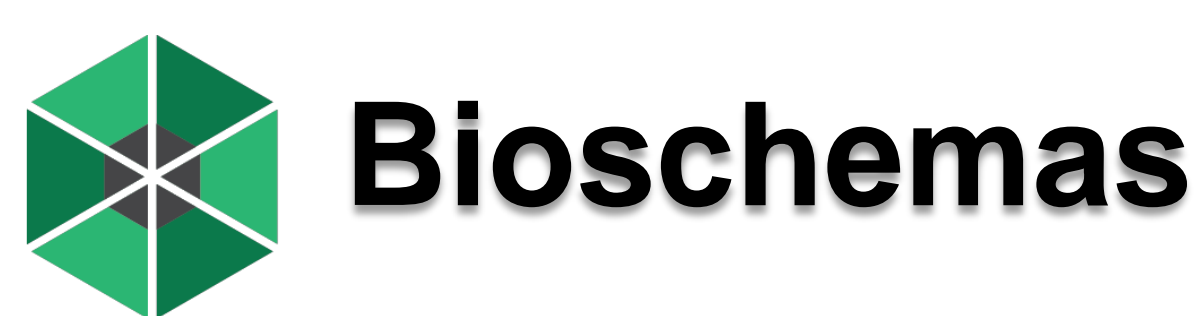


Biological Entity, a Bioschemas specification for Life Sciences



Leyla Garcia¹, Bioschemas community

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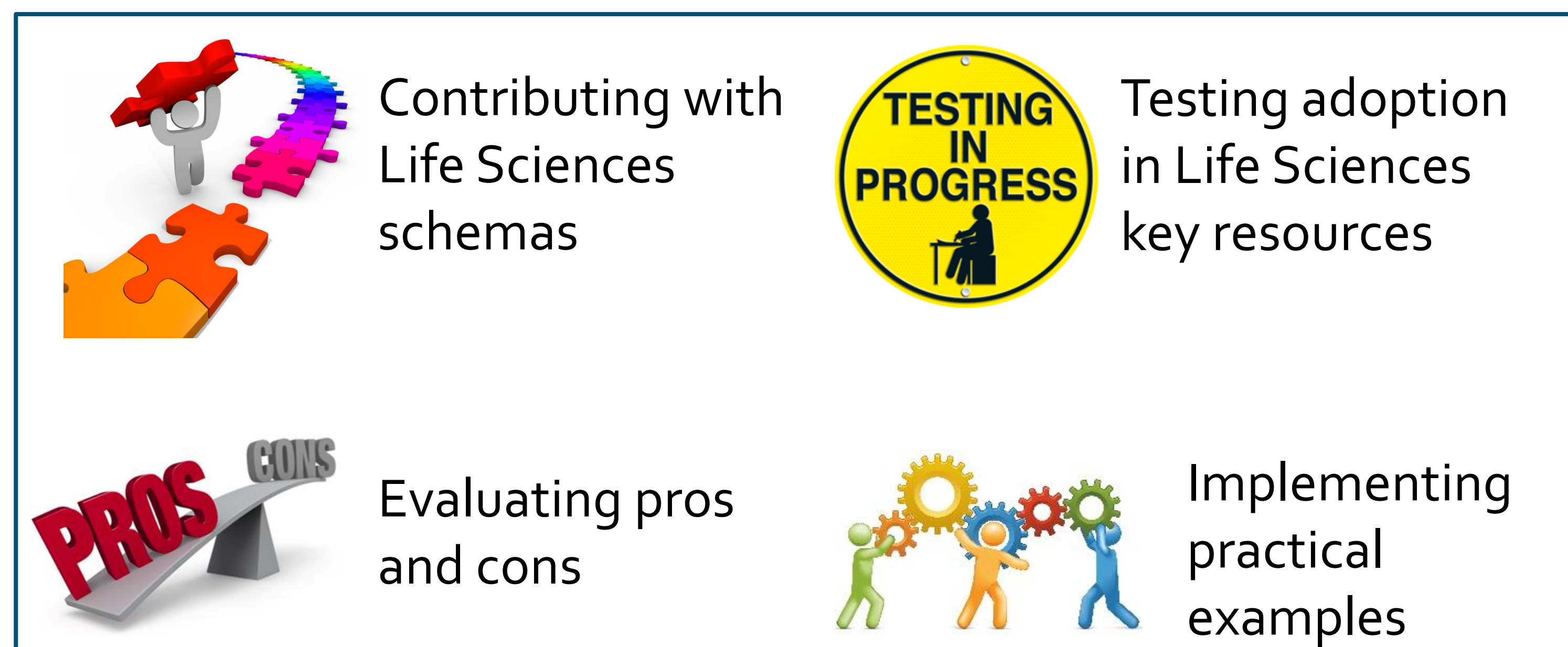


schema.org

Bioschemas is a community initiative built on top of schema.org, aiming to improve data discoverability and interoperability in Life Sciences. In order to do so, Bioschemas provides specifications targeting biological data repositories and datasets, beacons, samples, laboratory protocols, phenotypes and proteins, among others. Bioschemas is still in an early stage so it is not yet officially included in schema.org; its inclusion is expected for early 2018.

