SuMSO Imports

Table 1 provides a list of the ontologies from which the SuMSO ontological module reuses or adapts classes and object properties (2024-12-05). Table 2 provides a list of additional ontologies judged useful for implementing the SuMSO ontological module.

Table 1. The ontologies reused to construct the SuMSO ontological module.

Ontology	Ontology Acronym	Repository/Homepage	BFO Compliance
Agronomy Ontology	AgrO	https://bigdata.cgiar.org/resources/agronomy-ontology/	Yes
Common Core Ontologies	CCO	https://www.ontologyrepository.com/	Yes
Addiction Ontology	ADDICTO	https://addictovocab.org/	Yes
An ontology of core ecological entities	ECOCORE	https://github.com/EcologicalSemantics/ecocore	Yes
BioAssay Ontology	BAO	http://bioassayontology.org/	Yes
Environmental Ontology	EnvO	https://sites.google.com/site/environmentontology/	Yes
Experimental Factor Ontology	EFO	https://www.ebi.ac.uk/efo/	Yes
Food Ontology	FoodOn	https://foodon.org/	Yes
Gender, Sex, and Sexual Orientation ontology	GSSO	https://gsso.research.cchmc.org/#!/#%2Fhome	Yes
Industry Foundry Ontology	IOF	https://ontocommons.eu/initiatives/industry-ontology-foundry	Yes
Information Artifact Ontology	IAO	https://github.com/information-artifact-ontology/IAO/	Yes
NCBITaxon Ontology	NCBI taxon	https://github.com/obophenotype/ncbitaxon	Yes
NCI Thesaurus OBO Edition	NCIT	https://github.com/NCI-Thesaurus/thesaurus-obo-edition	No
OBO Relation Ontology	RO	https://oborel.github.io/	Yes
Occupational Ontology	OccO	https://github.com/Occupation-Ontology	Yes
Ontology for Biomedical Investigations	OBI	https://obi-ontology.org/	Yes
Ontology for Modeling and Representation of Social Entities	OMSE	https://github.com/mcwdsi/OMRSE	Yes
Phenotype And Trait Ontology	PATO	https://github.com/pato-ontology/pato/	Yes

Ontology	Ontology Acronym	Repository/Homepage	BFO Compliance
PO2/Transform ON	PO2/Transform ON	https://agroportal.lirmm.fr/ontologies/TRANSFORMON?p=summary	Yes
Sustainable Development Goal Interface Ontology	SDGIO	https://github.com/SDG-InterfaceOntology	Yes
Uber-anatomy ontology	UBERON	https://obophenotype.github.io/uberon/	Yes
Vaccine Ontology	VO	https://violinet.org/vaccineontology/	Yes

Table 2. A list of additional ontologies judged useful to implement SuMSO.

Ontology	Ontology Acronym	Repository/Homepage	BFO Compliance
AGROVOC Multilingual Thesaurus	AGROVOC	https://www.fao.org/agrovoc/	No
Animal Health Surveillance Ontology Health Surveillance Ontology and Animal Health Ontology	AHSO HSO AHO	http://datadrivensurveillance.org/ahso/ http://datadrivensurveillance.org/ontology/	No yes
Ecosystem ontology	ECSO	https://ec.europa.eu/esco/lod/static/model.html	No
Environment Exposure Ontology	ECTO	https://github.com/EnvironmentOntology/environmental-exposure-ontology	Yes
Exposure Ontology	ExO	https://github.com/CTDbase/exposure-ontology	Yes
GEneral Multilingual Environmental Thesaurus	GEMET	https://www.eionet.europa.eu/gemet/en/about/	No
Livestock Ontologies	ATOL-AHOL-EOL	https://www.atol-ontology.com/en/erter-2/	No
Livestock Product Trail (LPT) Ontology	LPT	https://www.animalgenome.org/bioinfo/projects/lpt/	No
Ontologies from the Behavioural and Social Sciences Ontology (BSSO) Foundry	BSSO	https://www.bssofoundry.org/	Yes
Pesticide Ontology	PestOn	https://github.com/marco-medici/peston.git	Yes
Plant Ontology	PO	https://browser.planteome.org/amigo	Yes
POLARISC Ontologies	POLARISCO	https://github.com/LindaElmhadhbi/POLARISCO	Yes

Population and Community Ontology	PCO	PopulationAndCommunityOntology · GitHub	Yes
Semantic Web for Earth and Environment Technology Ontology	SWEET	https://github.com/ESIPFed/sweet	No
Socio-economic Ontology	SEOnt	https://github.com/AgriculturalSemantics/SEOnt.git	Yes
Soil Food Web Ontology	SFWO	https://agroportal.lirmm.fr/ontologies/SFWO	Yes
Soil organic carbon storage and agricultural practices modeling	CSOPRA	https://agroportal.lirmm.fr/ontologies/CSOPRA	yes
Sustainable Development and Climate Ontology	SDC Ontology	https://github.com/hbabaie1/Sustainable-Development-and-Climate-SDC-ontology	Yes
Thesaurus for Animal Physiology and Livestock Systems	TRIPHASE	https://agroportal.lirmm.fr/ontologies/TRIPHASE	No
Thesaurus to define land management practices in agriculture and forestry for soil carbon storage	DATA4C+	http://data4c-plus.net/admin/thesaurus/index	No
Toronto Ontologies	TOVE	https://eil.mie.utoronto.ca/theory/enterprise-modelling/tove/	No