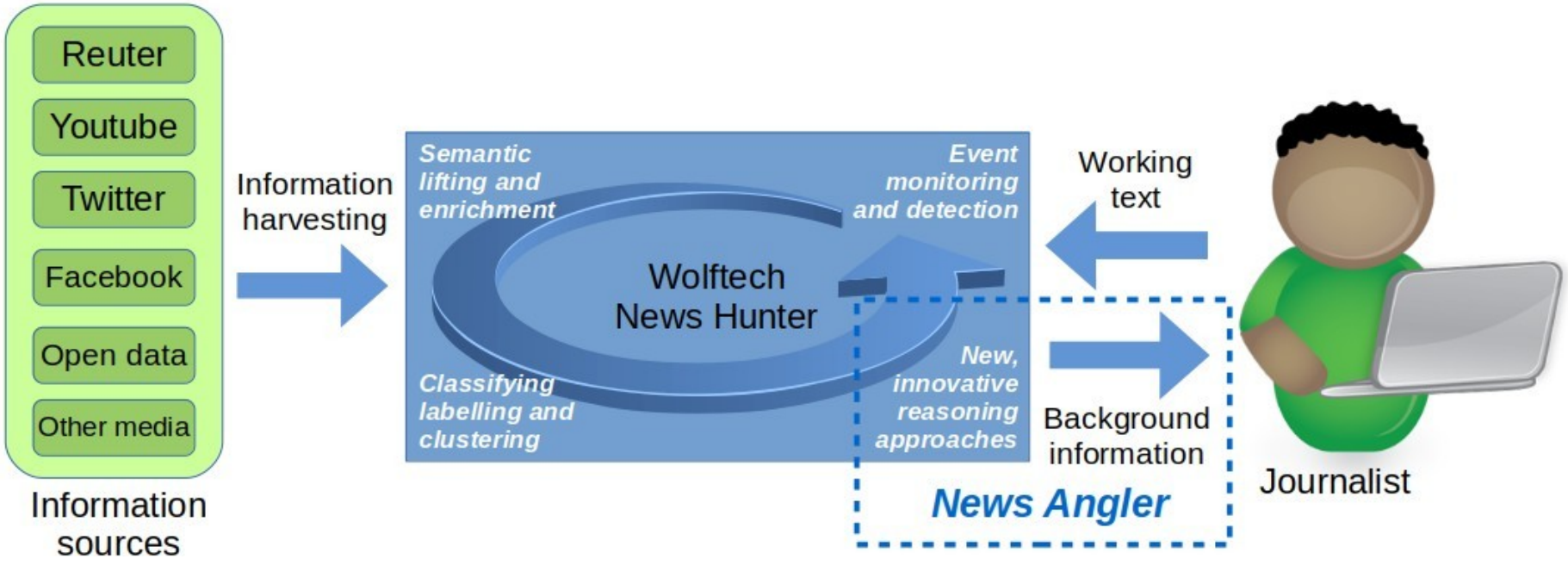
Ontologies for News Angler

Why ontologies? – the News Graph – ontologies – research methods

News Angler



"Wolftech News supports and improves the workflows in a newsroom through mobile solutions for field work that are integrated with central systems for news monitoring, resource management, news editing, and multi-platform publishing"

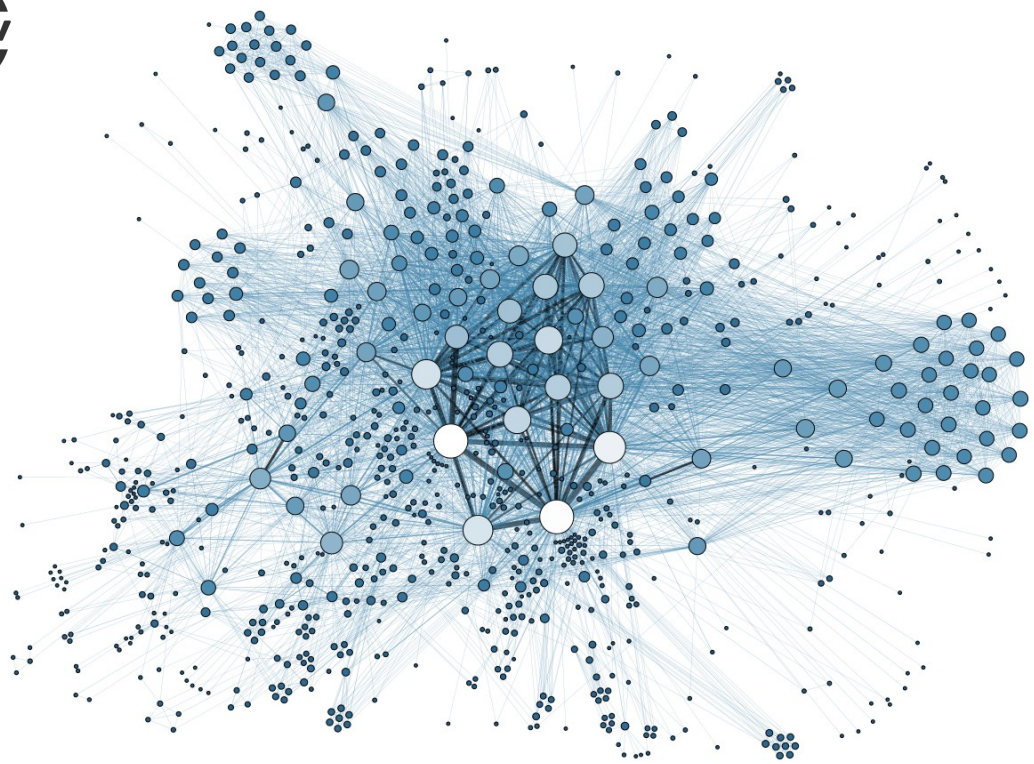
1) Harvesting and analysing messages
2) Growing a semantic news graph
   - concepts, named entities, context…
3) Analysing working texts (stories)
4) Identifying background information
5) Prioritising and preparing
6) Journalistic and editorial preferences

Research: graph, searches, preparation, preferences, language, scaling

Why ontologies in NA?

- Joint understanding of the problem domain
- Structure (each part of) the knowledge graph
- Well-defined vocabularies for lifting, organising, reasoning, retrieving…
- External linking (by reusing from/bridging to existing ontologies)
- Architectural guidance
- Perhaps also some value in formal reasoning

