

ScienceSoft Data Model

Draft 1

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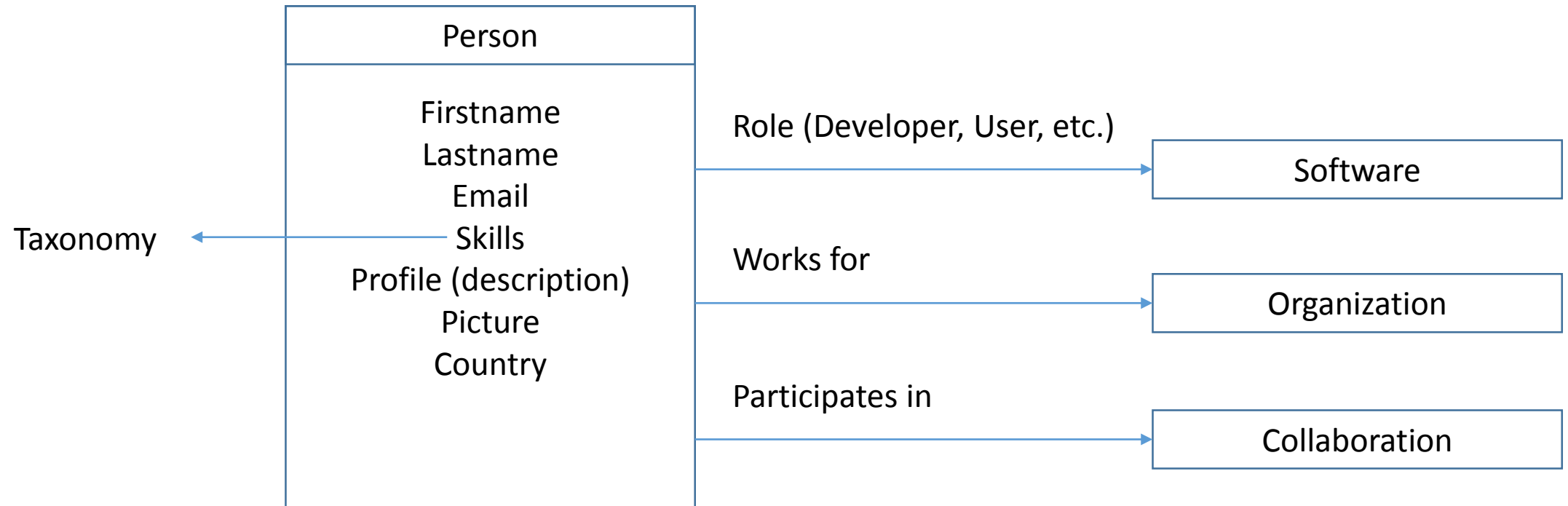
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Entities

- **Classes:** the different classes needed to describe the objects registered in the ScienceSoft database, like software, persons, institutes, companies, projects, collaborations, etc.
- **Taxonomies:** fixed or dynamic lists of terms, which can contain either names from the registered objects (like the list of organizations, the list of software products, etc.) or lists of values for the object properties (the software licences, the organization types, the scientific domains, etc.)
- This model is mainly driven by the current Drupal-based prototype implementation

