– top

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gistTop

gist7.3

Base URI : http://ontologies.semanticarts.com/o/gistTop
Version URI : http://ontologies.semanticarts.com/o/gistTop7.3
Default Namespace :
Default Comment : rdfs:comment
Default Label :

Namespaces

gist http://ontologies.semanticarts.com/gist#

Imports

gist:hasA [IF]
(gist:IF)
The subject exclusively has or possesses the object, the object does not have independent existence.

rdfs:comment
EXAMPLE: a cable has an inlay, a car has weight (which cannot exist unless the car exists)

rdfs:comment
NOTE: Cascading delete.

gist:produces
The subject creates the object.

rdfs:comment
EXAMPLE: A machine produces a drawing.

gist:hasMember
(gist:memberOf)
Domain:gist:Collection
Relates a Collection to its member individuals.

gist:hasPart [T]
(gist:partOf)
The transitive version of hasDirectPart

gist:hasDirectPart
(gist:directPartOf)
The relationship between a whole and a part where the part has independent existence.

rdfs:comment
NOTE: Use this property to directly associate parts. hasPart is the transitive version.

rdfs:comment
NOTE: No cascading delete.

gist:name
Range:string
Relates an individual to a casual name. NOTE: For more formal use, consider using a sub property of the label property, isIdentifiedBy.

gist:sequence
Range:integer
For ordering ordered lists.

gist:OrderedCollection
A collection where the members are in a fixed sequence.

rdfs:label
Ordered Collection

Subclass of
gist:Collection

gist:IntellectualProperty
A work, invention or concept, independent of its being expressed in text, audio, video, or other physical manifestation, that has social knowledge, know-how, or skill. Also includes Brands.

rdfs:label
Intellectual Property

rdfs:comment
NOTE: For literature this could be called the 'Work', except that 'work' is a highly overloaded term (employment, physics, resource consumption, art). Often the first expression precedes our recognition of the IP, but subsequent expressions are known to be derivates of the IP (e.g., the translation or expression translations (or copies).

rdfs:comment
EXAMPLES: 'The Old Man and The Sea', the Page Rank algorithm, Coca-Cola

gist:Category
A concept or label used to categorize other instances internally. Things that are the same height of as types are usually Categories.

rdfs:comment
EXAMPLE: Tags used in folksonomies; formal definitions from other systems.

rdfs:comment
NOTE: Often a 'bucket' can be modeled either as an owl:Class or as a gist:Category. Use the latter if you want to relate the bucket to other buckets that are different types, or if there is a whole hierarchy of types that are going to be managed by a group separate from the ontology developers. The formal structure may be defined elsewhere and linked to, if necessary.

gist:Collection
Any identifiable grouping of instances. For instance, a jury is a collection of people.

(N) gist:hasMember
some owl:Thing

rdfs:label
Collection

rdfs:comment
EXAMPLES: A jury is a group of documents; a financial ledger is a collection of transaction entries; a route is an (ordered) collection of segments.

gist:Content
A document, program, image, etc. (Categories are not content until they are written down.)

rdfs:label
Content

gist:Language
A recognized, organized set of symbols and grammar.

rdfs:label
Language

rdfs:comment
EXAMPLES: Natural languages such as English and Spanish; computer languages such as XML, Python, and VML.

gist:Intention
Goal, desire, aspiration. This is the "should-do" part of the rule system that indicates things are done with a purpose.

gist:PhysicalThing
Something that takes up space and has weight.
Formal def in PhysicalThing

gist:PhysicalIdentifiableItem
An individually identifiable physical thing in the real world.
Formal def in PhysicalThing

gist:Person
A member of some species, who has lived at some point, and may or may not be dead. (With the open world assumptions, you might not know if someone has died.)
Formal def in Person

gist:PhysicalSubstance
Stuff having weight and volume, and which can be divided and still retain its essence.
Formal def in PhysicalThing

gist:Organization
A generic organization that can be formal or informal, legal or not legal, and can have members, or not.
Formal def in org

gist:Place
A locatable point in physical space.
Formal def in Place

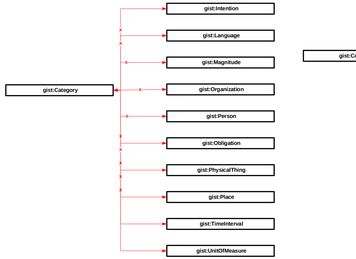
gist:TimeInstant
A point on a time line. Time and dates are in xsd:dateTime format in Universal Time.
Formal def in Time

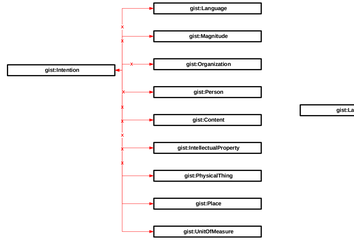
gist:TimeInterval
A specific interval on a timeline with start and end TimeInstant instances and a Duration.
Formal def in Time

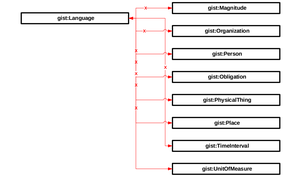
gist:UnitOfMeasure
Base class for units which can be converted. The primitive units can be converted from one measurement system to another; the complex units (table or derived) can only decompose to their primitives.
Formal def in Unit

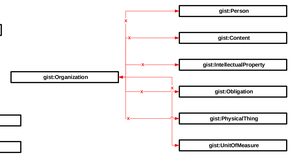
gist:Magnitude
A scalar value which is either measured, estimated, or set as a reference value.
Formal def in Mag