A single central news graph



A single central news graph

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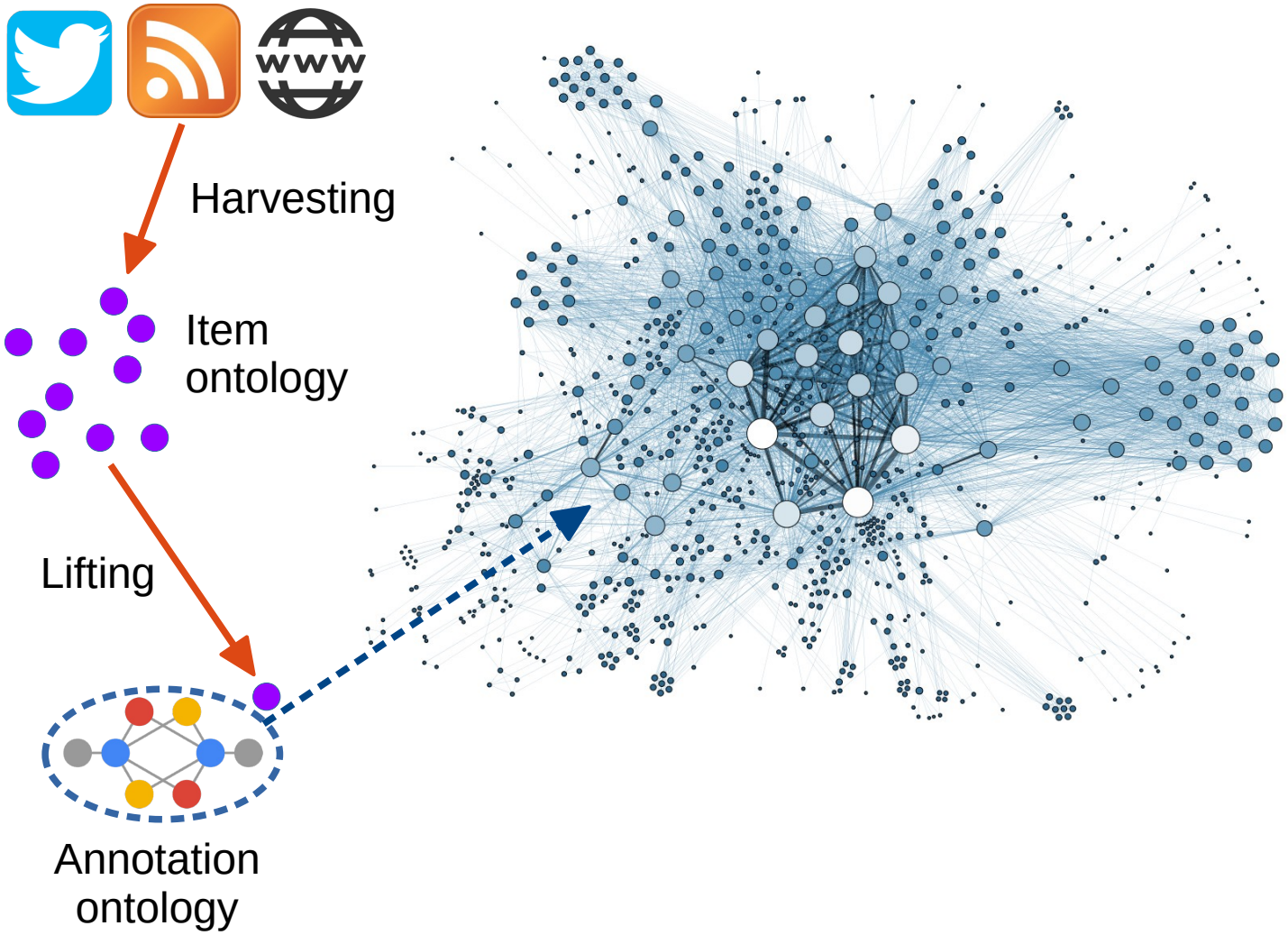
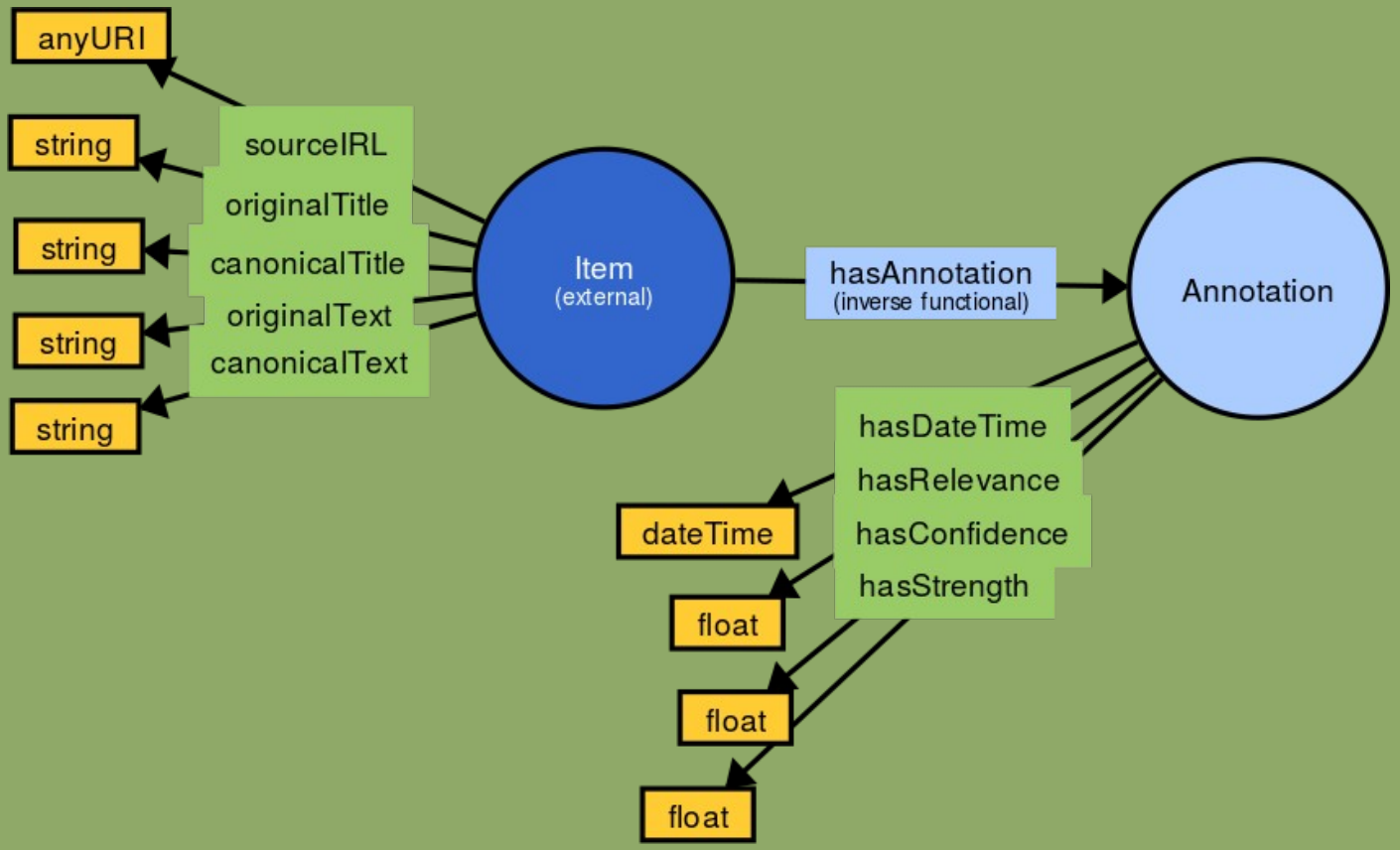


Annotations



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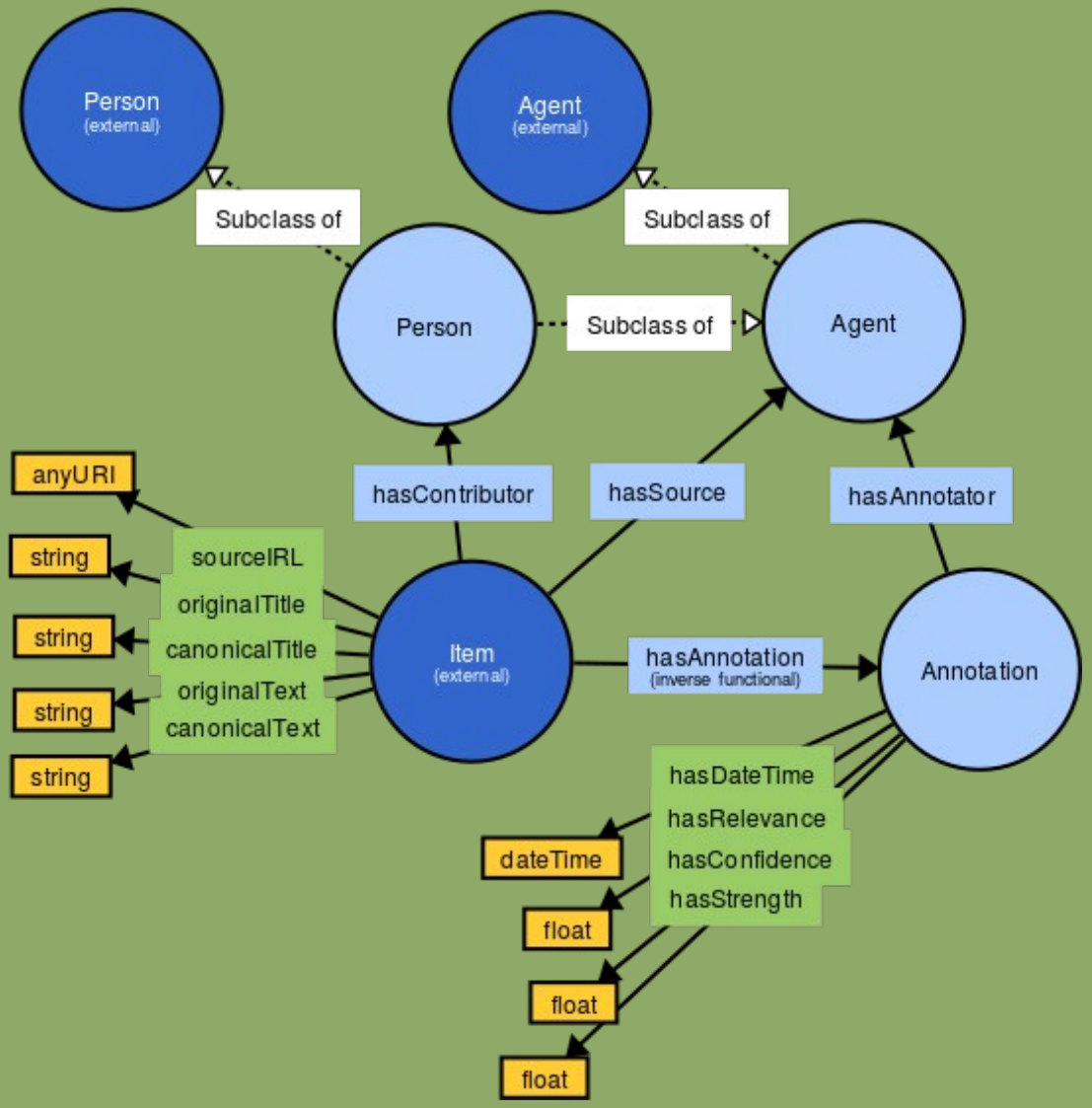