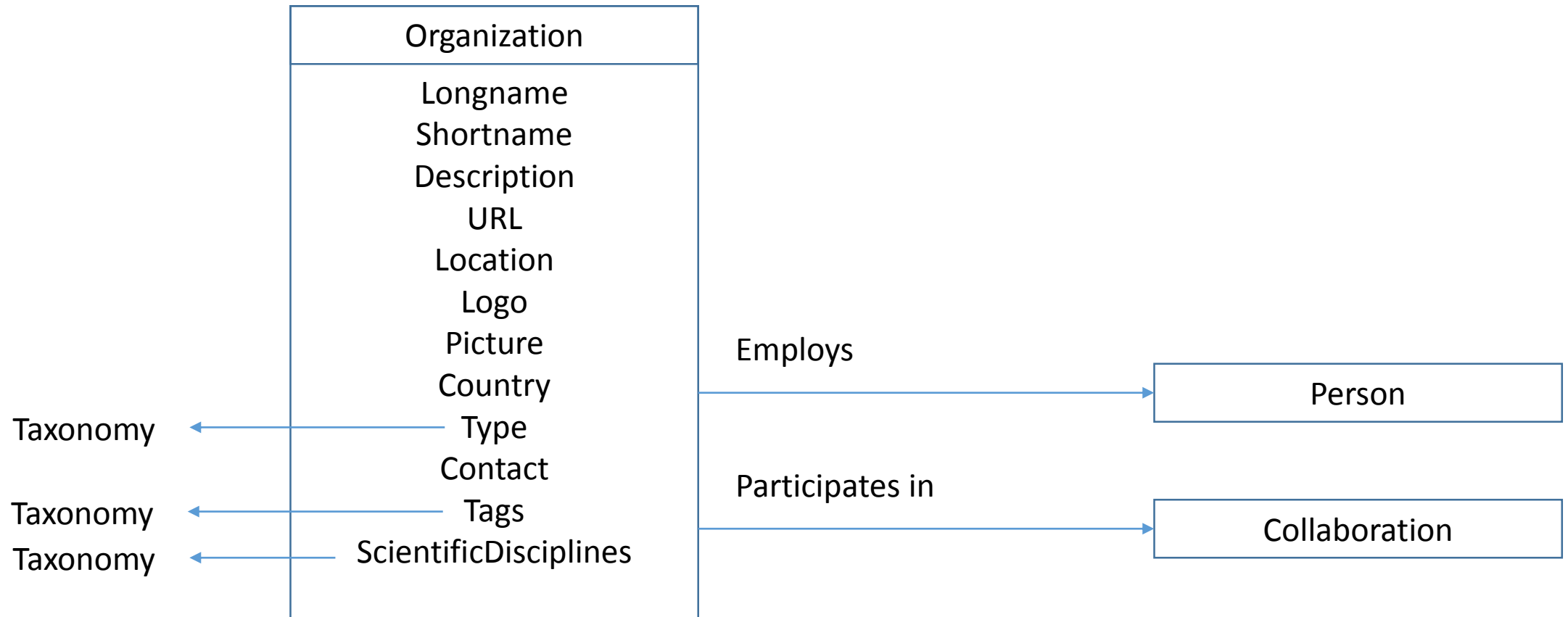
Person

- The Person class represents a physical or a virtual user (for example it could be a user support mail address). It is an extension of the User class in Drupal



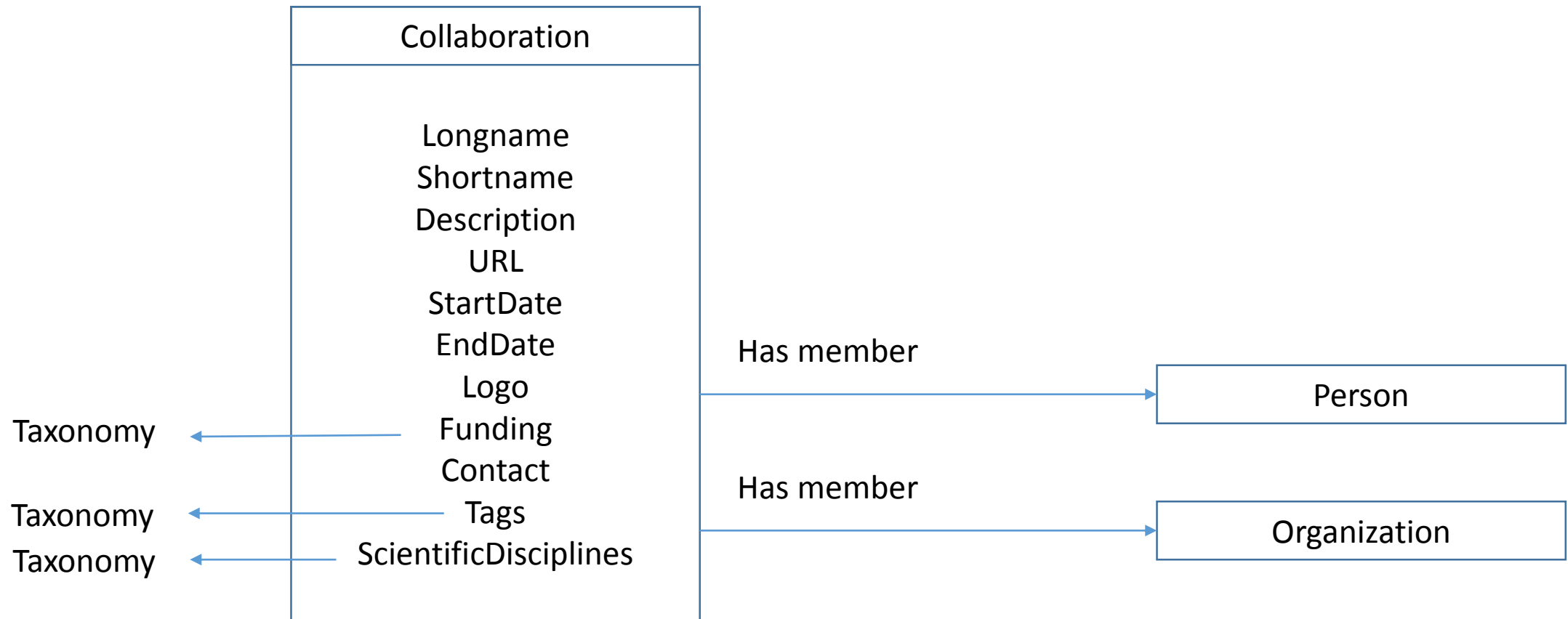
Organization

- The Organization class represents a legal entity. Examples of legal entities are “Education establishment”, “International Organization”, “SME”, etc.