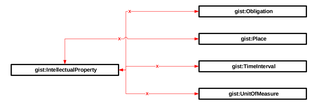
	Category	Collection	Intention	Language	Magnitude	Org	Person	Content	IP	Obligation	PhysicalThing	Place	TimeInterval	UnitOfMeasure
Category	eq		d	d	d	d	d			d	d	d	d	d
Collection		eq			d		d							d
Intention			eq	d	d	d	d	d	d		d	d		d
Language				eq	d	d	d			d	d	d	d	d
Magnitude					eq	d	d	d	d	d	d	d	d	d
Org						eq	d	d	d	d	d			d
Person							eq	d	d	d		d		d
Content								eq			d	d		d
IP									eq	d		d	d	d
Obligation										eq	d	d		d
PhysicalThing											eq			d
Place												eq	d	d
TimeInterval													eq	d
UnitOfMeasure														eq

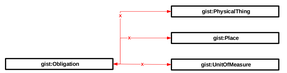


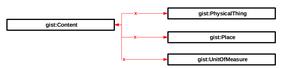


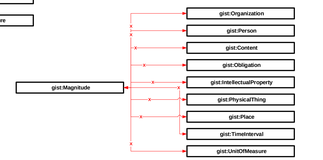












Units and Measures

gistMagnitude

gist7.3 magnitudes

Base URI : http://ontologies.semanticarts.com/o/gistMagnitude
Version URI : http://ontologies.semanticarts.com/o/gistMagnitude7.3
Default Namespace :
Default Comment: rdfs:comment
Default Label :

Namespaces

gist http://ontologies.semanticarts.com/gist#

Imports

URI : http://ontologies.semanticarts.com/o/gistUnit7.3
Location : gistUnit7.3.owl

gist:hasA [IF]

gist:hasPrecision
Range:gist:Magnitude
Links a Magnitude to the degree of accuracy of the numeric value. This allows for fuzzy numbers. All magnitudes have a precision. Usually we don't record them. When we do this, it will be a value whose extent covers 2 standard deviations around the stated magnitude

rdfs:comment
NOTE: Most frequently apples to Magnitude(s) and TimeInstant. Could also apply to a measurement.

rdfs:comment
EXAMPLE: Temperature precise to tenth of a degree C; TimeInstant precise to 24 hours.

gist:hasMagnitude
Range:gist:Magnitude
To have a comparable numerical value. Each magnitude has a unit.

gist:decimalValue
Domain:gist:Magnitude
Range:double

gist:hasUoM
Domain:gist:Magnitude
Range:gist:UnitOfMeasure
Which unit of measure you are using. All measures are in some uom, even if we don't know what it is initially.

gist:Count
A measure that involves countable amounts ('eaches' as well as cases, etc.). Can be decimal.
--- AND ---

rdfs:label
Count

rdfs:comment
NOTE: Count is not disjoint with all the other magnitudes, as there are some magnitudes that could conceivably be counted.

gist:Magnitude

gist:hasUoM
some gist:CountingUnit

gist:RatioMagnitude
This is a number whose unit of measure is a ratio.
--- AND ---

rdfs:label
Ratio Magnitude

rdfs:comment
NOTE: A RatioMagnitude just has one decimal value.

rdfs:comment
EXAMPLE: Speed. The ratio magnitude is 60, the unit of measure might be MilesPerHour.

gist:Magnitude

gist:hasUoM
some gist:RatioUnit

gist:Magnitude
--- AND ---

rdfs:label
Magnitude

rdfs:comment
NOTE: Magnitudes of the same dimensional type (i.e., duration or electric current) can be compared with a greater-than or less-than operator, but can still differ in their relationToTheWorld type. (I.e., you can compare actuals to estimates or references, so long as the dimension is the same.)

rdfs:comment
NOTE: Note the precision should be in the same type of unit as the magnitude.

gist:hasUoM
some gist:UnitOfMeasure

gist:hasPrecision
some gist:Magnitude

gist:of
some owl:Thing

gist:decimalValue
some double

gist:ProductMagnitude
A magnitude expressed as a product of primitives. (E.g., Force = M*A).
--- AND ---

rdfs:label
Product Magnitude

gist:Magnitude

gist:hasUoM
some gist:ProductUnit

gist:Duration
Time, but not on a timeline.
--- AND ---

rdfs:label
Duration

rdfs:comment
EXAMPLE: One week (or seven days), but not Jan 1, 2008 to Jan 7, 2008 (which is an interval). Intervals have durations, but are not themselves durations.

gist:Magnitude

gist:hasUoM
some gist:DurationUnit

gist:Extent
A measure of distance, which could be distances over the Earth, and could also be height, width, length, depth, girth, etc.
--- AND ---

rdfs:label
Extent

gist:Magnitude

gist:hasUoM
some gist:DistanceUnit

gist:Weight
Magnitude of mass. Assumes object is near the Earth's surface. Thus weight and mass may be treated as equivalents.
--- AND ---

rdfs:label
Weight

gist:Magnitude

gist:hasUoM
some gist:MassUnit

gist:InformationQuantity
An amount of data, such as 6 petabytes, or 640KB.
--- AND ---

rdfs:label
Information Quantity

gist:Magnitude

gist:hasUoM
some gist:DataSizeUnit

gist:Area
A measurement of two-dimensional space.
--- AND ---

rdfs:label
Area

gist:Magnitude

gist:hasUoM
some gist:AreaUnit

gist:Volume
Three-dimensional space, or equivalent fluid measurement.
--- AND ---

rdfs:label
Volume

gist:Magnitude

gist:hasUoM
some gist:VolumeUnit

gist:Monetary
A special type of magnitude, due to the way rounding is handled in math and the temporal aspect of conversion.
--- AND ---

rdfs:label
Monetary

gist:Magnitude

gist:decimalValue
some double

gist:hasUoM
some gist:CurrencyUnit

gist:Percentage
A ratio where the numerator and denominator are of the same unit of measure.

rdfs:label
Percentage

rdfs:comment
NOTE: there are various ways to represent percentage: 50/100 could be represented as '50' or '0.5'. gist uses the latter, as it involves fewer conversions for subsequent use.

