

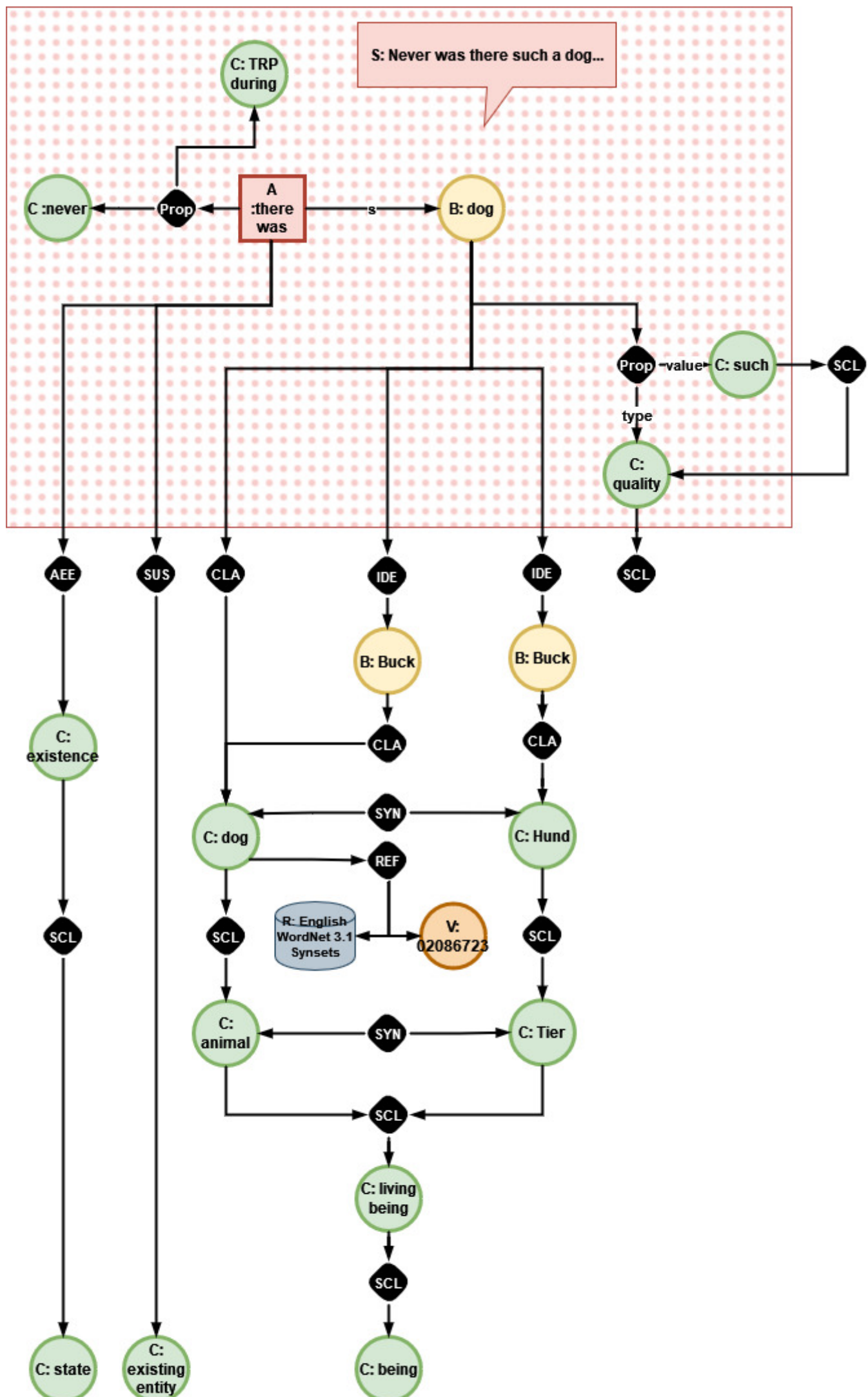
Relations overview

Some core semantic and ontological relations between entities are highlighted in the CASTEMO data model. Their reserved nature - in ways unavailable for specific Property Types, which depend on specific UUIDs - ensures their compatibility across CASTEMO research databases (and InkVisitor deploys). The following table gives an overview of all the relations, the entity types which allow that relation, a brief definition, and an example.

Relation name	Abbreviation	Name in JSON code	Inverse relation name	Allowed entity combinations	Detail	Example
Superclass	SCL	Superclass	Subclasses	A-A, C-C	Superordinate term (hypernym).	C apple -> C fruit A walk -> A move
Superordinate Entity	SOE	Superordinate Entity	Subordinate Entities	L-L, O-O, G-G, E-E, S-S, E-S, S-E, R-R (under discussion: T-T)	Ontological superset.	L Milan -> L Italy O the handle of this door - O this door
Synonym	SYN	Synonym	Synonym	A-A, C-C	Synonym both within a language and across languages (equivalent).	C funny - C strange
Antonym	ANT	Antonym	Antonym	A-A, C-C	Opposite term.	C good - C bad
Property Reciprocal	PRR	PropertyReciprocal	PropertyReciprocal	C-C	The concept that the property reciprocates if read the other way.	C parent <-> C child

Subject/Actant1 Reciprocal	SAR	SubjectActant1Reciprocal	SubjectActant1Reciprocal	A-A	The action that the actant1 gives back to subject.	A hear (from sb - about st) <-> A tell (sb - about st)
Subject Semantics	SUS	SubjectSemantics	Used as Subject semantics	A-C	Semantics of the subject (actant 0) slot.	A talk (to sb - about st) -> C speaker
Actant1 Semantics	A1S	Actant1Semantics	Used as Actant 1 Semantics	A-C	Semantics of the actant 1 (object 1) slot.	A talk (to sb - about st) -> C listener
Actant2 Semantics	A2S	Actant2Semantics	Used as Actant 2 semantics	A-C	Semantics of the actant 2 (object 2) slot.	A talk (to sb - about st) -> C speech content
Action/Event Equivalent	AEE	ActionEventEquivalent	Action equivalent	A-C	What is this action in the world of nouns?	A baptize - C baptism
Related	REL	Related	N/A	SPECTRAL OGB- SPECTRAL OGB	Free relation to connect things not connected by more specific semantic relations.	C tea -> C afternoon
Classification	CLA	Classification	Instances	PLOGESTR B-C	Relations of specific entities to the concepts they are the instance of.	O this apple -> C apple

Identificati on	IDE	Identification	Identification	PLOGESTR B- PLOGESTR B	Declaration of ontological identity between things.	L Italie (French) <- > L Italy (English)
Holonym	HOL	Holonym	Meronyms	C-C	Relation of a part to its whole.	C gate of a monastery -> C monastery
Implication	IMP	Implication	Used as Implication	A-A	Action implied by this action.	A dine (with sb) - > A be in the company (of sb)
In- statement Classificati on			In-statement instances	PLOGESTR B-C	Same as Classificati on, but done from within a Statement.	
In- statement Identificati on			In-statement Identification	PLOGESTR B- PLOGESTR B	Same as Identificati on, but done from within a Statement.	



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