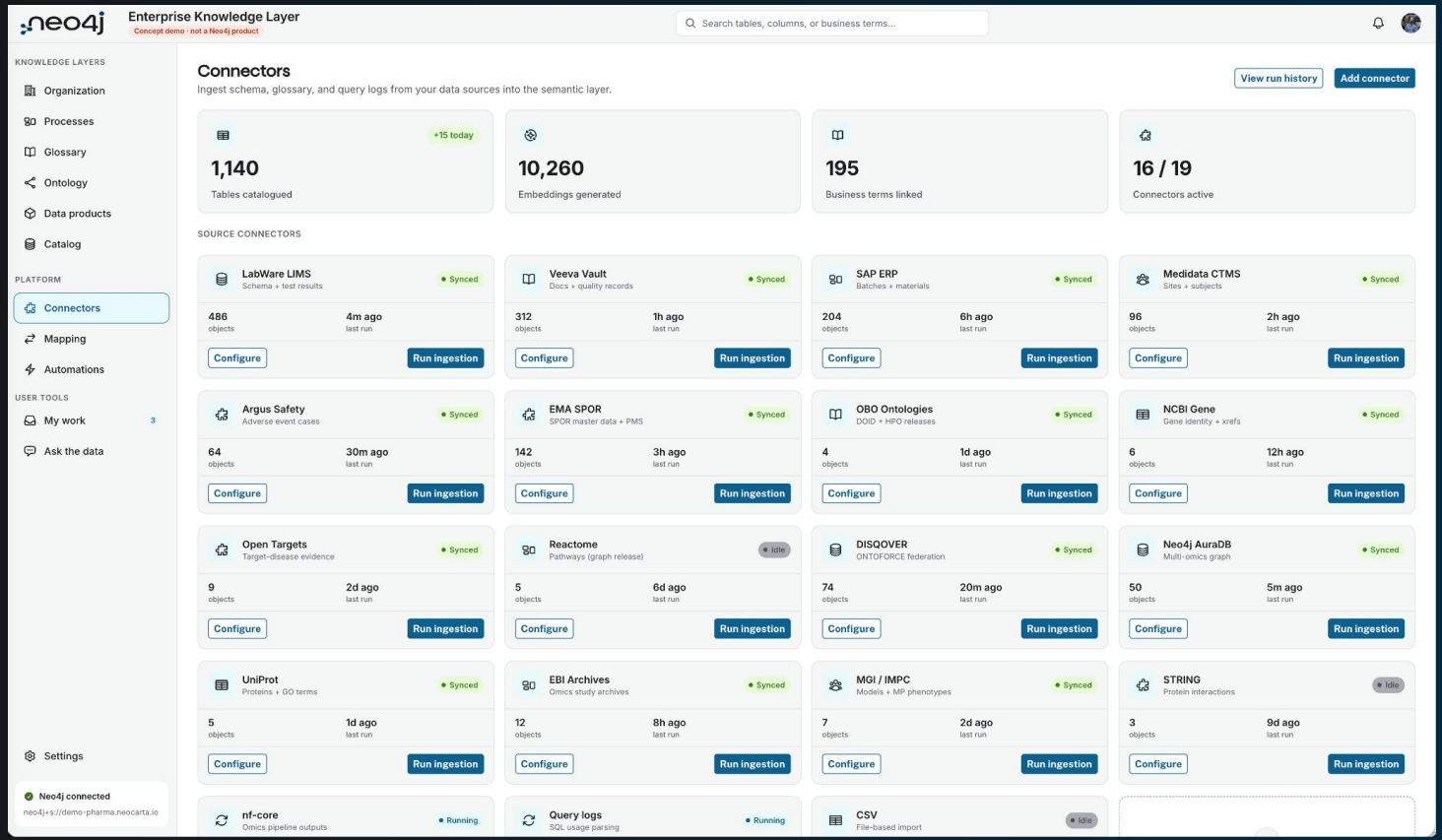
LAYER 02


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KNOWLEDGE LAYERS
Organization
Processes
Glossary
Ontology
Data products
Catalog
PLATFORM
Connectors
Mapping
Automations
USER TOOLS
My work 3
Ask the data
Settings
Neo4j connected
neo4j+s://demo-pharma.neocarta.io
Domain ontology
Governed business concepts: what the data means, and where it lives.
31 concepts · 231 attributes
81% mapped to schema
Export ontology
New concept
DATA CONCEPTS
Filter...
Product 9
Site 6
Study 5
Subject 6
Deviation 7
Adverse Event 7
Supplier 6
Specification 6
Medicinal Product 9
Pharmaceutical Product 7
Packaged Medicinal Product 7
Marketing Authorisation 6
Substance (ISO 11238) 6
Referential Term (RMS) 6
Organisation (OMS) 6
Disease 7
Phenotype 7
Gene 8
Target–Disease Association 8
Pathway 6
Biosample 8
Omics Experiment 7
Differential Result 8
Protein 7
GO Term 6
Animal Model 7
Gene Ortholog 6
Competitor Pipeline Asset 7
Patent Claim 8
Research Signal 6
GO Term
DATA CONCEPT
Owned by Research & Development · v1.0
View in graph
A Gene Ontology term in one of the three aspects — biological process, molecular function or cellular component — loaded from the go-basic edition and used to enrich functional modules across omics layers. Annotations carry their evidence code, so electronically inferred assignments never pass as experimental ones.
Freshness SLA · 30d
Quality 96.8%
Contract v1.0
2 rules
BUSINESS TERMS
go_term
ontology_release
Attributes 6
MAPS_TO · DataAttribute → SchemaAttribute
ATTRIBUTE
TYPE
FRESHNESS
QUALITY
MAPS TO
RULES
go_id ID 30d 100% go_terms.go_id 1
label String 30d 100% go_terms.label 1
aspect Enum 30d 100% go_terms.aspect 0
parent_go_id ID 30d 93.6% go_terms.parent_go_id 0
evidence_code Enum 30d 91.2% go_annotations.evidence_code 0