Subclass of
gist:RatioMagnitude

gist:Temperature
The degree or intensity of heat present in a substance or object, especially as expressed according to a comparative scale.
--- AND ---

rdfs:label
Temperature

gist:hasUoM
some gist:TemperatureUnit

gist:Magnitude

gist:ElectricCurrent
A flow of electric charge.
--- AND ---

rdfs:label
Electric Current

gist:hasUoM
some gist:ElectricalCurrentUnit

gist:Magnitude

gist:LuminousIntensity
A measure of the wavelength-weighted power emitted by a light source in a particular direction per unit solid angle. This is based on the luminosity function, a standardized model of the sensitivity of the human eye.
--- AND ---

rdfs:label
Luminous Intensity

gist:Magnitude

gist:hasUoM
some gist:LuminousIntensityUnit

gist:MolarQuantity
Amount of a substance, as counted molecules.
--- AND ---

rdfs:label
Molar Quantity

gist:Magnitude

gist:hasUoM
some gist:MoleUnit

gistTime

gist7.3 time

Base URI : http://ontologies.semanticarts.com/o/gistTime
Version URI : http://ontologies.semanticarts.com/o/gistTime7.3
Default Namespace :
Default Comment: rdfs:comment
Default Label :

Namespaces

gist	http://ontologies.semanticarts.com/gist#

Imports

URI : http://ontologies.semanticarts.com/o/gistMagnitude7.3
Location : gistMagnitude7.3.owl

gist:timeZoneStandardUsed
Domain:gist:TimeInstant
Range:gist:TimeZoneStandard
the "timezone" with Daylight savings adjust

gist:epoch
Domain:gist:TimeInstant Range:double
seconds since 1/1/1970 UTC (unix time)

gist:dateTime
Domain:gist:TimeInstant Range:dateTime

- **gist:universalDateTime**
  Domain:gist:TimeInstant Range:dateTime
- **gist:localDateTime**
  Domain:gist:TimeInstant Range:dateTime

gist:time
Domain:gist:TimeInstant

- **gist:universalTime**
  Domain:gist:TimeInstant
- **gist:localTime**
  Domain:gist:TimeInstant

gist:date
Domain:gist:TimeInstant

- **gist:universalDate**
  Domain:gist:TimeInstant
- **gist:localDate**
  Domain:gist:TimeInstant

gist:TimeInterval

rdfs:label
Time Interval

rdfs:comment
EXAMPLE: Jan 1 through Jan 8, 2013.

rdfs:comment
NEGATIVE EXAMPLE: “8:00am” (with no date).

rdfs:comment
NOTE: While Time Interval has a Duration, it is not itself a Duration.

rdfs:comment
NOTE: The end should be later than the start, but this is not enforced via OWL.

(N) gist:start
some gist:TimeInstant

(N) gist:end
some gist:TimeInstant

(N) gist:hasMagnitude
some gist:Duration

gist:TimeInterval

gist:TimeInstant

rdfs:label
Time Instant

rdfs:comment
NOTE: Our identity criteria require that something refers to each Time Instant instance.

rdfs:comment
EXAMPLES: A literal instant (as in 12:01.0001 January 1, 2008), or a broader but still single point in time (January 1, 2008). In the latter case, we are declaring a time instant to be an interval with no duration (or really a duration only equal to its precision).

(N) gist:hasPrecision
some gist:Duration

(N) gist:universalDateTime
some dateTime

(N) gist:universalDate
min 1

(N) gist:universalTime
min 1

(N) gist:timeZoneStandardUsed
has gist:_greenwichTimeZone

(N) gist:of
some owl:Thing

gist:LocalInstant

A point in time expressed relative to a local time zone. Can be converted to Universal Time using the time zone offset. The precision is used to state how precise this instant is. Typical values would be day, hour, minute or second.

--- AND ---

rdfs:label
Local Instant

gist:timeZoneStandardUsed
some gist:TimeZoneStandard

gist:sameTimeAs
some gist:TimeInstant

gist:localDateTime
some dateTime

gist:localDate
min 1

gist:localTime
min 1

gist:TimeInstant

gist:TimeZoneStandard -
gist:_greenwichTimeZone

gist:TimeZoneStandard

The algorithm for getting from Greenwich Mean Time to local time, which includes the time zone offset and rules about daylight savings time.