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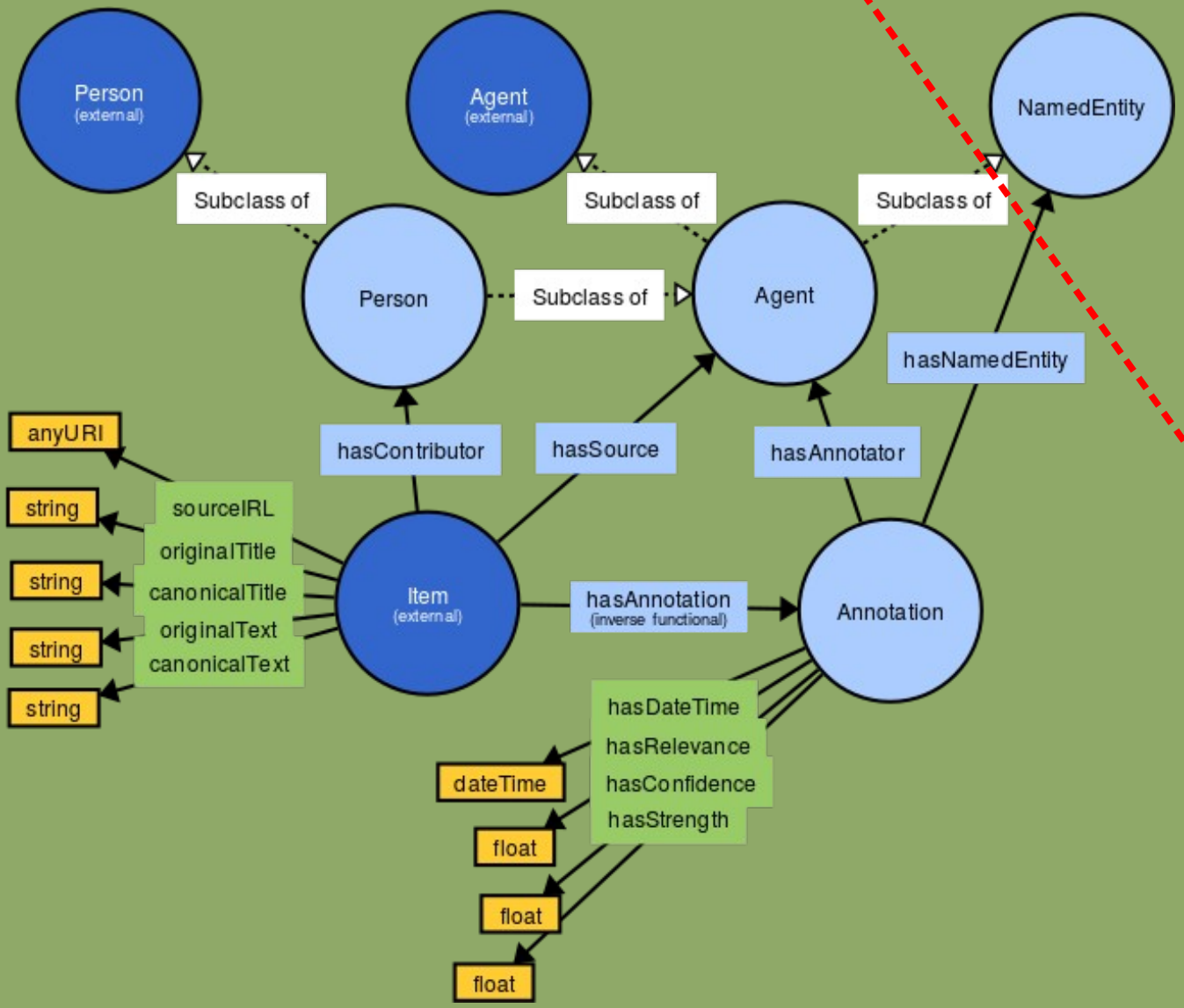

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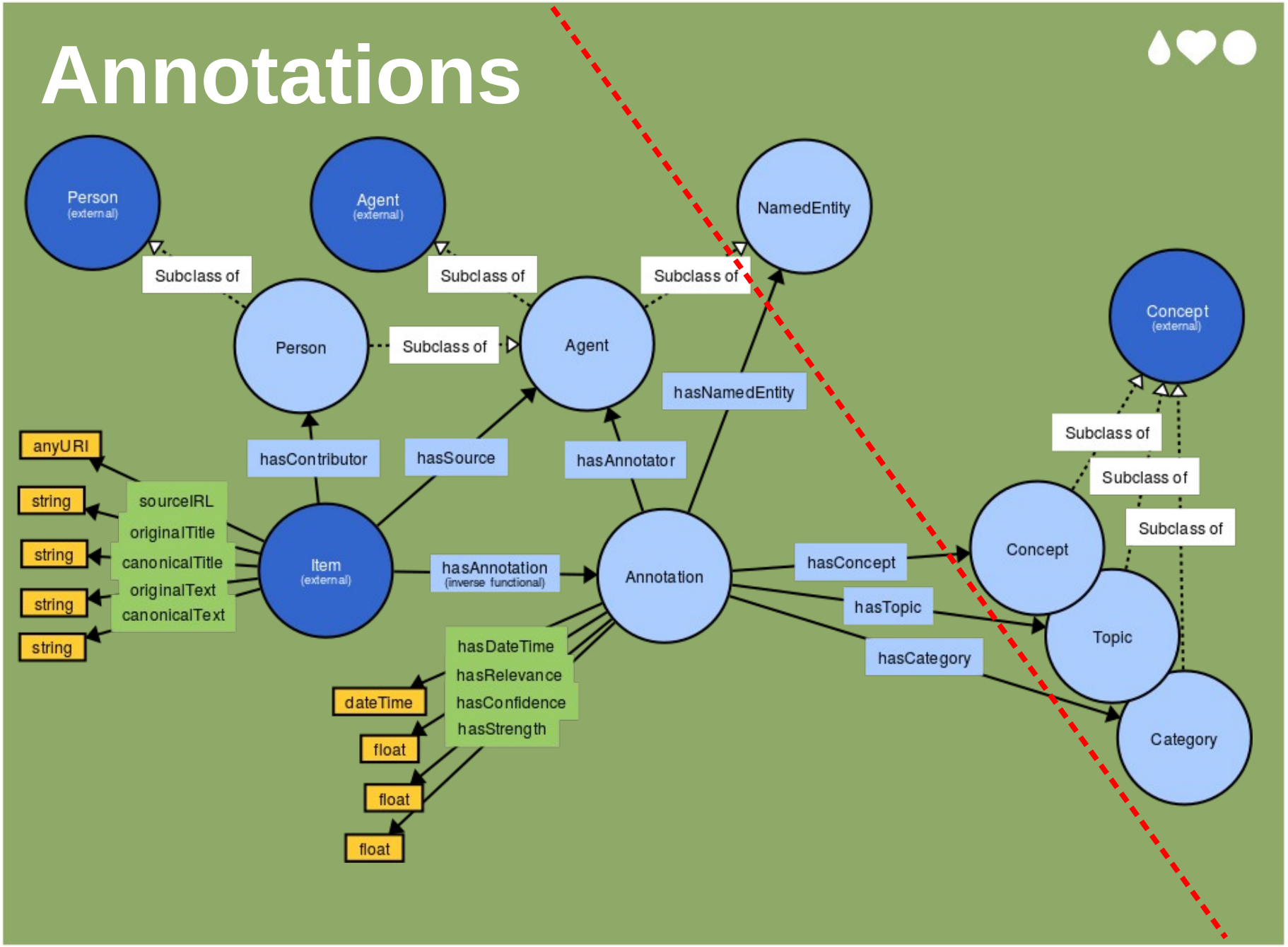

