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From Unstructured Text to **Knowledge Graphs**: Towards More Reliable RAG Systems

Khadija ABATTANE

Supervisors : Julien TOURILLE, Sabrina
CAMPANO, Eve SAUVAGE



Motivation & Research Problem

- LLMs powerful but prone to **hallucinations** 🤔
- Knowledge Graphs:** Knowledge graphs have become essential tools for representing world knowledge through interconnected entities and relationships, enabling efficient navigation and pattern discovery
→ transparent, queryable, explainable
- **Challenge:** automated extraction from dense regulatory texts
- **Research objective:** minimize information loss in the text-to-Knowledge Graphs pipeline

Methodology : LLM-Powered Pipeline: From Text to RDF Triples