--- AND ---

rdfs:label
Time Zone Standard

gist:Specification

gist:basedOn
some gist:TimeZone

Note: converted date and time from xsd:date and xsd:time to min 1 blank because Fact++ doesn’t recognized date or time

gist:start

Range:gist:TimeInstant

Domain

--- OR ---

- gist:TimeInterval
- gist:Intention
- gist:PhysicalIdentifiableItem
- gist:Content

gist:end

Range:gist:TimeInstant

Domain

--- OR ---

- gist:TimeInterval
- gist:Intention
- gist:PhysicalIdentifiableItem
- gist:Content

gistPlace

gist7.3 place

Base URI : http://ontologies.semanticarts.com/o/gistPlace
Version URI : http://ontologies.semanticarts.com/o/gistPlace7.3
Default Namespace :
Default Comment: rdfs:comment
Default Label :

Namespaces

gist	http://ontologies.semanticarts.com/gist#

Imports

URI : http://ontologies.semanticarts.com/o/gistPhysicalThing7.3
Location : gistPhysicalThing7.3.owl

URI : http://ontologies.semanticarts.com/o/gistMagnitude7.3
Location : gistMagnitude7.3.owl

gist:offsetToUniversal
Domain:gist:TimeZone
Range:gist:Duration

gist:fromPlace
Range:gist:Place

gist:toPlace
Range:gist:Place

gist:hasAltitude
Domain:gist:GeoPoint
Range:gist:Extent
Distance above sea level

gist:geoOccupies
(gist:geoOccupiedBy)
Domain:gist:PhysicalThing

Range

--- OR ---
- gist:GeoRegion
- gist:GeoVolume

gist:permanentGeoOccupies
(gist:permanentGeoOccupiedBy)

gist:latitude
Domain:gist:GeoPoint **Range:**double

gist:longitude
Domain:gist:GeoPoint **Range:**double

gist:geoContains [T]
(gist:geoContainedIn)
Transitive version of geoDirectlyContains

Domain

--- OR ---
- gist:GeoRoute
- gist:GeoSegment
- gist:Landmark
- gist:Room
- gist:GeoPoint
- gist:GeoRegion
- gist:GeoVolume

Range

--- OR ---
- gist:GeoRoute
- gist:GeoSegment
- gist:Landmark
- gist:Room
- gist:GeoPoint
- gist:GeoRegion
- gist:GeoVolume

gist:geoDirectlyContains
(gist:geoDirectlyContainedIn)
The subject geospatially contains the object. E.g. the area of a city contains the area of its neighborhoods

gist:GeoPoint
An individual point on the Earth's surface, identified by latitude, longitude and altitude. If altitude is missing, it is assumed to be at the Earth's surface. However, altitude is measured from sea level.
--- AND ---
- rdfs:label — Geo Point
- gist:hasAltitude — some gist:Extent
- gist:latitude — some double
- gist:longitude — some double
- rdfs:comment — NOTE: Assume coordinate system used by Google (WGS 84 Web Mercator).

gist:GeoRegion
A bounded region (or set of regions) on the surface of the Earth.
--- AND ---
- rdfs:label — Geo Region
- gist:geoDirectlyContains — some gist:GeoPoint
- gist:hasMagnitude — some gist:Area
- rdfs:comment — EXAMPLES: The bounded shape that defines the region occupied by Crater Lake; the bounded area known as the contiguous USA.
- rdfs:comment — NOTE: A GeoRegion has an area, but it is not itself an instance of the Area class. (Area in gist is a magnitude).
- rdfs:comment — NOTE: A GeoRegion could be non-contiguous; e.g. the region governed by the USA is the region governed by the lower 48 states plus that of Alaska and Hawaii. Child classes in lower ontologies can make this distinction.

gist:TimeZone
A region that observes a uniform standard time for legal, commercial, and social purposes. A typical time zone averages 15° of longitude in width and typically observes a clock time one hour earlier than the zone immediately to the east.
--- AND ---
- rdfs:label — Time Zone
- gist:GeoRegion
- gist:offsetToUniversal — some gist:Duration

gist:GeoSegment
A single portion of a GeoRegion which has been divided (i.e., segmented).
--- AND ---
- rdfs:label — Geo Segment
- gist:fromPlace — exactly 1 gist:GeoPoint
- gist:toPlace — exactly 1 gist:GeoPoint

gist:GeoRoute
An ordered set of GeoPoints that defines a path from starting point to ending point.
--- AND ---
- rdfs:label — Geo Route
- gist:OrderedCollection
- gist:hasDirectPart — some gist:GeoSegment