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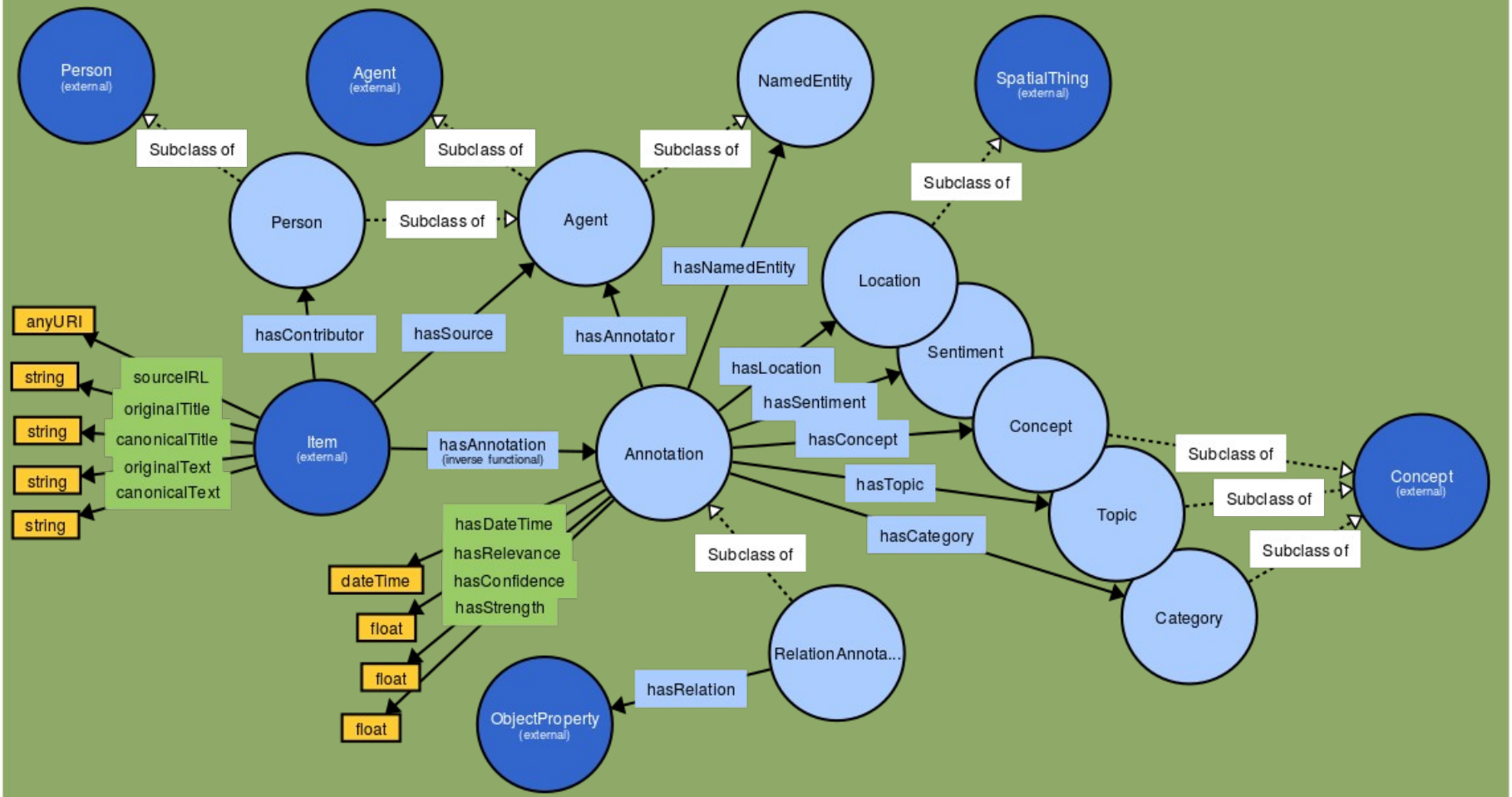

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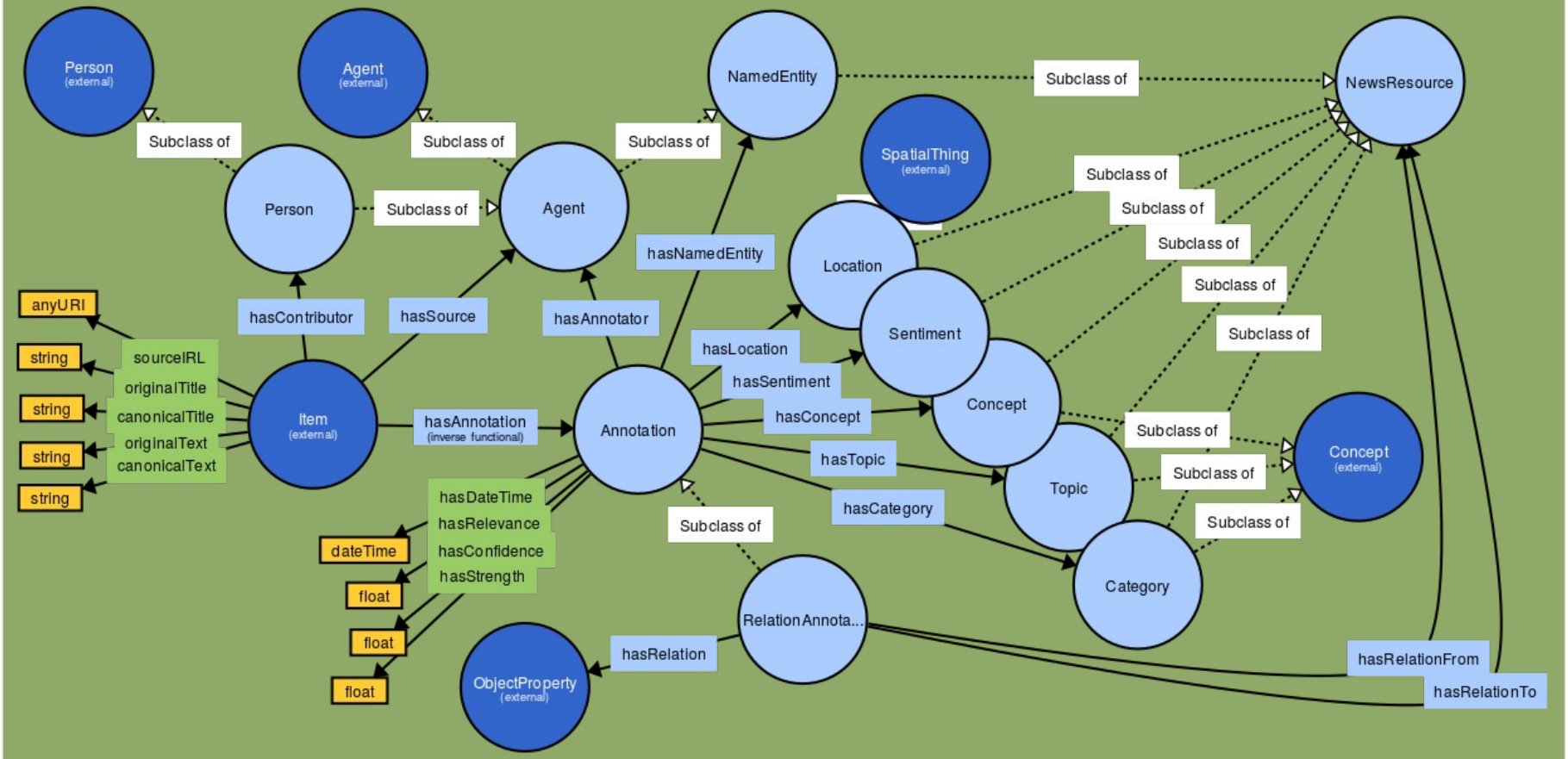

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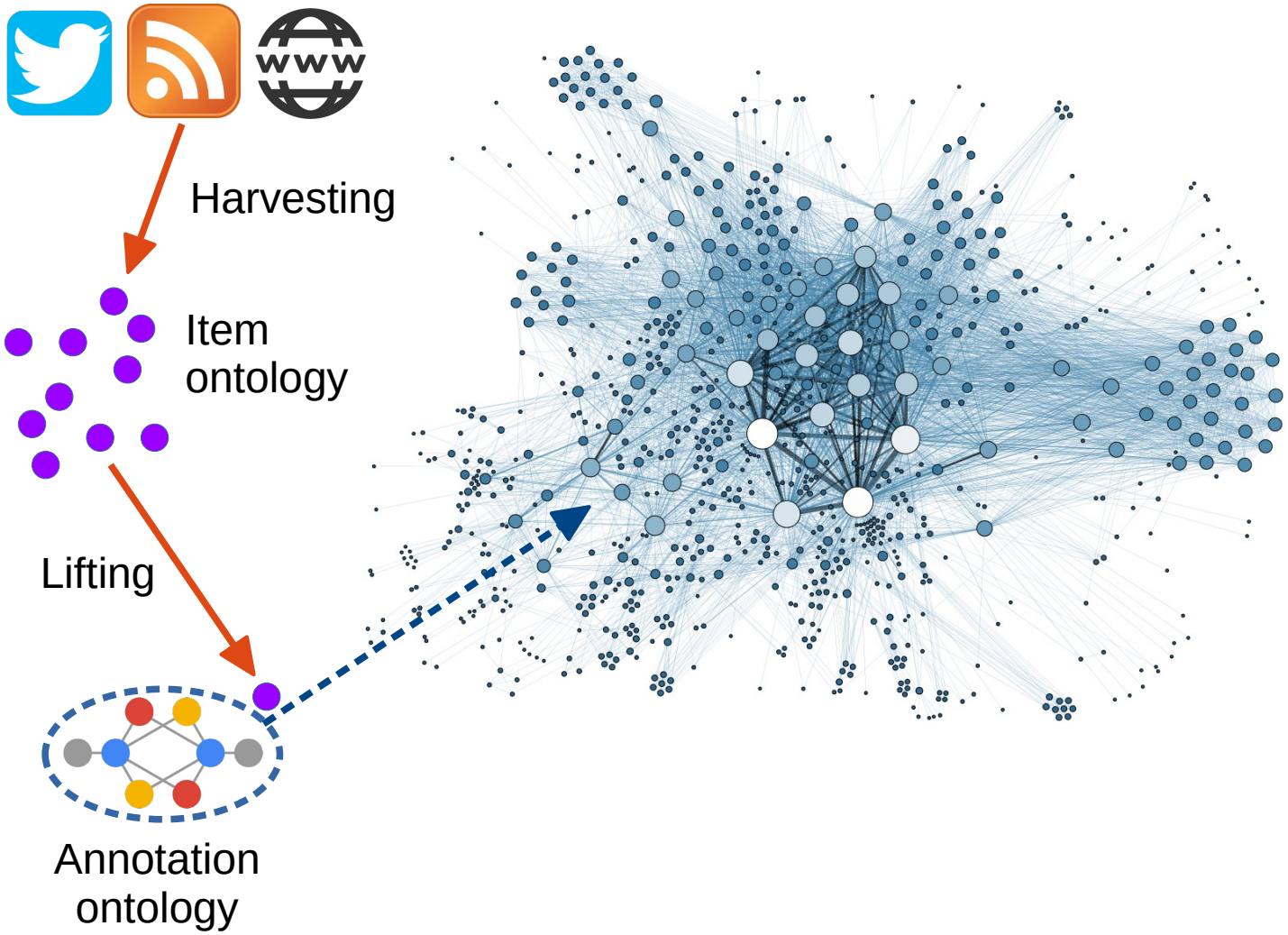

