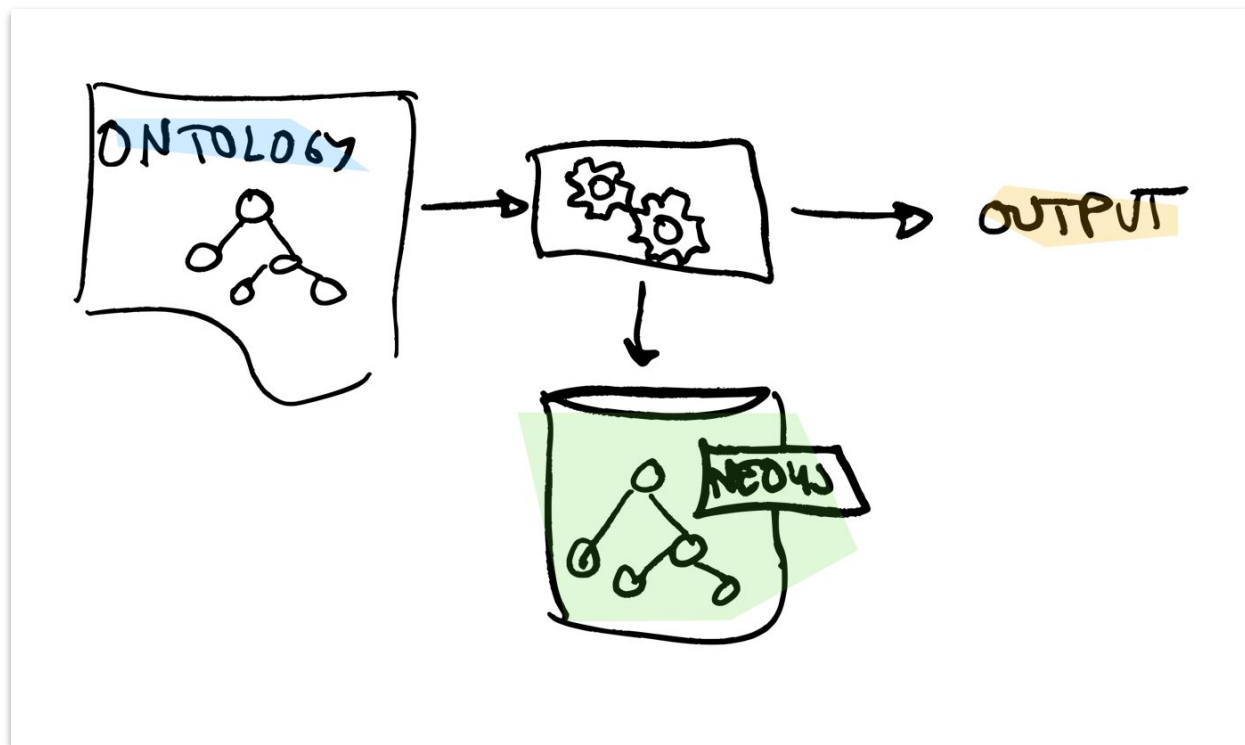


# Going Meta #7: Generating natural language from your Knowledge Graph by annotating ontologies

# The idea (... is not new)



## 3 Step process

**Step 0:** If you haven't done so yet... create the ontology for your KG (or use an existing one, of course).

**Step 1:** Annotate the ontology with NL generation patterns

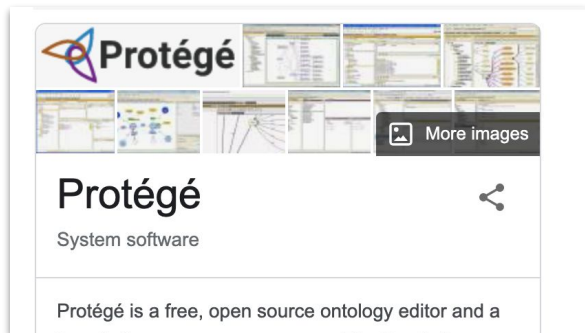
**Step 2:** Load the ontology into Neo4j (or make it accessible to your engine)

**Step 3:** Run your NL generator

# Annotations?

```
@prefix talk: <http://www.neo4j.org/2022/07/talkable#> .
```

```
mv:Movie a owl:Class;  
  rdfs:label "Movie" ;  
  talk:name "title" .
```



```
mv:ACTED_IN rdf:type owl:ObjectProperty ;  
  rdfs:domain <neo4j://graph.schema#Person> ;  
  rdfs:range <neo4j://graph.schema#Movie> ;  
  talk:direct "acted in"@default ,  
    "is in"@short ,  
    "is in the cast of"@long ;  
  talk:inverse "has in it"@default ,  
    "includes"@short ,  
    "includes in the cast"@long ;  
  rdfs:label "ACTED_IN" .
```