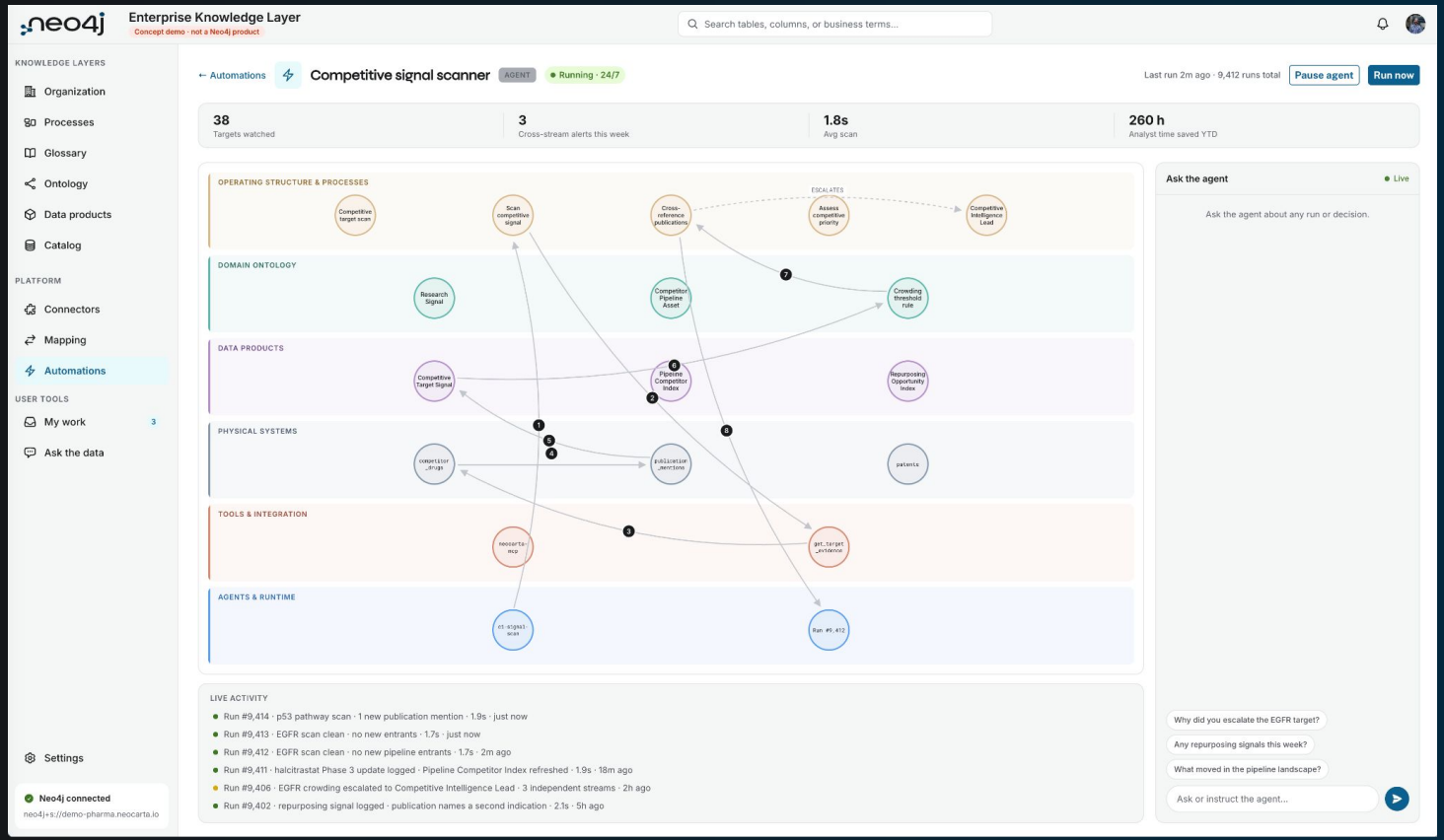
LAYER 03+04


neo4j
Enterprise Knowledge Layer
Concept demo · not a Neo4j product
Search tables, columns, or business terms...
KNOWLEDGE LAYERS
Organization
Processes
Glossary
Ontology
Data products
Catalog
PLATFORM
Connectors
Mapping
Automations
USER TOOLS
My work 3
Ask the data
Settings
Neo4j connected
neo4j+s://demo-pharma.neocarta.io
localhost:5173/glossary
Data products
Data packaged for a business outcome: governed, agent-callable.
25 products · 17 certified
68% contract coverage
Request product
Publish product
Batch Genealogy
Business metric · Lot traceability
Certified
Daily
98.7%
v2.1
3 sources · 6 consumers
Quality
Adverse Event Signals
Business metric · Signal score
Certified
Daily
97.4%
v1.6
3 sources · 3 consumers
Pharmacovigilance
Stability Trends
Business metric · Out-of-trend rate
Certified
Weekly
98.1%
v1.2
3 sources · 3 consumers
Quality
Site Enrollment Tracker
Business metric · Enrollment rate
Certified
Daily
96.9%
v1.4
3 sources · 4 consumers
Clinical Operations
Release Cycle Time
Business metric · Days to release
Certified
Weekly
97.8%
v1.1
3 sources · 6 consumers
Manufacturing & Supply
Supplier Quality Score
Business metric · Quality score
Draft
Monthly
92.3%
draft
3 sources · 3 consumers
Manufacturing & Supply
IDMP Submission Readiness
Business metric · Mandatory elements complete
Certified
Daily
96.2%
v1.2
3 sources · 4 consumers
Regulatory
Substance Master Alignment
Business metric · Substances aligned to SMS
Certified
Weekly
94.5%
v1.0