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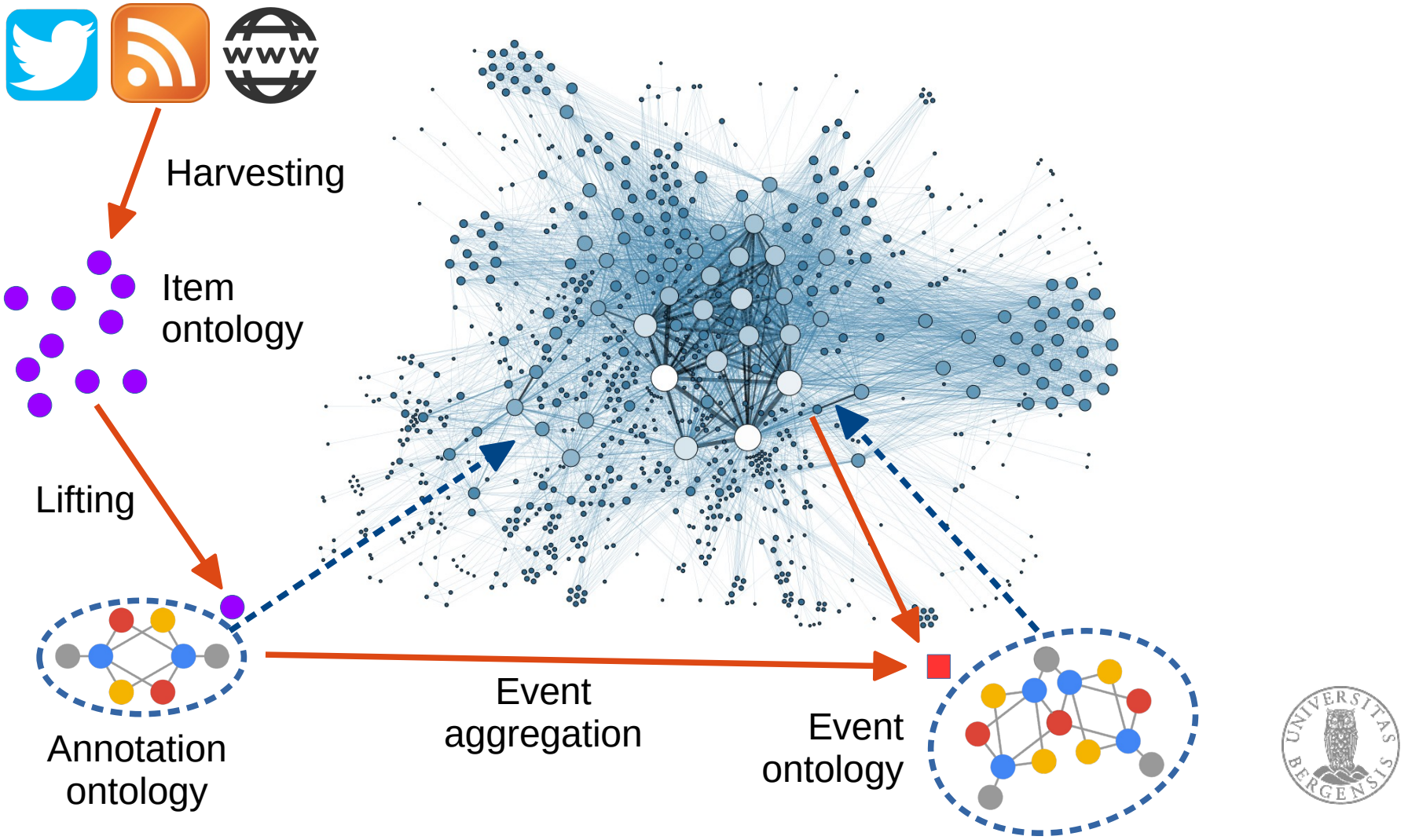
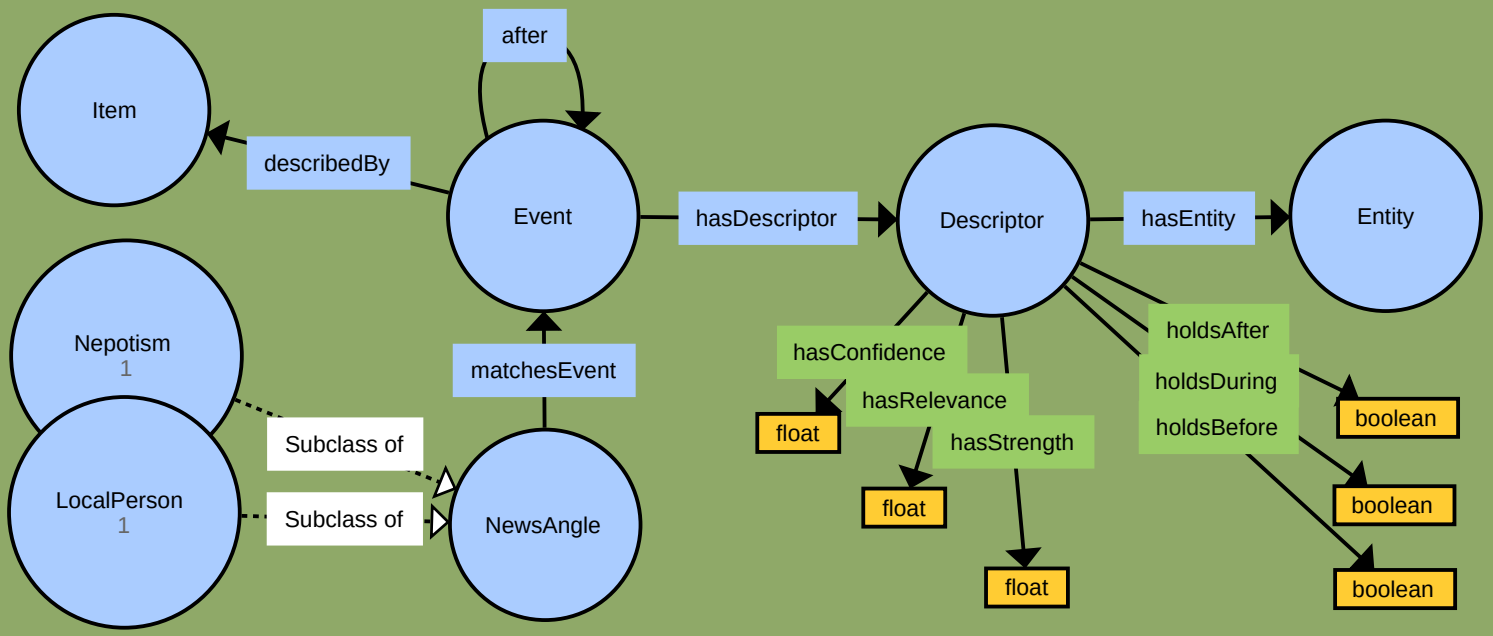
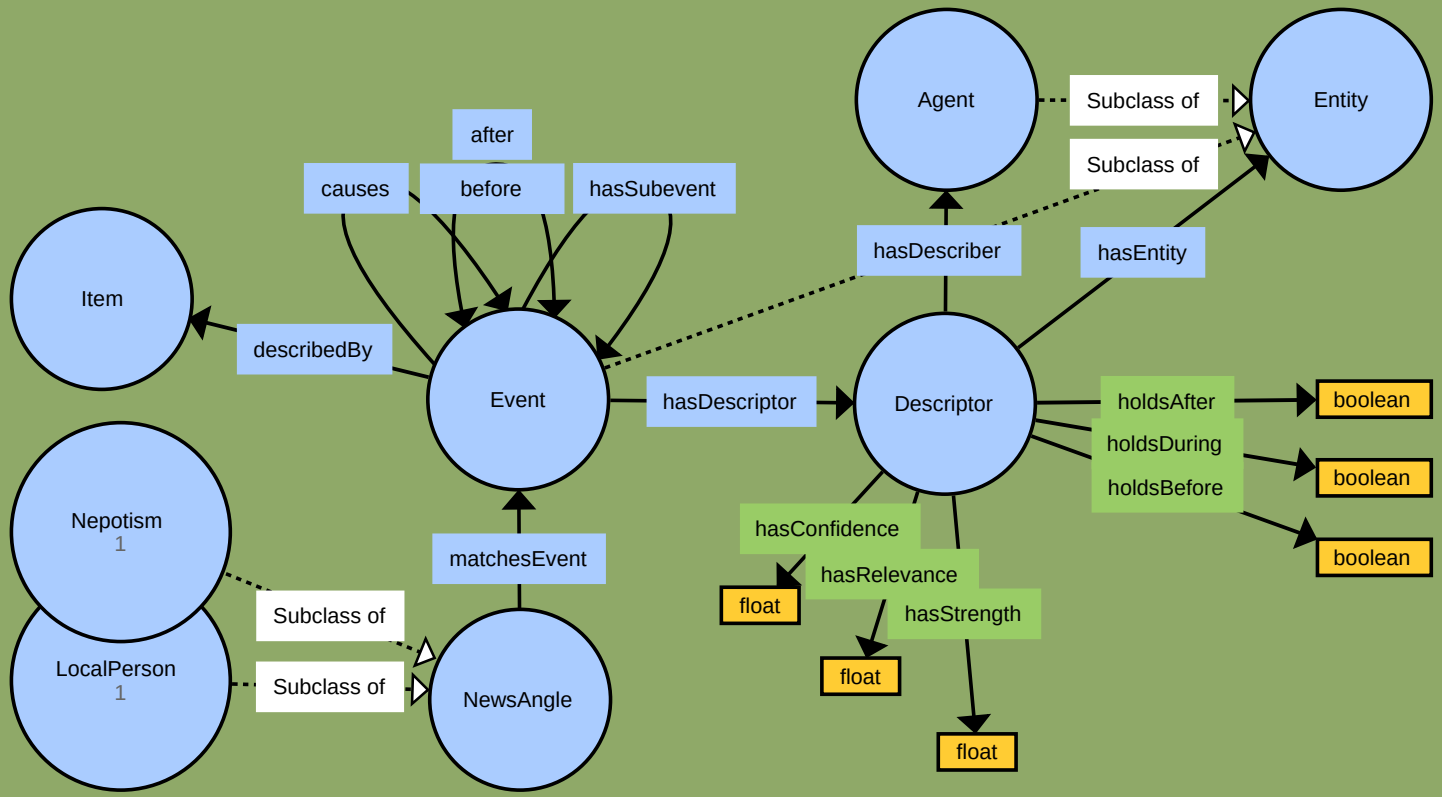


