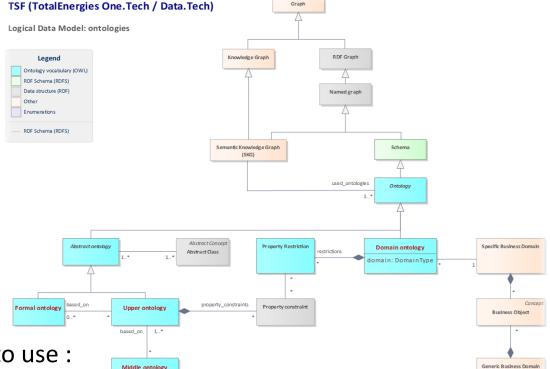
¿ suəsəȝsnos ʎy杰 Why SousLeSens ?

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Claude Fauconnet

Why SousLeSens?

- ✓ Knowldge graphs (KG) become a core concept for Industry
- ✓ KG's needs to be semantized->backed by ontologies ->SKG's
- \checkmark Ontologies and SKG's have to become every day tools easy to use :
 - ✓ Build rigourous domain/application ontologies based on reference ontologies
 - ✓ Convert tabular data into SKG's (build correct mappings is a tricky task)
 - ✓ Easy use of SKG's: API's , exploration, reasoning...



In short : you cannot ask any industrial actor to use Protege

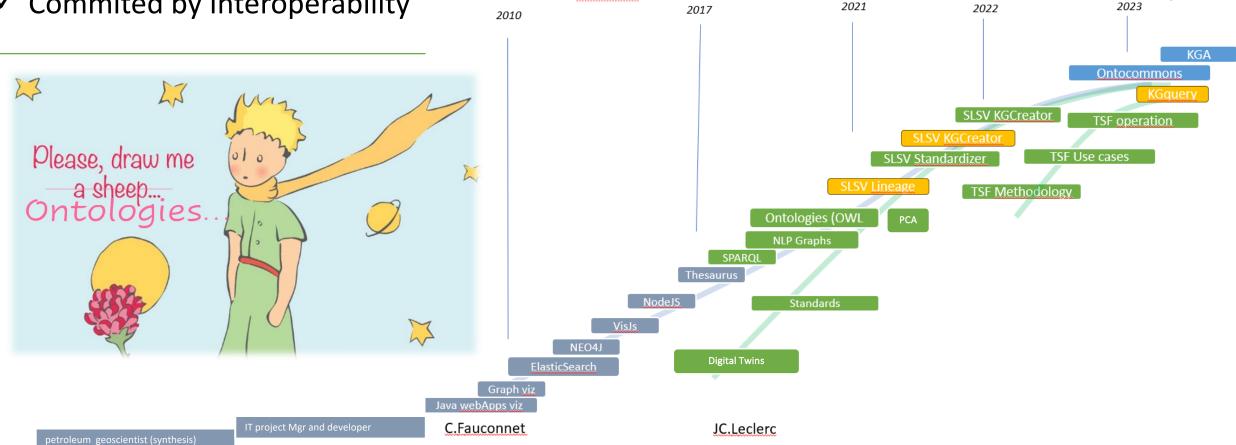
SousLeSens is an open source (license MIT) that ambition to fill the lack of such capabilities

Background : SousLeSens is born under gold

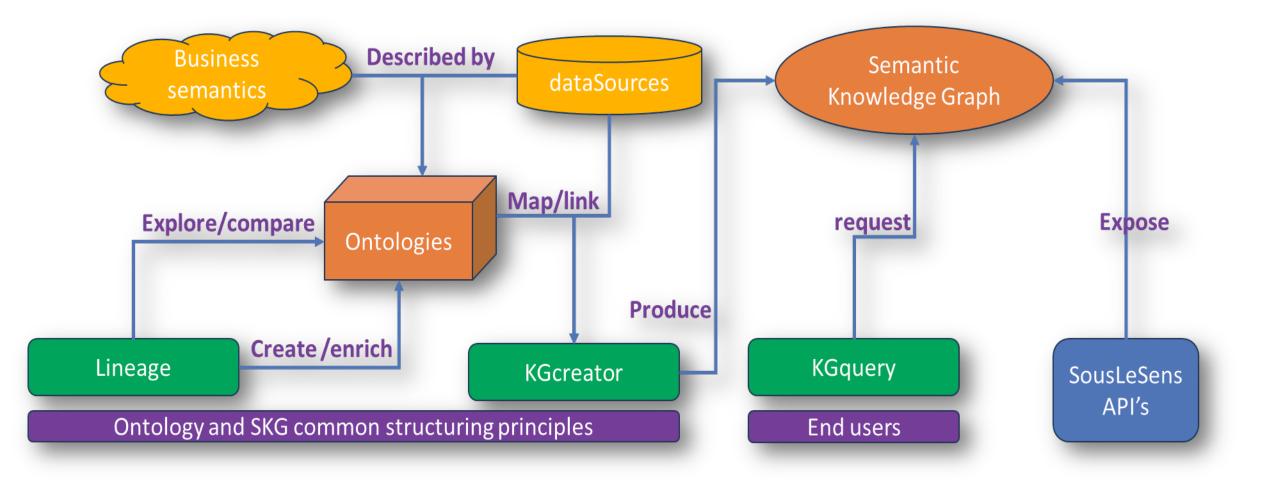
A synthesis/naturalist professional experience (O&G geosciences) dealing every day with :