3 sources · 3 consumers
Regulatory
OMS Coverage Index
Business metric · Sites with LOC ID
Draft
Weekly
90.8%
draft
3 sources · 4 consumers
Regulatory
RMS Term Alignment
Business metric · Local terms mapped
Certified
Monthly
95.6%
v1.1
3 sources · 3 consumers
Regulatory
Pack Data Completeness
Business metric · Packs enriched vs deadline
Draft
Daily
92.1%
draft
3 sources · 4 consumers
Regulatory
Disease Ontology Alignment
Business metric · Indications mapped to DOID
Certified
Weekly
93.4%
v1.1
3 sources · 5 consumers
Research
Public Source Freshness
Business metric · Sources within refresh SLA
Draft
Daily
90.6%
draft
3 sources · 3 consumers
Research
Target–Disease Evidence
Business metric · Association score
Certified
Per release
95.7%
v1.2
3 sources · 6 consumers
Research
Batch Genealogy
DATA PRODUCT
Certified
Full parent–child lot trace for every batch — raw material to finished product — powering deviation impact and recall assessments.
ATTRIBUTES · 4
batch_id ID
parent_batch_id ID
material_lot String
genealogy_depth Number
DERIVED FROM
DERIVED_FROM →
batches.batch_id LabWare LIMS
process_orders.parent_batch SAP ERP
materials.lot_number SAP ERP
CONSUMED BY
← READS_DATA
Assess criticality
BusinessTask · Quality Management
Verify effectiveness
BusinessTask · Quality Management
Release held batches
BusinessTask · Quality Management
Review batch record
BusinessTask · Quality Management
Check batch availability
BusinessTask · Supply & Planning
Ask the data agent
Agent · via MCP
Edit product
Open lineage