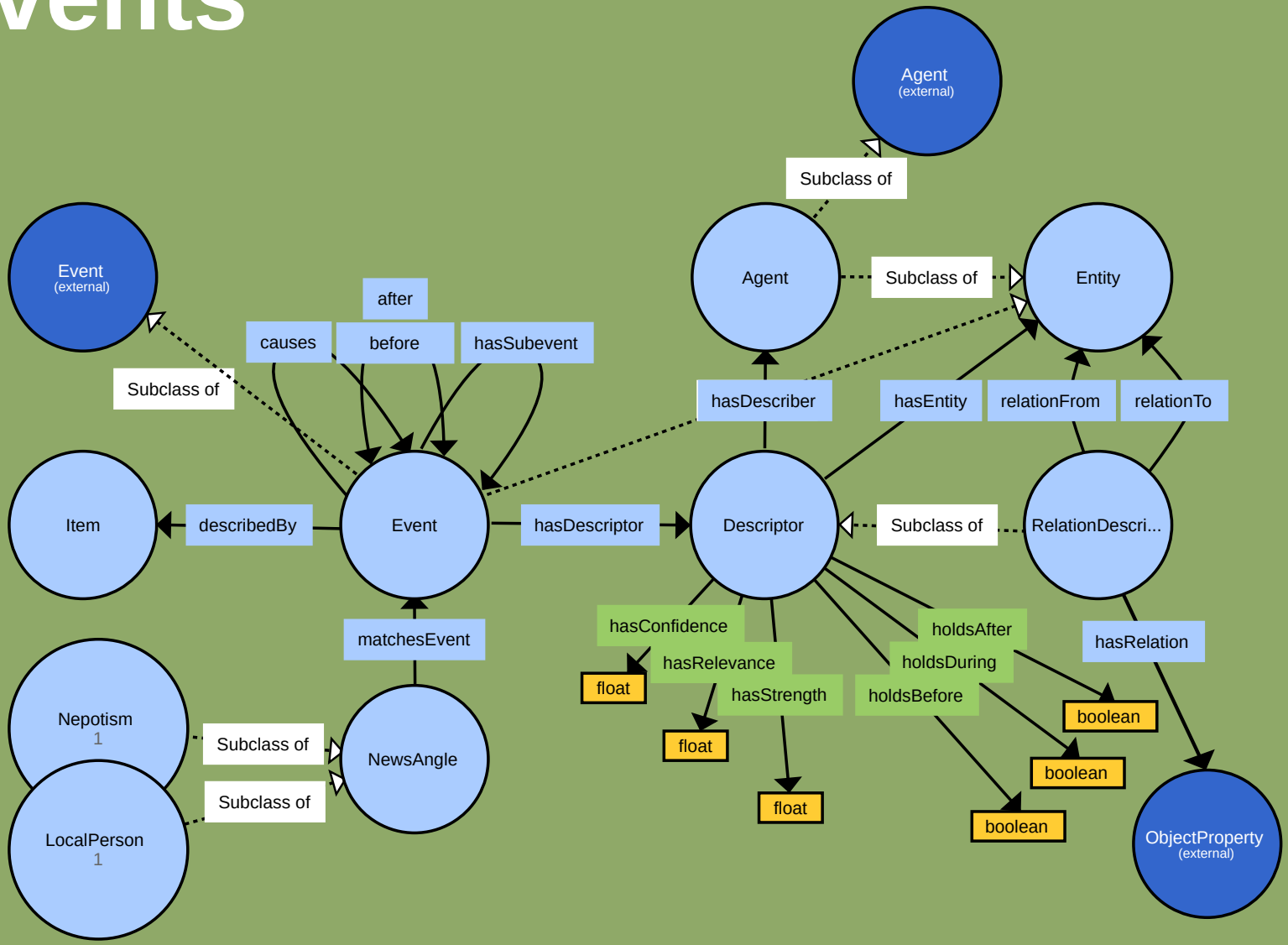
Events


Item
after
describedBy
Event
hasDescriptor
Descriptor
hasEntity
Entity
Nepotism
1
matchesEvent
hasConfidence
holdsAfter
holdsDuring
holdsBefore
hasRelevance
hasStrength
float
float
float
boolean
boolean
boolean
Subclass of
Subclass of
LocalPerson
1
NewsAngle

