

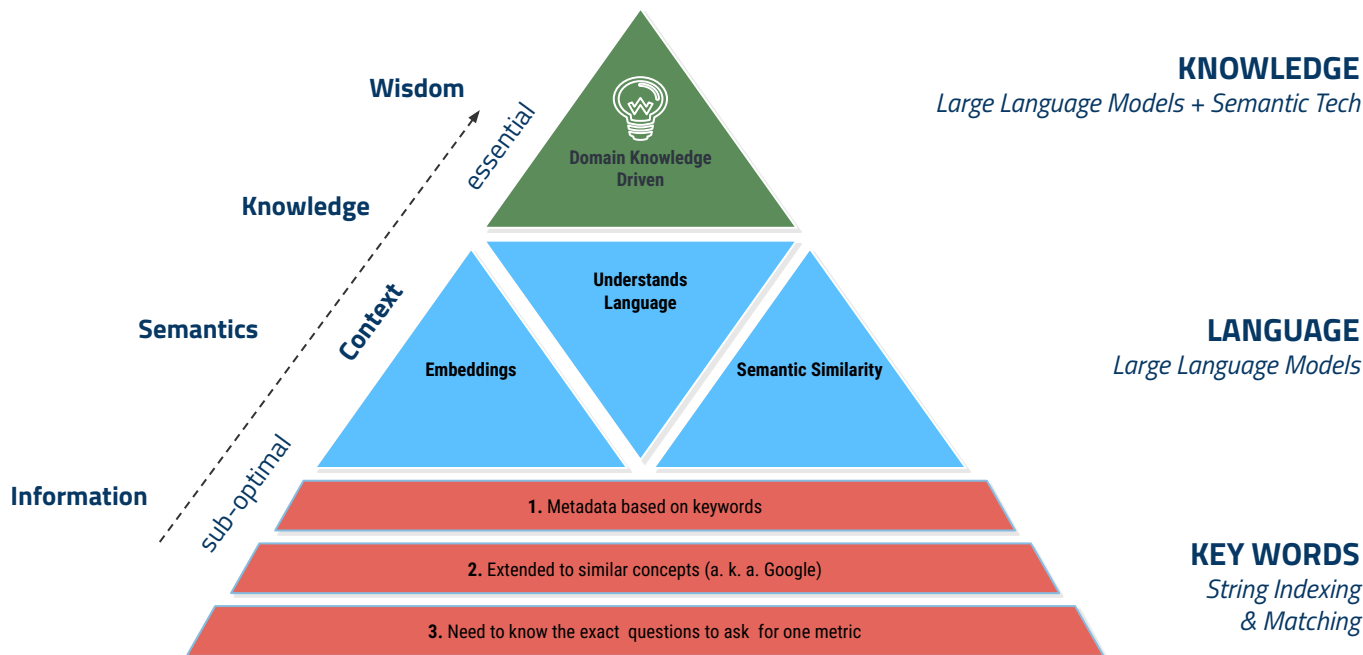
Harvest Knowledge From Language

Harness the power of LLMs and Semantic Technology

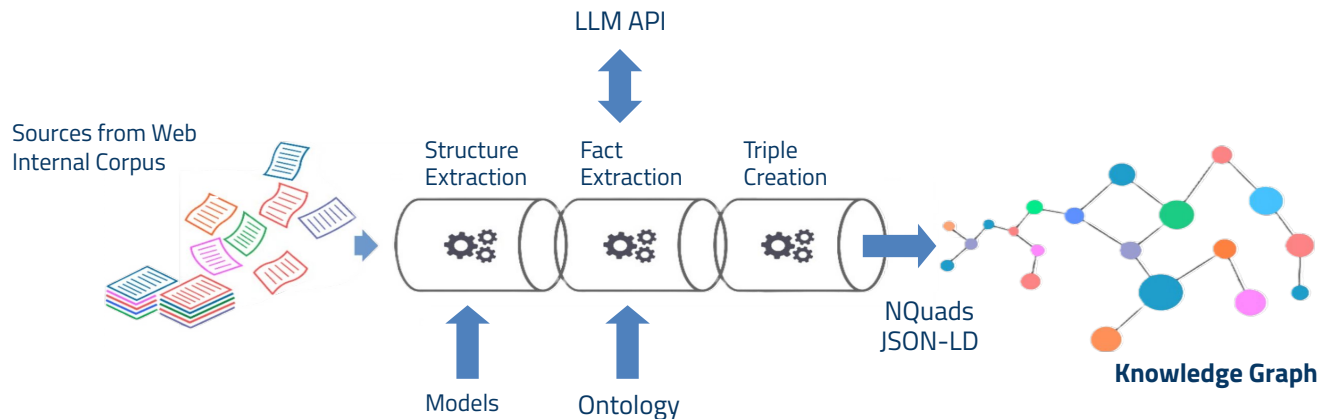
Demo: **TextDistil**

Computable Knowledge Using Ontologies and LLMs

Domain ontology enables construction of Knowledge Graphs that power verifiable search and automated decisions



Graph of facts extracted from text - TextDistil



Knowledge Graph enables powerful
Search and Query API

News – Trade publications, General News, (Factiva, Bloomberg, Reuters, Factset, Morningstar)

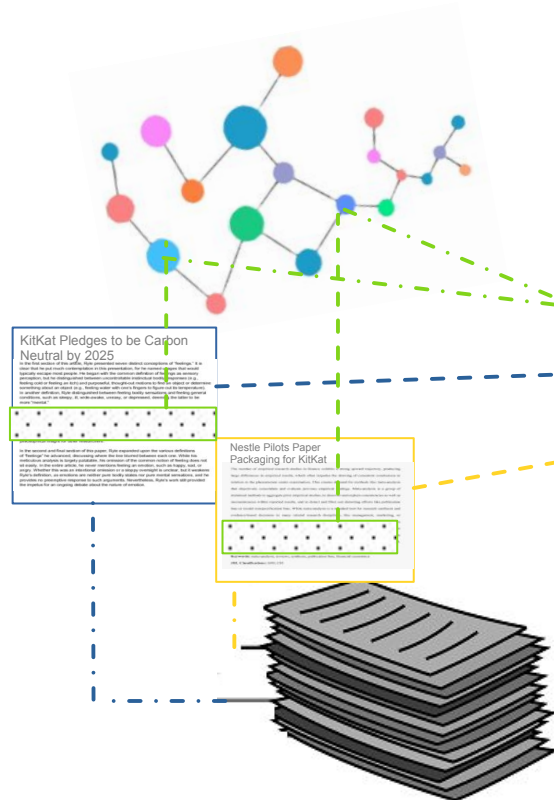
Newsletters – Industry newsletters, digests

Social – Twitter feeds, Blogs

Private – Agreements, Term sheets, internal documents

Public – Fund Strategies, Prospectuses, Financial Analysis reports, SEC filings, Court Filings, BLOGs, Press Releases, Earnings Call transcripts, Etc.

TextDistil powered SEARCH (Multi-hop)



Show Nestle climate claims through partnerships

3. Nestle confectionery product technology centre gets into business arrangement with Coles. KitKat has pledged to become Carbon Neutral by 2025, with the Nestle Confectionery Product Technology Centre aiming to reduce emissions by more than 50 percent.

Nestle Pilots Paper Packaging for KitKat.

KitKat Pledges to be Carbon Neutral by 2025.