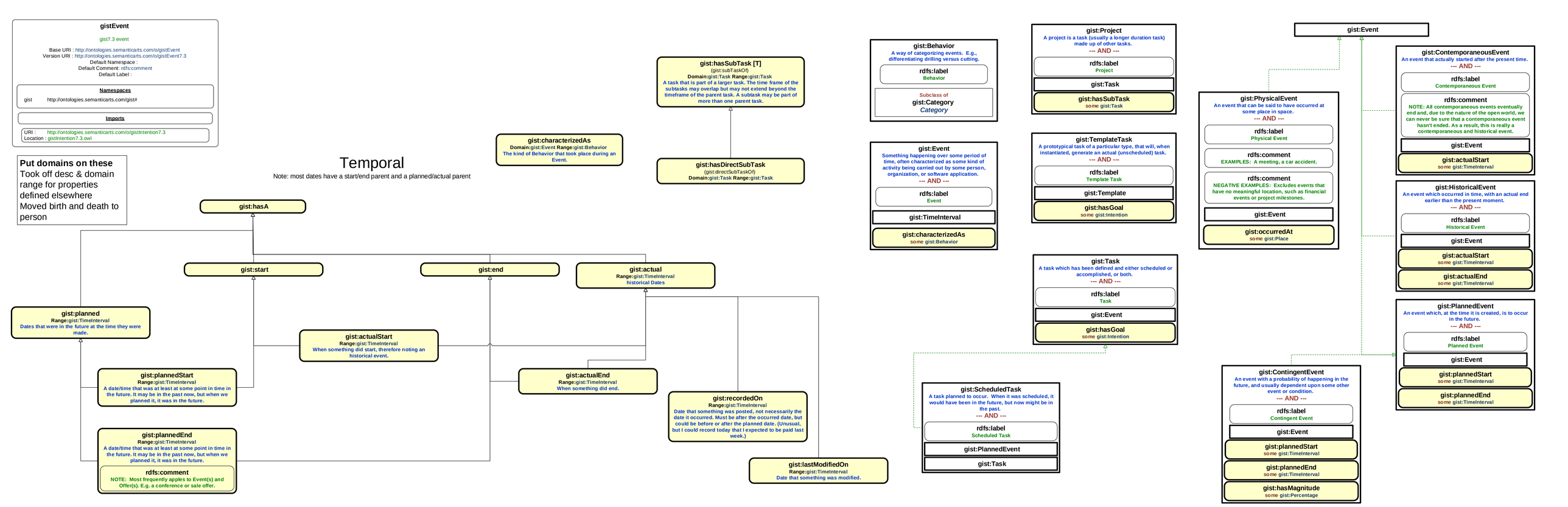
gist:GeoVolume
A three-dimensional space on or near the surface of the Earth, such as an oil reservoir, the body of a lake, or an airspace.
--- AND ---
- rdfs:label — Geo Volume
- gist:geoDirectlyContains — some gist:GeoPoint
- gist:hasMagnitude — some gist:Volume

gist:Place
--- OR ---
- rdfs:label — Place
- gist:GeoRoute
- gist:GeoSegment
- gist:Landmark
- gist:Room
- gist:GeoPoint
- gist:GeoRegion
- gist:GeoVolume

gist:Room
An enclosed area within a building.
--- AND ---
- rdfs:label — Room
- gist:directPartOf — some gist:Building
- gist:identifiedBy — some gist:ID

gist:Landmark
Something permanently attached to the Earth.
--- AND ---
- rdfs:label — Landmark
- gist:PhysicalIdentifiableItem
- gist:permanentGeoOccupies — some
  --- OR ---
  - gist:GeoVolume
  - gist:GeoRegion

gist:Building
A man-made structure for dwelling or working.
- rdfs:label — Building
- Subclass of gist:Landmark


gistEvent
gist7.3 event
Base URI : http://ontologies.semanticarts.com/o/gistEvent
Version URI : http://ontologies.semanticarts.com/o/gistEvent7.3
Default Namespace :
Default Comment: rdfs:comment
Default Label :
Namespaces
gist http://ontologies.semanticarts.com/gist#
Imports
URI : http://ontologies.semanticarts.com/o/gistIntention7.3
Location : gistIntention7.3.owl
Put domains on these
Took off desc & domain
range for properties
defined elsewhere
Moved birth and death to
person
Temporal
Note: most dates have a start/end parent and a planned/actual parent
gist:hasSubTask [T]
(gist:subTaskOf)
Domain:gist:Task Range:gist:Task
A task that is part of a larger task. The time frame of the subtasks may overlap but may not extend beyond the timeframe of the parent task. A subtask may be part of more than one parent task.
gist:characterizedAs
Domain:gist:Event Range:gist:Behavior
The kind of Behavior that took place during an Event.
gist:hasDirectSubTask
(gist:directSubTaskOf)
Domain:gist:Task Range:gist:Task
gist:hasA
gist:start
gist:end
gist:actual
Range:gist:TimeInterval
historical Dates
gist:planned
Range:gist:TimeInterval
Dates that were in the future at the time they were made.
gist:actualStart
Range:gist:TimeInterval
When something did start, therefore noting an historical event.
gist:plannedStart
Range:gist:TimeInterval
A date/time that was at least at some point in time in the future. It may be in the past now, but when we planned it, it was in the future.
gist:actualEnd
Range:gist:TimeInterval
When something did end.
gist:recordedOn
Range:gist:TimeInterval
Date that something was posted, not necessarily the date it occurred. Must be after the occurred date, but could be before or after the planned date. (Unusual, but I could record today that I expected to be paid last week.)
gist:plannedEnd
Range:gist:TimeInterval
A date/time that was at least at some point in time in the future. It may be in the past now, but when we planned it, it was in the future.
rdfs:comment
NOTE: Most frequently applies to Event(s) and Offer(s). E.g. a conference or sale offer.
gist:lastModifiedOn
Range:gist:TimeInterval
Date that something was modified.
gist:Behavior
A way of categorizing events. E.g., differentiating drilling versus cutting.
rdfs:label
Behavior
Subclass of
gist:Category
Category
gist:Event
Something happening over some period of time, often characterized as some kind of activity being carried out by some person, organization, or software application.
--- AND ---
rdfs:label
Event
gist:TimeInterval
gist:characterizedAs
some gist:Behavior
gist:Project
A project is a task (usually a longer duration task) made up of other tasks.
--- AND ---
rdfs:label
Project
gist:Task
gist:hasSubTask
some gist:Task
gist:TemplateTask
A prototypical task of a particular type, that will, when instantiated, generate an actual (unscheduled) task.
--- AND ---
rdfs:label
Template Task
gist:Template
gist:hasGoal
some gist:Intention
gist:Task
A task which has been defined and either scheduled or accomplished, or both.
--- AND ---
rdfs:label
Task
gist:Event
gist:hasGoal
some gist:Intention
gist:ScheduledTask
A task planned to occur. When it was scheduled, it would have been in the future, but now might be in the past.
--- AND ---
rdfs:label
Scheduled Task
gist:PlannedEvent
gist:Task
gist:Event
gist:PhysicalEvent
An event that can be said to have occurred at some place in space.
--- AND ---
rdfs:label
Physical Event
rdfs:comment
EXAMPLES: A meeting, a car accident.
rdfs:comment
NEGATIVE EXAMPLES: Excludes events that have no meaningful location, such as financial events or project milestones.
gist:Event
gist:occurredAt
some gist:Place
gist:ContemporaneousEvent
An event that actually started after the present time.
--- AND ---
rdfs:label
Contemporaneous Event
rdfs:comment
NOTE: All contemporaneous events eventually end and, due to the nature of the open world, we can never be sure that a contemporaneous event hasn't ended. As a result, this is really a contemporaneous and historical event.
gist:Event
gist:actualStart
some gist:TimeInterval
gist:HistoricalEvent
An event which occurred in time, with an actual end earlier than the present moment.
--- AND ---
rdfs:label
Historical Event
gist:Event
gist:actualStart
some gist:TimeInterval
gist:actualEnd
some gist:TimeInterval
gist:PlannedEvent
An event which, at the time it is created, is to occur in the future.
--- AND ---
rdfs:label
Planned Event
gist:Event
gist:plannedStart
some gist:TimeInterval
gist:plannedEnd
some gist:TimeInterval
gist:ContingentEvent
An event with a probability of happening in the future, and usually dependent upon some other event or condition.
--- AND ---
rdfs:label
Contingent Event
gist:Event
gist:plannedStart
some gist:TimeInterval
gist:plannedEnd
some gist:TimeInterval
gist:hasMagnitude
some gist:Percentage

