

AEON Enhancements - entities

Type of action	Entity Type	IRI prefix: AEON: http://purl.obolibrary.org/obo/	In AEON	In the Enhanced AEON
Label change	Class	AEON: AEON_0000027	academic field descriptor	event field descriptor
Definition change	Class	AEON: AEON_0000027	A data item that contextualizes a obi:'planned process' or an iao:'information content entity' by providing a reference to a controlled vocabulary that codifies the subdivisions of knowledge taught and researched at the college or university level.	A data item that contextualizes an obi:'planned process' or an iao:'information content entity' by providing a reference to a controlled vocabulary that codifies the subdivisions of knowledge taught and researched at the college or university level.
Label change	Class	AEON: AEON_0000224	academic event description	sociocultural event description
Definition change	Class	AEON: AEON_0000224	A publication that is an aggregation of information content entities that are about an academic event, such as its sociocultural event format, its call for contributions, its location, its topics and associated academic field.	A publication that is an aggregation of information content entities that are about a sociocultural event, such as its sociocultural event format, its call for contributions, its location, its topics, and associated event field.
Label change	Object property	AEON: AEON_0000040	has academic field descriptor	has event field descriptor
Definition change	Object property	AEON: AEON_0000040	A relation obtaining between an 'academic event' and an academic field descriptor that is used to describe the scientific subject of the planned process according to some controlled vocabulary or thesaurus.	A relation obtained between a 'sociocultural event' and an 'event field descriptor' that is used to describe the scientific subject of the planned process according to some controlled vocabulary or thesaurus.
Label change	Object property	AEON: AEON_0000175	describes academic field of	describes event field of
Definition change	Object property	AEON: AEON_0000175	see also inverse property: A relation obtaining between an 'academic field descriptor' and a obi:'planned process', in which the former is used to describe the scientific subject of the latter according to some controlled vocabulary or thesaurus.	see also inverse property: A relation obtained between an 'event field descriptor' and an obi:'planned process', in which the former is used to describe the scientific subject of the latter according to some controlled vocabulary or thesaurus.
new	Class	AEON: AEON_0000801	-	Label: Event audience

				Definition: An objective specification that describes the target groups of people for which the event is designed.
new	Class	AEON: AEON_0000802	-	Label: Professional event Definition: An organized sociocultural event refers to gathering professionals in a given field (not necessarily academics). In education, this refers to teachers, parents, pupils, and students having the chance to present and discuss their work and learn and exchange experience according to a specific sociocultural format specified more or less explicitly in the announcement of the professional event.
new	Class	AEON: AEON_0000803	-	Label: Professional event format Definition: A sociocultural event format states that an organized sociocultural event's primary purpose (objective) is facilitating knowledge exchange between participants within a professional format.
new	Class	AEON: AEON_0000804	-	Label: Professional event series Definition: A professional event that is the ordered set of all recurring practical events of a distinct identity. This distinct identity is usually demarked by a shared name that only differs about some ordinal symbol, such as 1st or the year of the professional event.
new	Datatype property	AEON: AEON_0000952	-	Label: event keywords Description: Describes the event using keywords.
new	Datatype property	AEON: AEON_0000953	-	Label: event relevance

				Description: Describes the event's relevance by geographical coverage.
new	Datatype property	AEON: AEON_0000954	-	Label: event group of interest Description: Describes groups of people, each belonging to a specific organization and having a particular interest in the event.

METRICS		
	AEON axioms	AEON enhanced axioms
Axiom	3.727	4.318
Logical axiom count	754	1.054
Declaration axioms count	434	518
Class count	213	217
Object property count	71	71
Data property count	36	39
Individual count	56	133
Annotation Property count	63	63

Class axioms

SubClassOf	316	326
EquivalentClasses	50	52
DisjointClasses	27	27
GCI count	0	0
Hidden GCI Count	50	52

Object property axioms

SubObjectPropertyOf	55	55
EquivalentObjectProperties	2	1
InverseObjectProperties	23	23
DisjointObjectProperties	0	0
FunctionalObjectProperty	1	1
InverseFunctionalObjectProperty	1	1
TransitiveObjectProperty	4	4
SymmetricObjectProperty	0	0
AsymmetricObjectProperty	0	0
ReflexiveObjectProperty	0	0
IrreflexiveObjectProperty	1	1
ObjectPropertyDomain	48	48
ObjectPropertyRange	48	48
SubPropertyChainOf	6	6

Data property axioms

SubDataPropertyOf	22	23
EquivalentDataProperties	0	0
DisjointDataProperties	0	0
FunctionalDataProperty	0	0
DataPropertyDomain	24	28
DataPropertyRange	17	20

- **DL Expressivity:** SROIQ(D) and OWL 2.0
- **DL expressivity** was obtained by [Pellet reasoner](#).