Availability: <http://bioschemas.org/>

Our approach



Findability
Easily finding proteins, samples, phenotypes and so on resources on the web



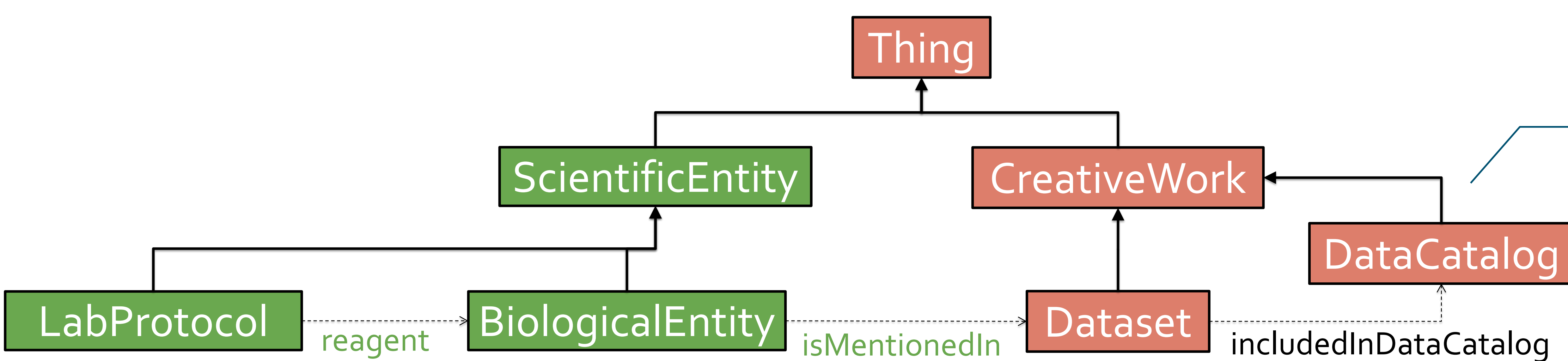
Accessibility

Gathering structured information from different life sciences resources without dealing with multiple formats



Summarization

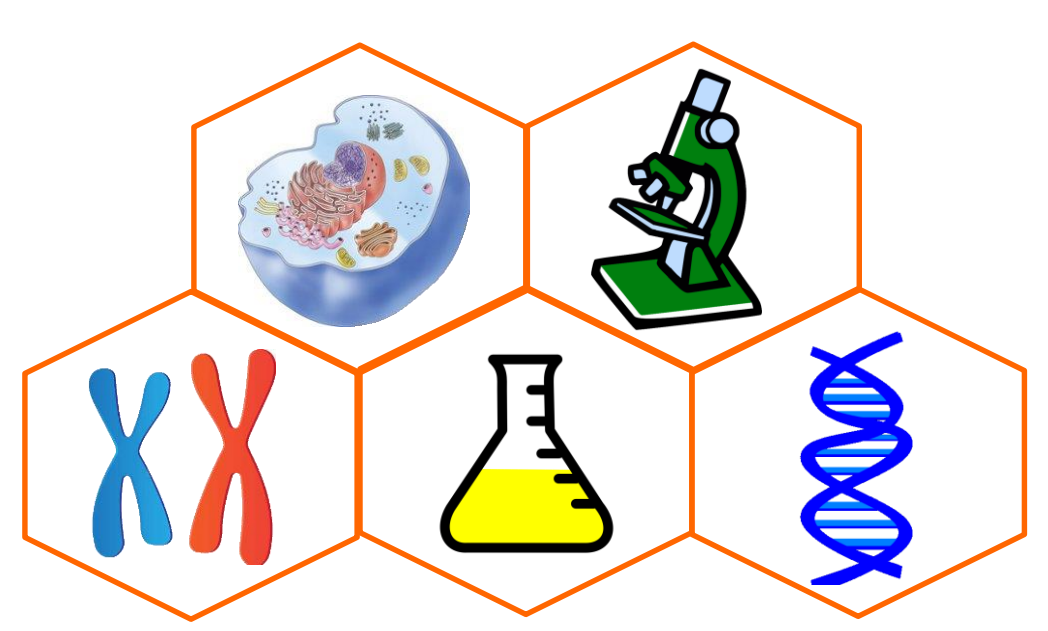
Getting a quick summary with information from different resources as well as links to them