gistAddress

gist7.3 Address

Base URI : http://ontologies.semanticarts.com/o/gistAddress
Version URI : http://ontologies.semanticarts.com/o/gistAddress7.3
Default Namespace :
Default Comment: rdfs:comment
Default Label :

Namespaces

gist	http://ontologies.semanticarts.com/gist#

Imports

URI : http://ontologies.semanticarts.com/o/gistContent7.3
Location : gistContent7.3.owl

URI : http://ontologies.semanticarts.com/o/gistPlace7.3
Location : gistPlace7.3.owl

gist:hasCommunicationAddress
(gist:communicationAddressOf)
Range:gist:Address
Points to a general class of places you can send messages including postal addresses, fax numbers, phone numbers, email, web site, etc.

gist:hasStreetAddress
(gist:streetAddressOf)
Range:gist:BuildingAddress
A place that can be found on a map, has geo coordinates; you could live or work there.

gist:PostalAddress
A set of codes the postal authorities can use to deliver physical mail.

rdfs:label
Postal Address

rdfs:comment
EXAMPLES: a street address, a PO Box, an FPO code, or the route codes.

Subclass of
gist:Address

(N) gist:communicationAddressOf
some gist:SocialBeing

gist:TelephoneNumber
A numeric code a telephonic device uses for contacting another telephonic device.

rdfs:label
Telephone Number

rdfs:comment
EXAMPLES: Mobile, fax, or landline phone number.

Subclass of
gist:Address

gist:communicationAddressOf
some gist:SocialBeing

gist:BuildingAddress
An address to which you can send mail, or that you could find in the physical world.

rdfs:label
Building Address

Subclass of
gist:Address

(N) gist:streetAddressOf
some gist:Building

gist:Address
A reference to a place (real or virtual) that can be located by some routing algorithm, and where messages or things can be sent to or retrieved from. E.g. PO Box or URL to a pdf file.

rdfs:label
Address

Subclass of
gist:Content

gist:ElectronicMessageAddress
Any place an electronic message (email, fax, etc.) can be sent.

rdfs:label
Electronic Message Address

Subclass of
gist:Address

gist:communicationAddressOf
some gist:SocialBeing

gistPerson

gist7.3 Person

Base URI : http://ontologies.semanticarts.com/o/gistPerson
Version URI : http://ontologies.semanticarts.com/o/gistPerson7.3
Default Namespace :
Default Comment: rdfs:comment
Default Label :

Namespaces

gist	http://ontologies.semanticarts.com/gist#

Imports

URI : http://ontologies.semanticarts.com/o/gistPlace7.3
Location : gistPlace7.3.owl

URI : http://ontologies.semanticarts.com/o/gistAddress7.3
Location : gistAddress7.3.owl

gist:offspringOf
(gist:parentOf)
Domain:gist:LivingThing
Range:gist:LivingThing

gist:actualStart

gist:actualEnd

gist:hasBirthDate
Domain:gist:LivingThing **Range:**gist:TimeInstant
Date a living thing was "born" (or germinated, for plants).

gist:hasDeathDate
Domain:gist:LivingThing **Range:**gist:TimeInstant
Date a living thing died

gist:LivingThing
Something that is now, or at some point in time was, alive and growing.
--- AND ---

rdfs:label
Living Thing

rdfs:comment
EXAMPLES: A cat, a mushroom, a tree.

rdfs:comment
NEGATIVE EXAMPLES: fictional life forms such as Unicorns or Mickey Mouse.

rdfs:comment
NOTE: In the open world, you must assume that it might have since died.