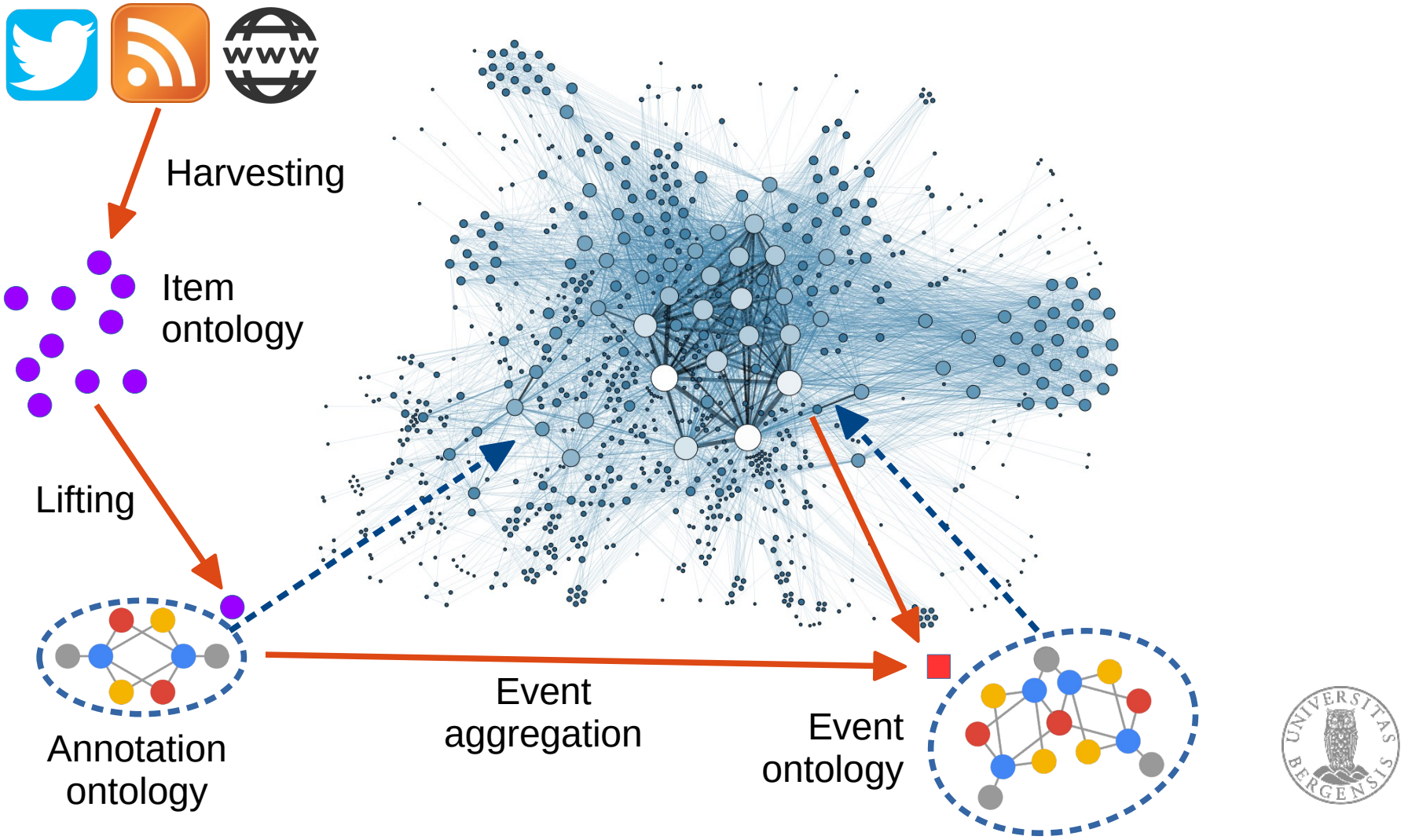
Events


Agent
Subclass of
Entity
Subclass of
after
causes
before
hasSubevent
hasDescriber
hasEntity
Item
describedBy
Event
hasDescriptor
Descriptor
holdsAfter
boolean
holdsDuring
boolean
holdsBefore
boolean
Nepotism
1
matchesEvent
hasConfidence
hasRelevance
float
hasStrength
float
float
Subclass of
LocalPerson
1
Subclass of
NewsAngle

Events


Agent
(external)
Subclass of
Event
(external)
Agent
Subclass of
Entity
after
causes
before
hasSubevent
Subclass of
hasDescriber
hasEntity
relationFrom
relationTo
Item
describedBy
Event
hasDescriptor
Descriptor
Subclass of
RelationDescri...
matchesEvent
hasConfidence
holdsAfter
hasRelation
hasRelevance
holdsDuring
float
hasStrength
holdsBefore
boolean
Nepotism
1
Subclass of
NewsAngle
float
boolean
Subclass of
float
boolean
LocalPerson
1
ObjectProperty
(external)

A single central news graph



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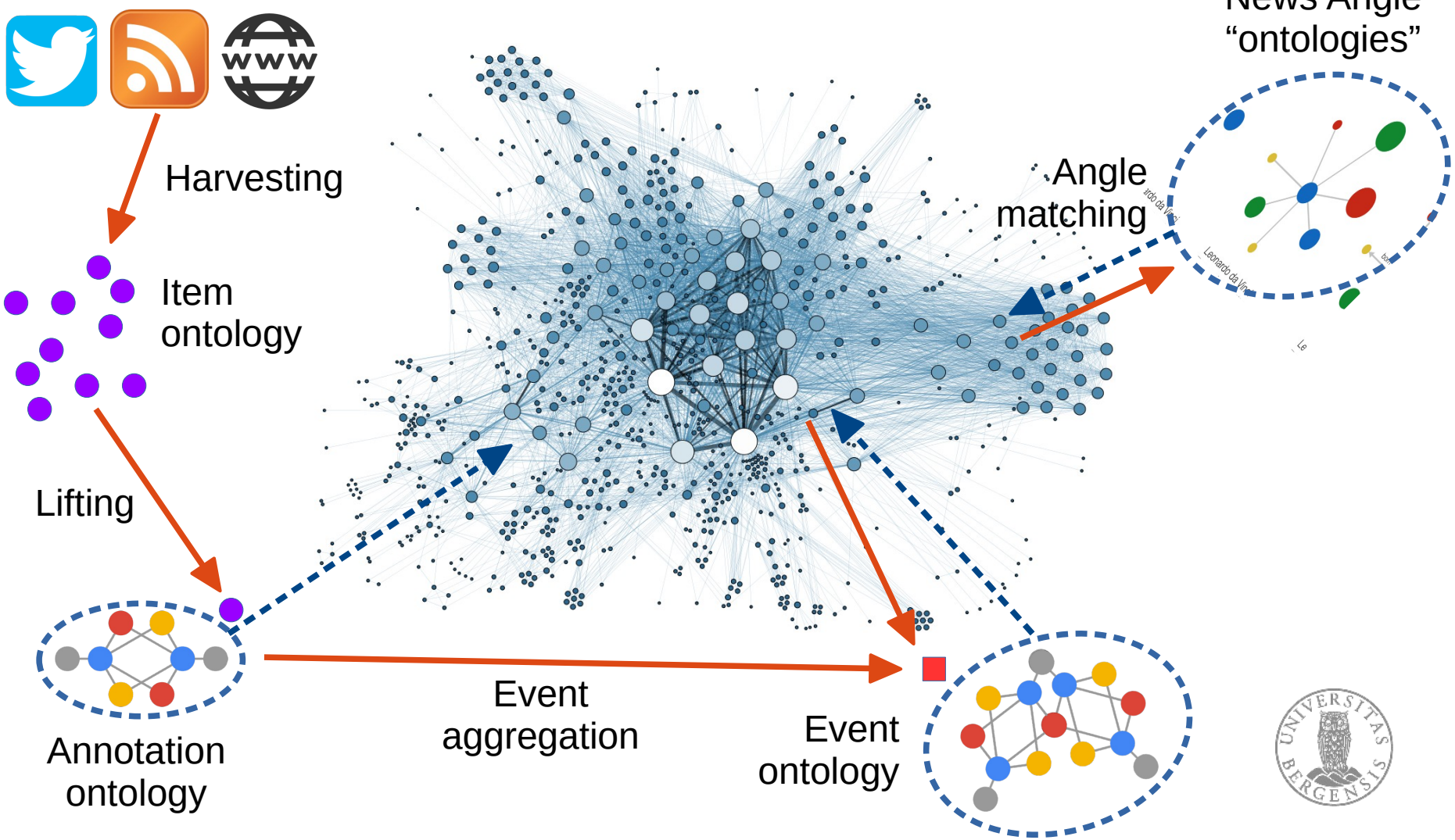
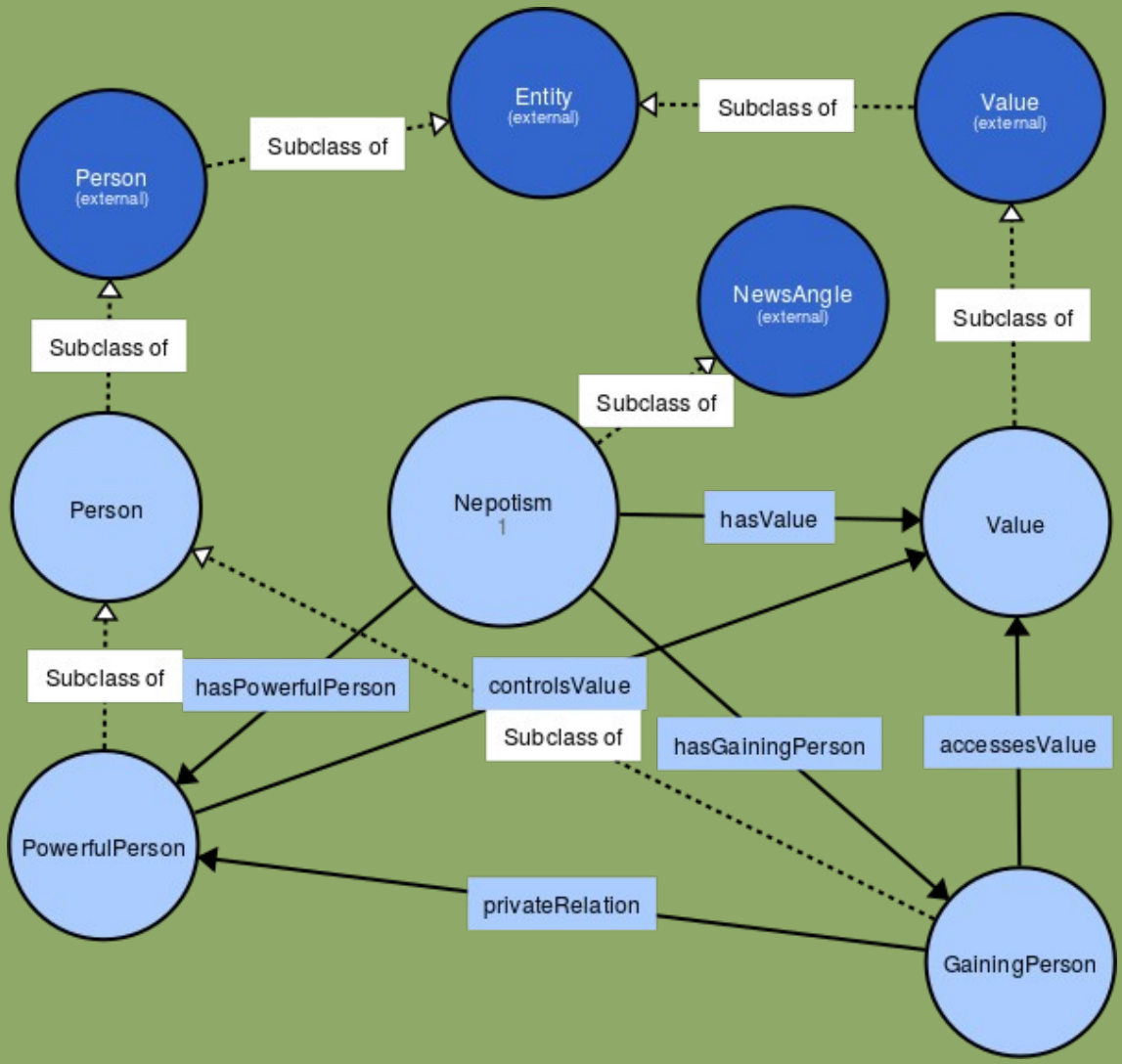
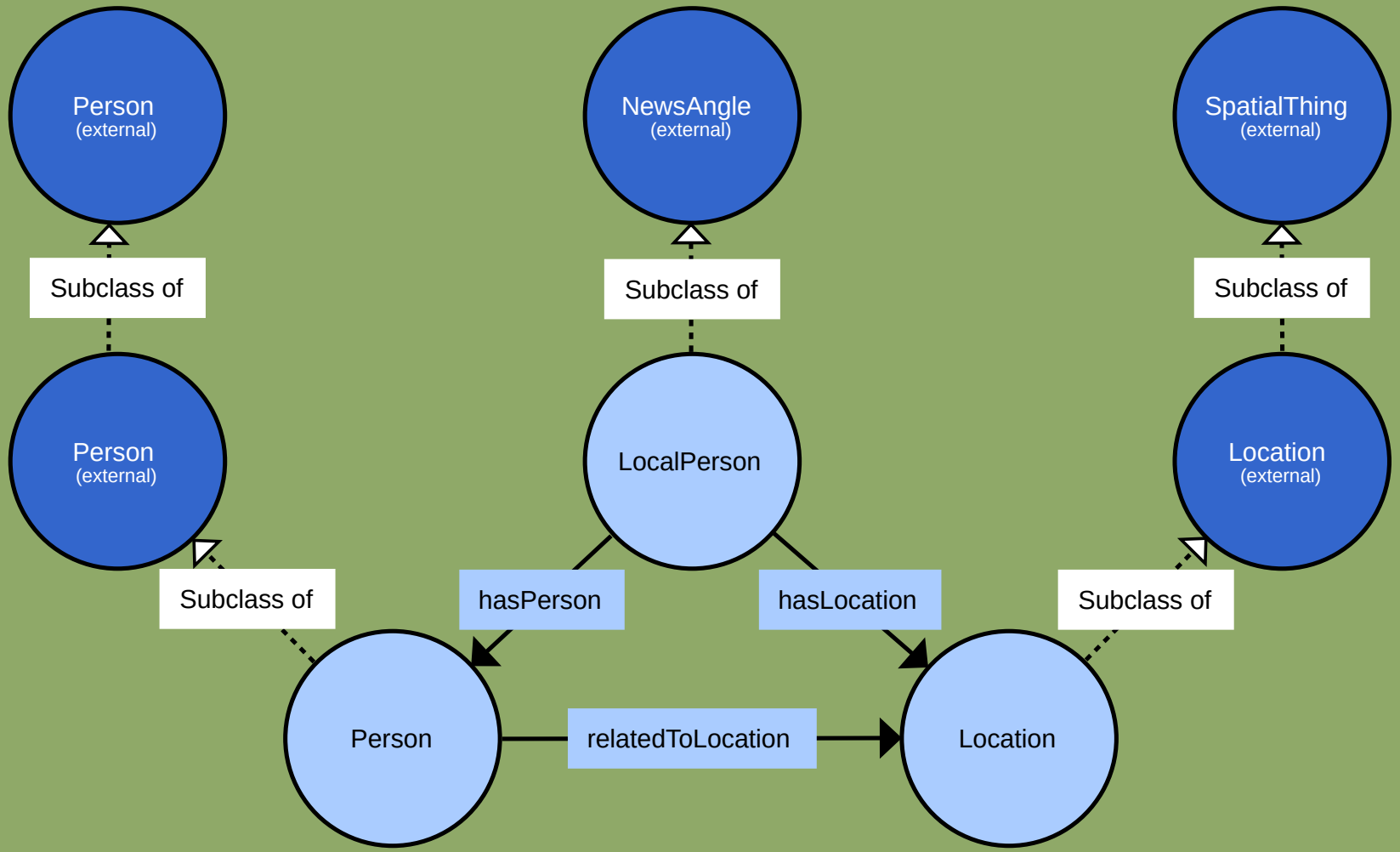


