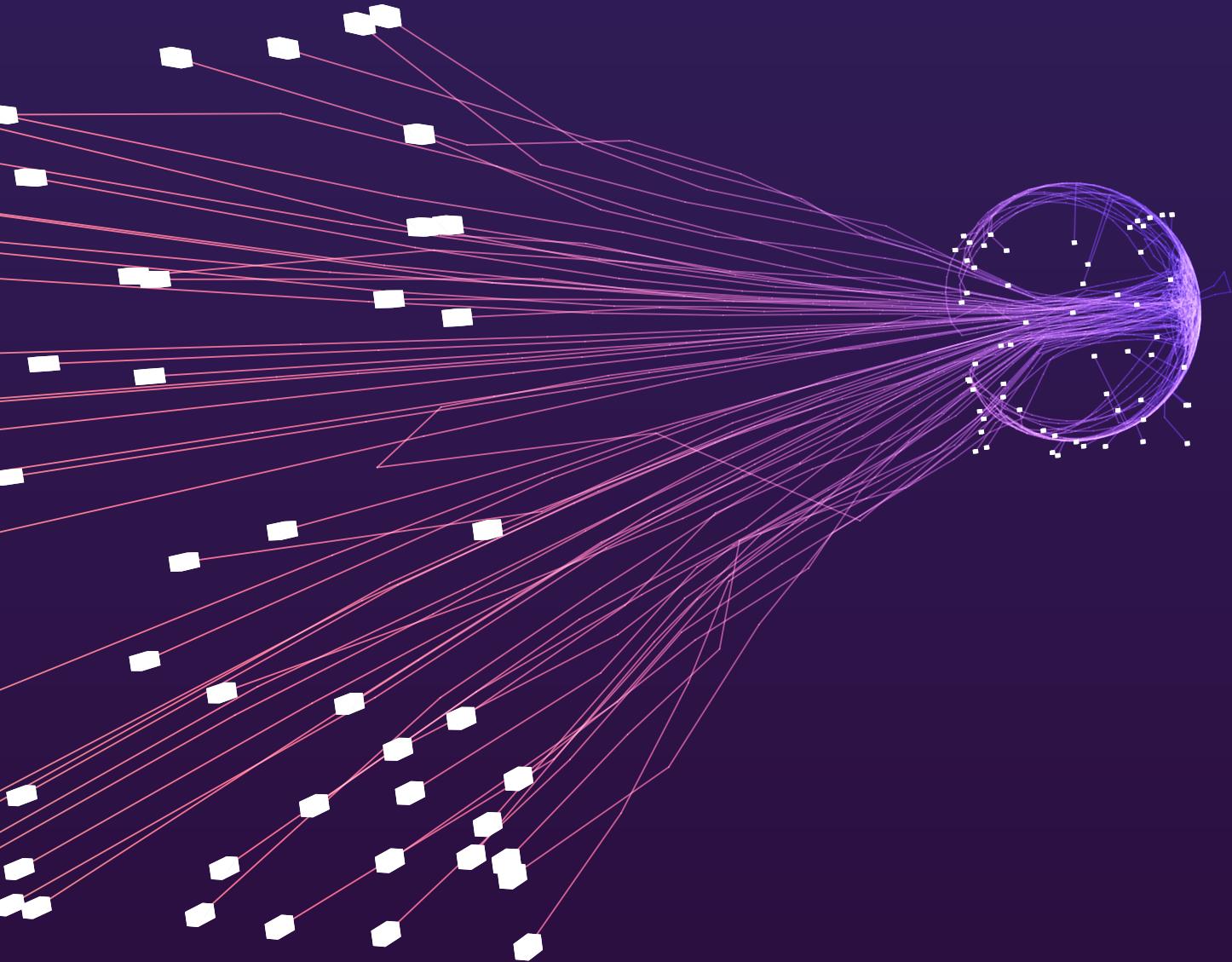


excelra

Where data means more

**Discover new insights
from connected data**



Data silos remain a major hurdle in drug development, slowing down the process of converting data into knowledge inferences and insights for novel discoveries. Employ semantic technologies to dismantle silos and create linkages across a variety of sources and data types to drive drug innovation and knowledge graph creation.

Isolated data sources to an integrated ecosystem

Excelra powers semantic data integration and domain-specific, customized knowledge graph creation with an end-to-end service offering. Biopharma companies rely on Excelra to discover hidden truths and give meaning to isolated data, and thus generate insights quickly and accurately.