experience

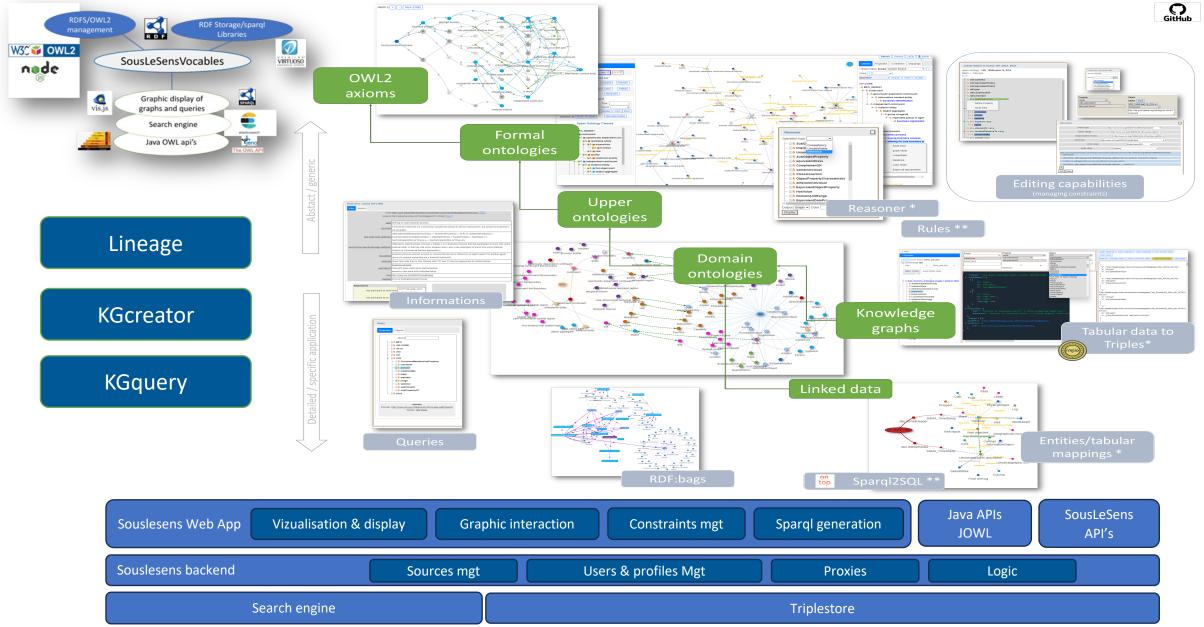
- Mining multiple heterogeneous and complex data
- ✓ Facing Life Cycle dimension and evolutive aspects of things
- \checkmark Grabing complexity by spatial visualization (cartography)
- Committed by Interoperability



SousLeSens Methodology and workflow



SousLeSens Architecture and tools

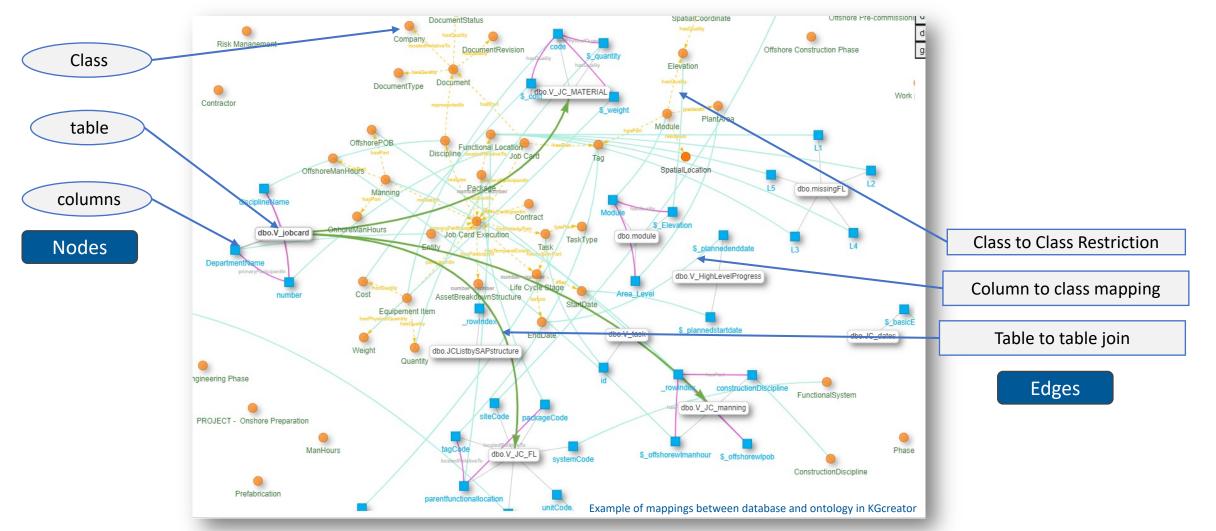


Visual control while building mappings @SousLeSens

Advanced Graph visualization is mandatory to embrace complexity :

- Graphs are poorly understandable using tabular representation
- Graphic interaction autorizes random mining and interpretation

Visualization is not an output, it is part of the graph process



SousLeSens Ambition and roadmap

✓ Short term :

- ✓ Upgrade as part of KGA toolbox
 - ✓ Simplify and improve UX/UI for specific user profiles
 - ✓ Online modular version (SaaS) accessible to members
 - ✓ Write narrative documents and tutorials/trainings

✓ Longer term :

- Enrich functional perimeter : FOL, Axioms, virtual Queries, interoperability
- ✓ Progressive reengineering of code to conform last IT development standards
- ✓ Extensive compliance with KGA methodology and tools

Thank you !

Claude Fauconnet SousLeSens Brussels 10/11/2023