News Angle: Neoptism



News Angle: Local Person



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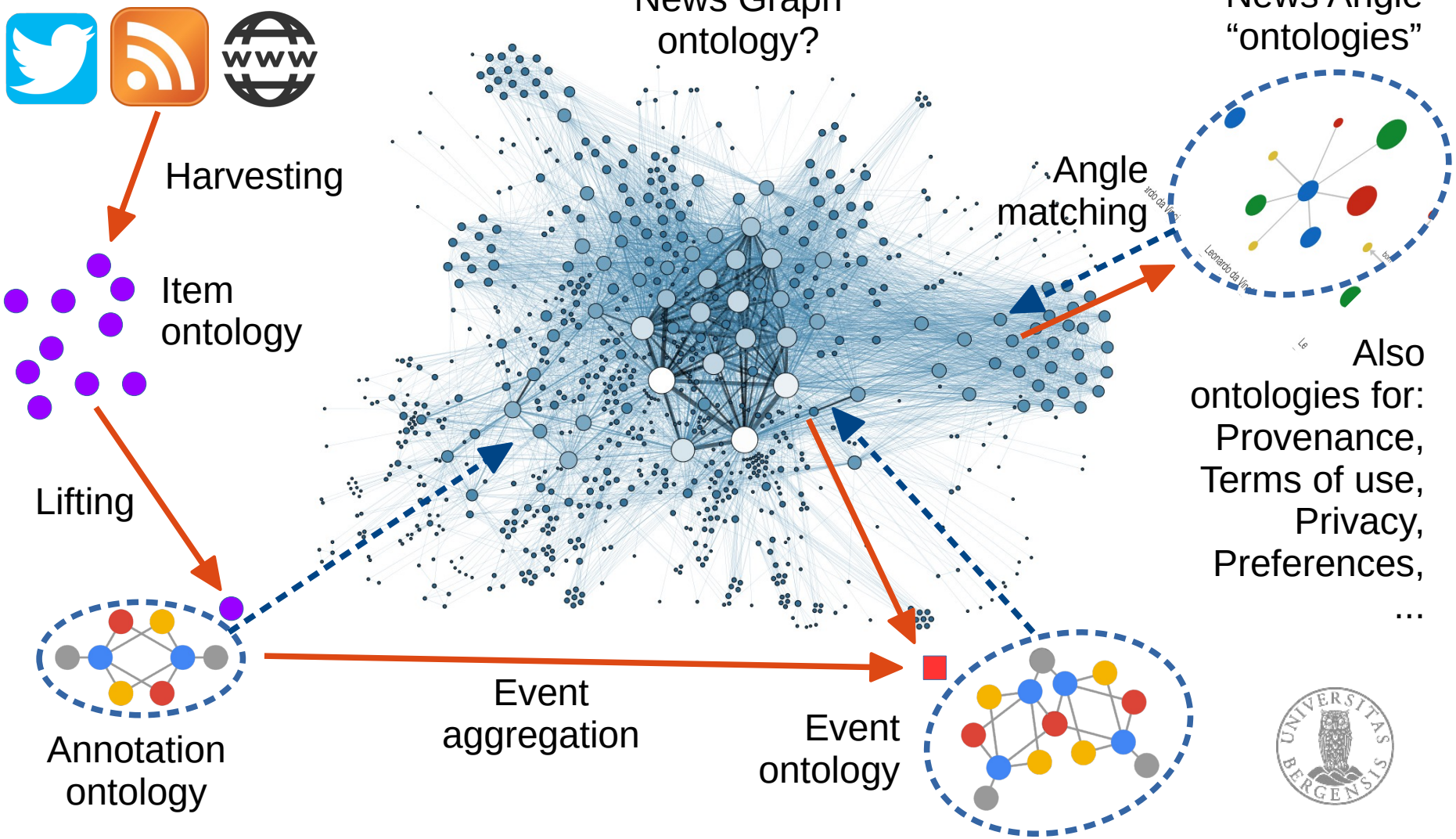

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