LAYER 05


neo4j
Enterprise Knowledge Layer
Concept demo · not a Neo4j product
Search tables, columns, or business terms...
KNOWLEDGE LAYERS
Organization
Processes
Glossary
Ontology
Data products
Catalog
PLATFORM
Connectors
Mapping
Automations
USER TOOLS
My work 3
Ask the data
Settings
Neo4j connected
neo4j+s://demo-pharma.neocarta.io
Connectors
Ingest schema, glossary, and query logs from your data sources into the semantic layer.
View run history
Add connector
+15 today
1,140
Tables catalogued
10,260
Embeddings generated
195
Business terms linked
16 / 19
Connectors active
SOURCE CONNECTORS
LabWare LIMS
Schema + test results
Synced
486 objects
4m ago last run
Configure
Run ingestion
Veeva Vault
Docs + quality records
Synced
312 objects
1h ago last run
Configure
Run ingestion
SAP ERP
Batches + materials
Synced
204 objects
6h ago last run
Configure
Run ingestion
Medidata CTMS
Sites + subjects
Synced
96 objects
2h ago last run
Configure
Run ingestion
Argus Safety
Adverse event cases
Synced
64 objects
30m ago last run
Configure
Run ingestion
EMA SPOR
SPOR master data + PMS
Synced
142 objects
3h ago last run
Configure
Run ingestion
OBO Ontologies
DOID + HPO releases
Synced
4 objects
1d ago last run
Configure
Run ingestion
NCBI Gene
Gene identity + xrefs
Synced
6 objects
12h ago last run
Configure
Run ingestion
Open Targets
Target–disease evidence
Synced
9 objects
2d ago last run
Configure
Run ingestion
Reactome
Pathways (graph release)
Idle
5 objects
6d ago last run
Configure
Run ingestion
DISQOVER
ONTOFORCE federation
Synced
74 objects
20m ago last run
Configure
Run ingestion
Neo4j AuraDB
Multi-omics graph
Synced
50 objects
5m ago last run
Configure
Run ingestion
UniProt
Proteins + GO terms
Synced
5 objects
1d ago last run
Configure
Run ingestion
EBI Archives
Omics study archives
Synced
12 objects
8h ago last run
Configure
Run ingestion
MGI / IMPC
Models + MP phenotypes
Synced
7 objects
2d ago last run
Configure
Run ingestion
STRING
Protein interactions
Idle
3 objects
9d ago last run
Configure
Run ingestion
nf-core
Omics pipeline outputs
Running
Query logs
SQL usage parsing
Running
CSV
File-based import
Idle