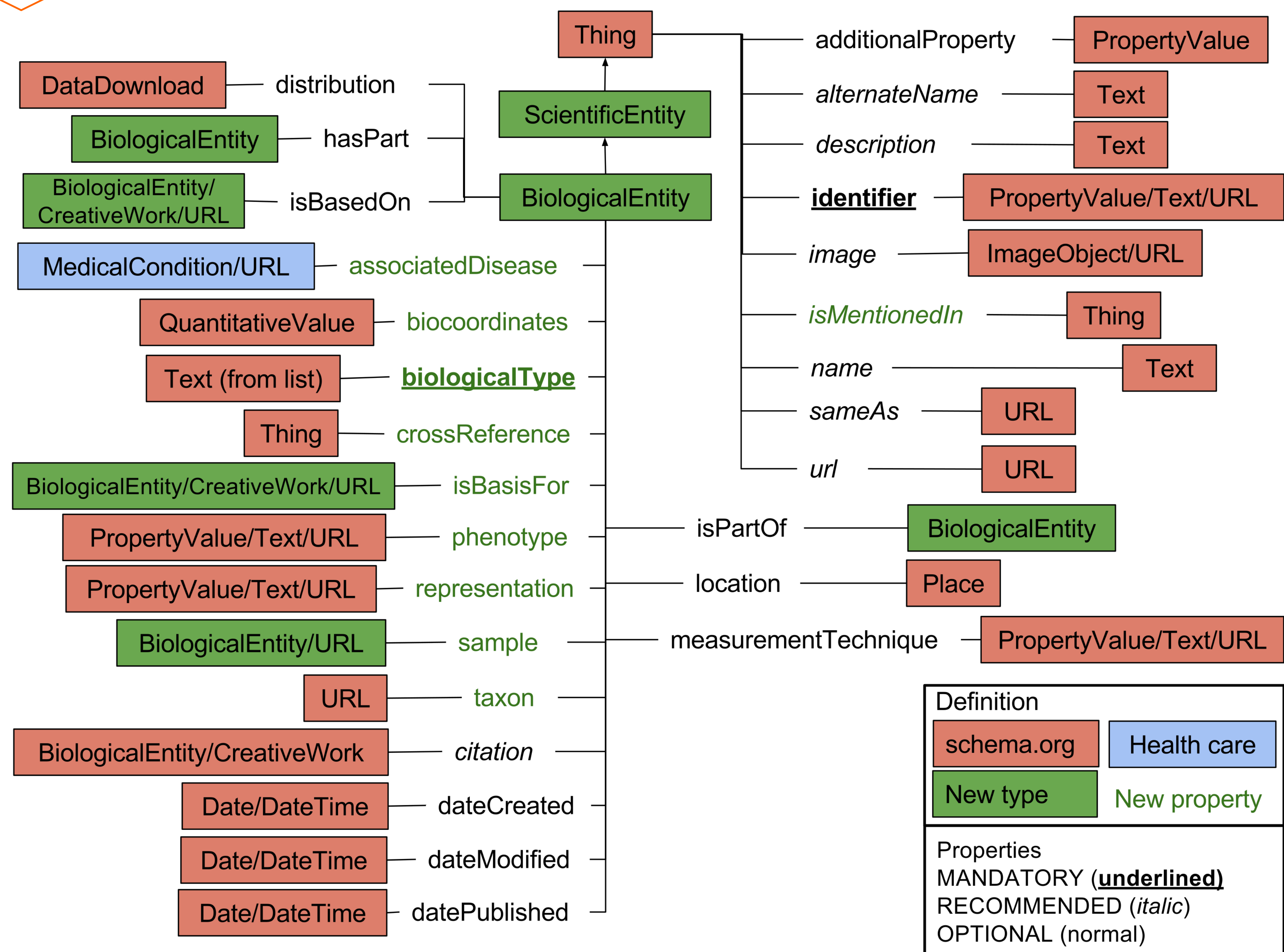
Data providers, e.g.,

Data releases, e.g.,

- UniProtKB 2017_07
- InterPro 64.0
- WTCCC1 project Hypertension (HT) samples



BiologicalEntity, a generic and adaptable wrapper for Life Sciences data



Definition

schema.org Health care

New type New property

Properties

MANDATORY (underlined)

RECOMMENDED (*italic*)

OPTIONAL (normal)



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EMBL-EBI
EBI is an outstation of the European Molecular Biology Laboratory