Service offering

Data integration and semantic modelling



Semantic data modelling



Legacy data transformation



Master data management



Data FAIRification



RDF triple generation customized and efficient search engine



Customized data analysis and interpretation



Meta and custom data curation



Ontology mapping and management

Supports integration of

20 biomedical databases

30 edge types

37M triples

8.5M nodes

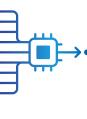
Proprietary knowledge graph creation

 Custom target schema

 Existing experience with multiple sources via EBKG

 Domain context-based knowledge graph creation

 Personalized query set-up

 Gaining insights from knowledge graphs using machine learning models

 Support for specific use cases

Supports integration of

20 biomedical databases

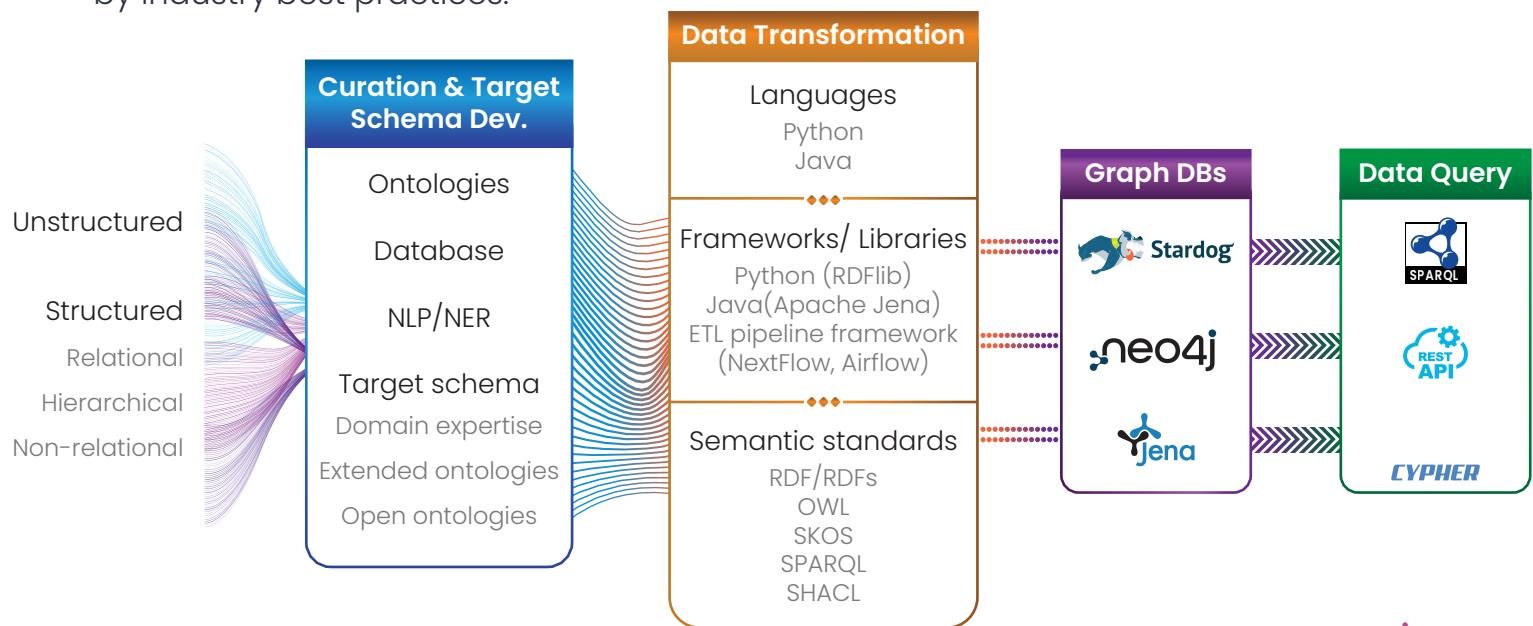
15 biomedical concepts

30 edge types

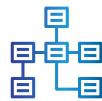
30M facts

The Excelra way: Fast-track to innovation

Boost the ability of IT and data management heads to meet the specific and complex needs of bench scientists with our consultative and domain-driven approach backed by industry best practices.



Applications



Ontology and taxonomy management



Data integration and knowledge graph creation



Semantics' tools and technologies evaluation



Semantic data modelling



Data FAIRification



Semantic search

Why us?



Cross-functional teams

- Domain experts well-versed in disease ontologies, use cases and data entities
- Semantic experts with deep technical expertise and experience in biopharma
- Data analysts and engineers for custom solutions deployable on cloud



Ready-to-use mapping libraries

- 15+ biomedical concepts covered
- Knowledge of limitations and gaps in public datasets



Rich experience

- Large pharma clients in US and Europe
- Wide ranging engagements (data integration, ontology management, semantic modeling, graph databases, NER technology, data FAIRification)



Where data means more

excelra

SAN FRANCISCO • BOSTON • LONDON • GHENT/GENT • UTRECHT • HYDERABAD

Connect with our experts: marketing@excelra.com

www.excelra.com