

<b>EXAMPLES</b>	This part of the survey contains a few examples to give you an idea of how the super pattern can look for the claims expressed as AIDA sentences. Pay attention to the way the classes are chosen and also the qualifiers and relations as this might help you in filling in the next parts of the survey.		
<b>CLAIM 1</b>			
AIDA:	<b>Obesity when accompanied by metabolic abnormality is closely associated with knee osteoarthritis.</b>		
Super pattern:	In the context of all things of type	<b>person</b>	
	...things of type	<b>obesity with metabolic abnormality</b>	
	...qualifier	<b>generally: "in at least 90% of cases"</b>	
	...have a relation of type	<b>co-occurs with: "[subj] is close to [obj] in terms of space and time"</b>	
	...to things of type	<b>knee osteoarthritis</b>	
<b>CLAIM 2</b>			
AIDA:	<b>The intake of licorice roots decreases the frequency of vasomotor hot flashes in menopausal women.</b>		
Super pattern:	In the context of all things of type	<b>menopausal women</b>	
	...things of type	<b>intake of licorice roots</b>	
	...qualifier	<b>generally: "in at least 90% of cases"</b>	
	...have a relation of type	<b>decreases: "[subj] causes the value of [obj] to decrease"</b>	
	...to things of type	<b>frequency of vasomotor hot flashes</b>	
<b>CLAIM 3</b>			

AIDA:	Tomicus piniperda can survive entirely on lodgepole pine.		
Super pattern:	In the context of all things of type	tomicus piniperda	
	...things of type	lodgepole pine	
	...qualifier	generally: "in at least 90% of cases"	
	...have a relation of type	is necessary and sufficient for: "[subj] causes the existence of [obj], and [obj] would not exist if [subj] did not exist"	
	...to things of type	survival	
CLAIM 4			
AIDA:	Human ovarian and endometrial cancer cell lines are frequently misidentified.		
Super pattern:	In the context of all things of type	NONE	
	...things of type	human ovarian cancer cell lines and human endometrial cancer cell lines	
	...qualifier	frequently: "in at least 10% of cases"	
	...have a relation of type	includes: "[subj] spatio-temporally includes [obj]"	
	...to things of type	misidentification	
CLAIM 5			
AIDA:	For certain important applications information about relative strength of the individual modes of a laser beam is sufficient to evaluate beam quality.		
Super pattern:	In the context of all things of type	laser applications	
	...things of type	information about relative strength of individual modes of a laser beam	

Super pattern:	...qualifier	can sometimes: "can in at least 0.1% of cases"
	...have a relation of type	enables: "[subj] causes the activity of [obj] to happen"
	...to things of type	evaluation of beam quality

#### CLAIM 6

**AIDA:** In dense hydrogen plasmas, quantum diffraction effects prevail over electron-ion correlation effects.

Super pattern:	In the context of all things of type	dense hydrogen plasma
	...things of type	quantum diffraction effect
	...qualifier	generally: "in at least 90% of cases"
	...have a relation of type	has larger value than: "[quantifiable subj] has a larger value than [quantifiable obj]"
	...to things of type	electron-ion correlation effect

#### CLAIM 7

**AIDA:** Hyperbaric oxygen therapy combined with intravenous edaravone administration is effective for the treatment of patients with acute embolic stroke in the anterior cerebral circulation.

Super pattern:	In the context of all things of type	patients with acute embolic stroke in anterior cerebral circulation
	...things of type	treatment with hyperbaric oxygen therapy and with intravenous edaravone administration
	...qualifier	generally: "in at least 90% of cases"
	...have a relation of type	is same as: "[subj] and [obj] are the same individual"
	...to things of type	effective treatment

CLAIM 8			
AIDA:		Saliva-derived DNA requires fewer SNP calls compared to blood-derived DNA on the DMET Array.	
Super pattern:	In the context of all things of type	DMET array	
	...things of type	SNP call rate required for saliva-derived DNA	
	...qualifier	generally: "in at least 90% of cases"	
	...have a relation of type	has smaller value than: "[quantifiable subj] has a smaller value than [quantifiable obj]"	
	...to things of type	SNP call rate required for blood-derived DNA	
CLAIM 9			
AIDA:		Mycorrhizal specificity in Caladenia orchids does not limit their distribution at a landscape level.	
Super pattern:	In the context of all things of type	caladenia orchids	
	...things of type	mychorrhizal specificity	
	...qualifier	generally not: "in at most 10% of cases"	
	...have a relation of type	inhibits: "[subj] inhibits the activity of [obj] in sense of negatively affecting its intensity or frequency"	
	...to things of type	distribution at landscape level	
CLAIM 10			
AIDA:		The process by Khalfbadam et al. for the treatment of particulate rich wastewater consisting of an electrolysis filter and a bioelectrochemical system (BES) has desirable features for practical application.	
Super pattern:	In the context of all things of type	NONE	
	...things of type	process by Khalfbadam et al. of electrolysis filter and bioelectrochemical system	
	...qualifier	can generally: "can in at least 90% of cases"	

...have a relation of type	<b>contributes to: “[subj] contributes to the activity of [obj] in sense of positively affecting its intensity or frequency”</b>
...to things of type	<b>treatment of particulate rich wastewater</b>