gist:PhysicalIdentifiableItem

gist:offspringOf
some gist:LivingThing

gist:hasBirthDate
some gist:TimeInstant

gist:Person
--- AND ---

rdfs:label
Person

rdfs:comment
NEGATIVE EXAMPLE: fictional characters.

gist:LivingThing

gist:name
some string

gist:offspringOf
some gist:Person

gistPhysicalThing

gist7.3 PhysicalThing

Base URI : http://ontologies.semanticarts.com/o/gistPhysicalThing
Version URI : http://ontologies.semanticarts.com/o/gistPhysicalThing7.3
Default Namespace :
Default Comment: rdfs:comment
Default Label :

Namespaces

gist	http://ontologies.semanticarts.com/gist#

Imports

URI : http://ontologies.semanticarts.com/o/gistID7.3
Location : gistID7.3.owl

URI : http://ontologies.semanticarts.com/o/gistMagnitude7.3
Location : gistMagnitude7.3.owl

gist:PhysicalThing

rdfs:label
Physical Thing

Equivalent to
--- AND ---

gist:hasMagnitude
some gist:Weight

gist:hasMagnitude
some gist:Volume

Equivalent to
--- OR ---

gist:PhysicalIdentifiableItem

gist:PhysicalSubstance

gist:madeUpOf
Domain:gist:PhysicalThing
Range:gist:PhysicalSubstance
as in the vase is made up of clay

gist:PhysicalIdentifiableItem

rdfs:label
Physical Identifiable Item

rdfs:comment
NOTE: You could, at least in principle, put an RFID tag on members of this class. Physical things are made of something. E.g., statues are made of bronze.

rdfs:comment
NOTE: In practice, this always means that the parts are not the same kind of thing as the whole.

rdfs:comment
NEGATIVE EXAMPLE: A discontinuous thing like a manufacturing line cannot reasonably have an RFID attached to it, even though its parts are not the same kind of thing as the whole.

rdfs:comment
EXAMPLES: a computer, a book.

(N) gist:madeUpOf
some gist:PhysicalSubstance

(N) gist:identifiedBy
some gist:ID

gist:PhysicalSubstance

rdfs:label
Physical Substance

rdfs:comment
EXAMPLES: An amount of water, of penicillin, of sand, of gold.

rdfs:comment
NOTE: An instance of this class must be a physical thing, and not just a categorical description. Example: an actual piece of gold, not “gold” as a concept.

rdfs:comment
NOTE: Some things are substances at a macro level, but ultimately end up as not being divisible into the same kind of thing. E.g. sand vs. grains of sand., bacteria vs. an individual bacterium.

gist:owns
(gist:ownedBy)
Domain:gist:SocialBeing
Relationship where a Social Being can enjoy the rights of the asset being owned. Note this could be made temporal with gistTemporalRelation

Range

--- OR ---

gist:PhysicalThing

gist:IntellectualProperty

gist:Content

gist:SocialBeing

gistID

gist7.3 id

Base URI : http://ontologies.semanticarts.com/o/gistID
Version URI : http://ontologies.semanticarts.com/o/gistID7.3
Default Namespace :
Default Comment: rdfs:comment
Default Label :

Namespaces

gist	http://ontologies.semanticarts.com/gist#

Imports

URI : http://ontologies.semanticarts.com/o/gistTop7.3
Location : gistTop7.3.owl

gist:hasA

gist:identifiedBy [IF]
(gist:identifies)
Range:gist:ID
This is like a uri: a thing can have more than one ID, but each of the IDs must refer to a unique thing.

gist:uniqueText [F]
Range:string
This is used for the actual value of a key or ID where you don't want the possibility of having more than one.

gist:allocatedBy
Connection between an ID and the thing that minted the ID. It may be a person or organization, or could be an algorithm (next available or random number generator)

Range

--- OR ---

- gist:Person
- gist:Organization
- gist:IntellectualProperty

gist:ID
EXAMPLES: SSN for a person; serial number for a product; employee ID.

--- AND ---

rdfs:label
ID

rdfs:comment
EXAMPLE: e.g. SSN for a person, serial number for a product, employee id

gist:Content

gist:allocatedBy
some

--- OR ---

- gist:Person
- gist:Organization
- gist:IntellectualProperty

gist:uniqueText
some string

gist:SocialBeing
A Person or an Organization.

rdfs:label
Social Being

rdfs:comment
NOTE: Includes anything than can be party to an Agreement (e.g. Contract). But not all SocialBeing(s) can be parties to all Agreement(s). For example, minors can be beneficiaries, but perhaps not primary signatories on contracts.

Equivalent to

--- OR ---

- gist:Organization
- gist:Person

gistOrganization

gist7.3 org

Base URI : http://ontologies.semanticarts.com/o/gistOrganization
Version URI : http://ontologies.semanticarts.com/o/gistOrganization7.3
Default Namespace :
Default Comment: rdfs:comment
Default Label :

Namespaces

gist	http://ontologies.semanticarts.com/gist#

Imports

URI : http://ontologies.semanticarts.com/o/gistPerson7.3
Location : gistPerson7.3.owl

URI : http://ontologies.semanticarts.com/o/gistAddress7.3
Location : gistAddress7.3.owl

URI : http://ontologies.semanticarts.com/o/gistPlace7.3
Location : gistPlace7.3.owl

gist:Organization

rdfs:label
Organization

rdfs:comment
NOTE: There are a plethora of different kinds of organizations that differ along many facets, including members, structure, purpose, legal vs. non-legal, etc.

rdfs:comment
EXAMPLES: Legal entities like companies; non-legal entities like clubs, committees, or departments.

gist:CountryGovernment

The geopolitical body that runs a geopolitical region recognized as a country.