Verifiable answers to complex questions

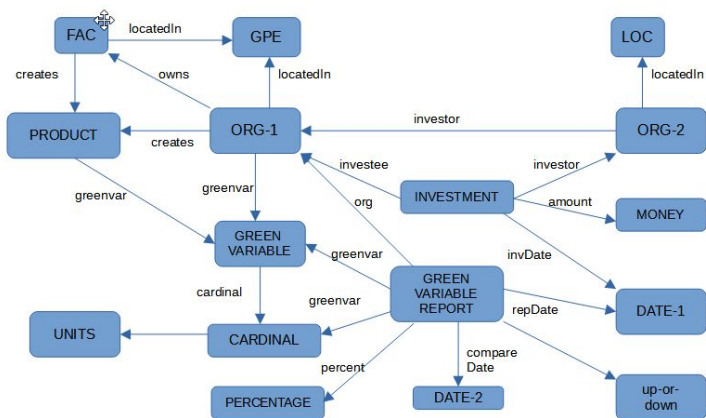
Configure TextDistil to extract ESG Knowledge from News

- **Inputs** - Text documents, **Outputs** - NQuad files, JSON
- **Models** trained on Domain variables (Green Variables, Organizations, etc.)
- Labelled Data based on Taxonomy
- **Ontology**

Vocabularies / Synonym lists

	B	C	D	E	F
1	Biofuels	Biomass energy	Electricity	Energy/ Power	Fossil Fuel
2	biofuel	wood	CO2 free electricity	energy	fossil fuel
3	second generation biofuels	biomass	cleanelectricity	fossil energy	low carbon fuels
4	renewable diesel	waste	electrical	electrical energy	oil
5	sustainable aviation fuel	mine waste	electricity generation	energy projects	gasoline
6	SAF	plastic waste	electrification	affordable energy	crude oil
7	carbon-neutral eFuels	Land and biomass	electric power	power generation and storage	diesel
8	E85 flex fuel	polyethylene	electrical generation capacity	LNG Power	aviation fuel
9	ethanol	organic compost	electricity production capacity	power	fuel
10	ethanol production capacity	mixed plastic waste	electricity generated	power consumption	petroleum products
11	ethanol production	waste plastics	electricity consumption	power generation	Oil and Gas
12	biogas	solar-panel waste	battery	energy consumption	Crude oil production
13	E15 blended gasoline	plastics	battery storage	energy generation	oil equivalent
14	ethanol capacity	organic waste	electric vehicle battery	power supply	fossil-fuel
15	grey hydrogen	electricity from waste	electrical power	power density	motor fuel
16	biomethane production	electricity from biogas	production of electricity	energy density	marine bunker fuels
17	biomethane	dump	consumption of electricity	Round The Clock power	petrol
18	Bio-LNG	plastic	electrical consumption	Flexible Power	oil consumption
19	e-kerosene	wastewater	electric	energy use	Fuel consumption
20	carbon-neutral kerosene	virgin plastic	electricity capacity	energy intensity	diesel fuel
21	cellulosic ethanol	Production of polyester	heat and electricity consumption	Power and energy	petroleum
22	HVO hydrotreated vegetable oil	trash	high electricity usage	energy storage	oils
23	biodiesel	municipal waste	total electricity generation capacity	adsorption energy	Shale oil and gas field
24	clean fuel	biochar	electricity consumption per capital	power capacity	oil production
25	clean fuels	waste and sewage	net electricity consumption	power generation capacity	Oil and Gas Production
26	fuels SAF	BioEnergy	electricity generation capacity	energy supply	crude oil spill
27	green fuel	biomass electricity generation	battery energy storage	Energy Resources	jet
28	green fuels	e-methanol	zinc-air batteries	energy savings	unblended gasoline
29	Green Gas	green e-methanol	batteries	high energy density	fuels
30	green hydrogen fuel	industry waste	grid-scale battery	Total energy transmitted	Gasoil
31	low-carbon biofuels	methanol	battery storage capacity	power production	hydrocarbon oil

Sample Target Extraction Graph



Knowledge Graph Search over Global News

Knowledge Graph auto created from facts extracted from Global News

Knowledge Graph Search over Dow Jones / Factiva news

Let's keep in touch

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