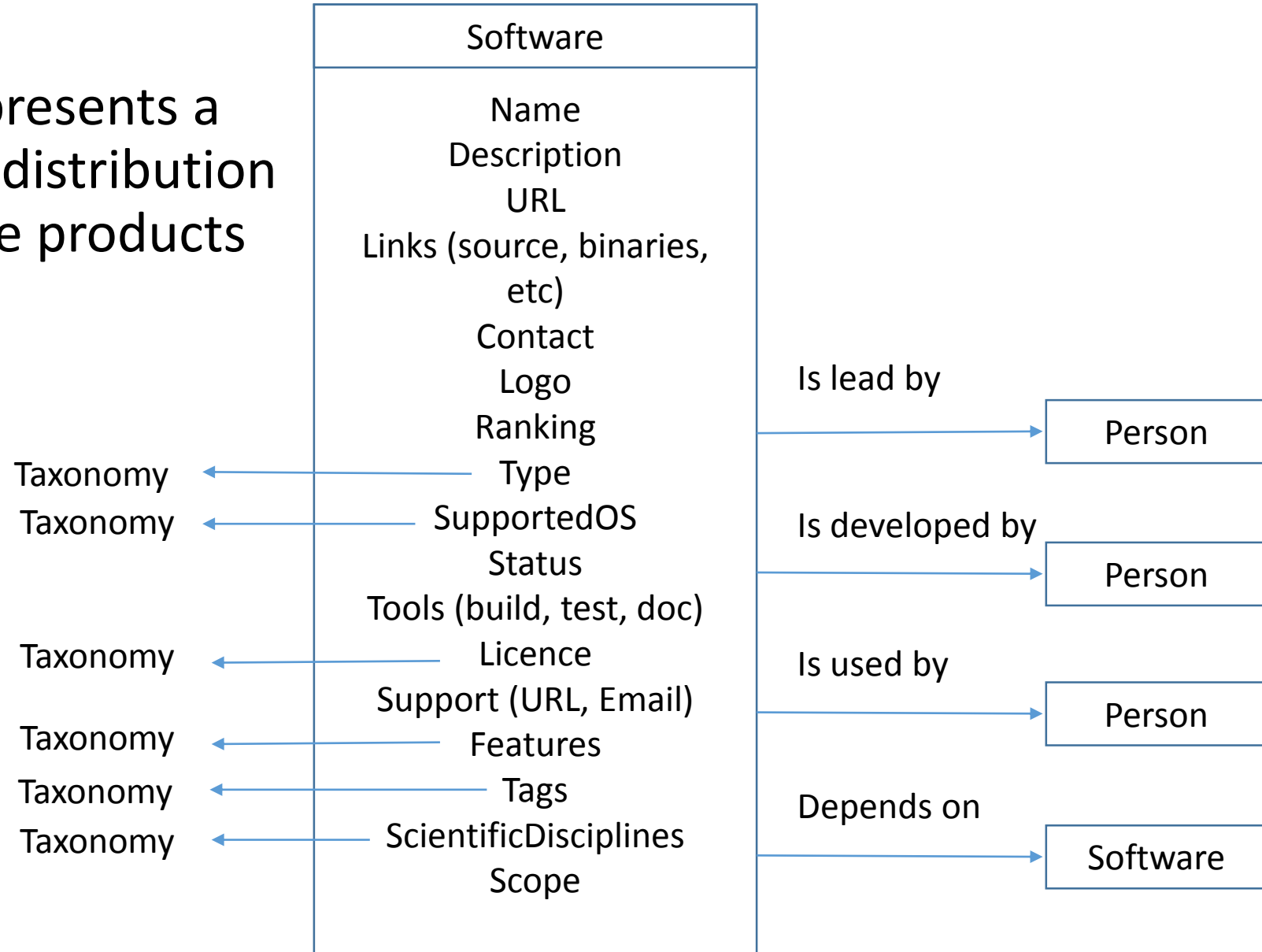
Collaboration

- The Collaboration class represents a group of Persons and/or Organizations, it can have the form of a project, a virtual organization, an initiative, etc.



Software

- The Software class represents a software product or a distribution (collection) of software products



Open questions

- What about services? Do we need a new class? Can the software class be simply used for both software products and software services?
 - There could be a Type attribute to be set to Product, Service, Distribution, etc.
- What standard schemas exist that already represent these classes? CIM? Can we use any of them or a subset?