Ontosoft – Ontology

Why was it developed?

* There was lack of adequate description for software, so it is developed to provide a description for software.
* It was developed to improve reproducibility in biomedical investigations. To answer questions like:
  + How the data came ? ( source of data )
  + How the data was analyzed ? ( the procedure or workflow or pipeline)
  + With what tool ? ( the software )

What is SWO ?

* Is a description of software used to store, manage and analyze data.

What are the inputs to SWO?

* Inputs beyond life science ( but main focus is life science)
* Also incorporated EDAM ( a vocab for describing data and related concepts in bioinformatics)

What is SWO’s currently used for ?

* to describe software used in multiple biomedical applications.

What is the Scope of SWO ?

* beyond bioinformatics , describes any tool used in management, analysis and presentation of biological data.
* SWO needs to cover, but not limited to:
  + Range of software
  + Descriptions of its objectives ( for what purpose it is used for )
  + The data it consumes and produces
  + The algorithms it implements to achieve these objectives
  + Its versions and some aspects of its project details.