LAYER 06


neo4j
Enterprise Knowledge Layer
Concept demo · not a Neo4j product
Search tables, columns, or business terms...
KNOWLEDGE LAYERS
Organization
Processes
Glossary
Ontology
Data products
Catalog
PLATFORM
Connectors
Mapping
Automations
USER TOOLS
My work
3
Ask the data
Settings
Neo4j connected
neo4j+s://demo-pharma.neocarta.io
← Automations
Competitive signal scanner
AGENT
Running · 24/7
Last run 2m ago · 9,412 runs total
Pause agent
Run now
38
Targets watched
3
Cross-stream alerts this week
1.8s
Avg scan
260 h
Analyst time saved YTD
OPERATING STRUCTURE & PROCESSES
DOMAIN ONTOLOGY
DATA PRODUCTS
PHYSICAL SYSTEMS
TOOLS & INTEGRATION
AGENTS & RUNTIME
ESCALATES
Competitive target scan
Scan competitive signal
Cross-reference publications
Assess competitive priority
Competitive Intelligence Lead
Research Signal
Competitor Pipeline Asset
Crowding threshold rule
Competitive Target Signal
Pipeline Competitor Index
Repurposing Opportunity Index
competitor_drugs
publication_mentions
patents
neocarta-mcp
get_target_evidence
ct-signal-scan
Run #9,412
LIVE ACTIVITY
Run #9,414 · p53 pathway scan · 1 new publication mention · 1.9s · just now
Run #9,413 · EGFR scan clean · no new entrants · 1.7s · just now
Run #9,412 · EGFR scan clean · no new pipeline entrants · 1.7s · 2m ago
Run #9,411 · halcitrastat Phase 3 update logged · Pipeline Competitor Index refreshed · 1.9s · 18m ago
Run #9,406 · EGFR crowding escalated to Competitive Intelligence Lead · 3 independent streams · 2h ago
Run #9,402 · repurposing signal logged · publication names a second indication · 2.1s · 5h ago
Ask the agent
Live
Ask the agent about any run or decision.
Why did you escalate the EGFR target?
Any repurposing signals this week?
What moved in the pipeline landscape?
Ask or instruct the agent...

THE SIX LAYERS

Every layer already runs in Production.

Now they need to run as one.

LAYER	FINANCIAL SERVICES	TECHNOLOGY AND CLOUD	MANUFACTURING	LIFE SCIENCES	PUBLIC SECTOR	AI AND AGENT FRAMEWORKS
01 Process, people and organisation What the business does and who is accountable	Large US bank Global 500 investment bank	Leading cloud provider	Boston Scientific Caterpillar	AstraZeneca Novartis	US Army	
02 Domain ontology How the business defines its concepts and rules	Large European bank			AstraZeneca Bayer J&J Merck 2x Fortune 100 US Pharma		
03 Data products Consumption-ready datasets for an outcome	Tier 1 UK bank · live UBS			DZD		
04 Physical systems Tables, columns, feeds and lineage	Tier 1 UK bank · live UBS	Leading cloud provider		Syngenta		
05 Tools and integration MCP endpoints agents call to act	Tier 1 UK bank · live					
06 Agent traceability and memory Traces, evaluation, memory and feedback						Graphiti (Zep) Cognee

TIER 1 UK BANK, LAYERS 3 TO 5 LIVE

98% retrieval accuracy **0%** false positives **60%** lower token cost **30%** faster response across a 250-question benchmark

PROVEN IMPACT: TIER 1 UK BANK

98%
Retrieval Accuracy

0%
False Positives

60%
Reduced Token Cost

30%
Decrease in Response Time



Thanks!

See you at booth 216