--- AND ---

rdfs:label
Country Government

gist:GovernmentOrganization

gist:directlyRecognizedBy
has gist:_unitedNations

gist:governs
some gist:GeoRegion

gist:GovernmentOrganization -

gist:_unitedNations
if the united nations recognizes you as a country you are a country

gist:governs

(gist:governedBy)
The subject controls or inhibits the object in some way

Domain

--- OR ---

- gist:SocialBeing
- gist:Intention

Range

--- OR ---

- gist:SocialBeing
- gist:Place
- gist:Category
- gist:Content
- gist:Agreement
- gist:IntellectualProperty
- gist:PhysicalThing

gist:GovernmentOrganization

An organization established either by fiat (as a conquering army overtakes a land and declares a government) or by delegation from a fiat government, such as a state or local government or a specific agency. Differs from a corporation in that it cannot be owned.

--- AND ---

rdfs:label
Government Organization

rdfs:comment
EXAMPLES: The State of Washington Office of Financial Management; the Food and Drug Administration; the Scottish Parliament.

gist:Organization

gist:recognizedBy
some gist:CountryGovernment

rdfs:comment
NOTE: Establishment by a CountryGovernment may be indirect via local, regional, or national GovernmentOrganization(s) that ultimately are recognized by a CountryGovernment.

gist:recognizedBy

(gist:recognizes)
Range:gist:SocialBeing
The entity that formally acknowledges the existence of, as the State recognizes the existence of a particular company

gist:directlyRecognizedBy

gist:Group

A collection of People. The group may or may not be an Organization. Many organizations consist of groups of people, but that is not a defining characteristic.

--- AND ---

rdfs:label
Group

gist:Collection

gist:hasMember
some gist:Person

gistContent

gist7.3 content

Base URI : http://ontologies.semanticarts.com/o/gistContent
Version URI : http://ontologies.semanticarts.com/o/gistContent7.3
Default Namespace :
Default Comment: rdfs:comment
Default Label :

Namespaces

gist	http://ontologies.semanticarts.com/gist#

Imports

URI : http://ontologies.semanticarts.com/o/gistID7.3
Location : gistID7.3.owl

gist:Text
Content expressed as words and numbers (not graphics).

rdfs:label
Text

Equivalent to
--- AND ---
gist:Content
gist:expressedIn
some gist:Language
gist:containedText
some string

gist:Template
Any of a large variety of pieces of content that can be used to generate other content.
--- AND ---
rdfs:label
Template
rdfs:comment
EXAMPLE: A form. A filled-in form has the structure of the form with data entered into some or all of the fields.
rdfs:comment
NOTE: Use gist:basedOn to link the instantiation of a template back to its Template.
gist:Content
gist:produces
some gist:Content

gist:fromAgent
The source of a message or shipment

Range
--- OR ---
gist:Address
gist:Person
gist:Organization

gist:expressedIn

gist:toAgent
Range:gist:SocialBeing
Comment: this is not the inverse of fromAgent. A message can be from someone. If we made it the inverse the person would be "to" the message

Range
--- OR ---
gist:Address
gist:Person
gist:Organization

gist:Message
A specific instance of content sent from an Organization, Person, or Application to at least one other Organization, Person, or Application.
--- AND ---
rdfs:label
Message
rdfs:comment
EXAMPLES: An email message, a phone call, a voice message, or a Web Service message.
gist:ContentExpression
gist:fromAgent
some
--- OR ---
gist:Person
gist:Organization
gist:Address
gist:toAgent
some
--- OR ---
gist:Person
gist:Organization
gist:Address

gist:Medium
A physicality on which a work could be implemented or exposed. E.g., paper, clay, or a computer monitor.
rdfs:label
Medium
Subclass of
gist:Category

gist:basedOn
pointer to the thing something was derived from

gist:containedText
Range:string
Links to the string corresponding to Text

gist:categorizedBy
Points to a taxonomy item or other less formally defined class.

gist:about
(gist:describedIn)
Domain:gist:Content
Subject matter of a document.

gist:encryptedText
Range:string
Links to the string corresponding to EncryptedText

gist:renderedOn

gist:GeneralMediaType
The real-world media type for content.
rdfs:label
General Media Type
rdfs:comment
EXAMPLE: audio, still image, video, textual, physical (e.g., a statue), or performance (i.e. a play). Or it could be oil or pastel for a painting.
Subclass of
gist:Category

gist:ContentExpression
Intellectual Property reduced to text, audio etc. If it contains text (written or spoken), it may be in a language.
rdfs:label
Content Expression
Subclass of
gist:Content
(N) gist:expressedIn
some gist:Language
(N) gist:categorizedBy
some gist:GeneralMediaType

gist:FormattedContent
Content which is in a particular format. (E.g., html, pdf, jpg.)
--- AND ---
rdfs:label
Formatted Content
gist:ContentExpression
gist:expressedIn
some gist:MimeType

gist:RenderedContent
Content which has been expressed, either to print, or through speakers, or on a monitor.
--- AND ---
rdfs:label
Rendered Content
gist:ContentExpression
gist:expressedIn
some gist:MimeType
gist:renderedOn
some gist:Medium

gist:MimeType
A digitized type that computer applications can recognize.
rdfs:label
MIME Type
Subclass of
gist:Category

gistAgreement

gist7.3 agreement

Base URI : http://ontologies.semanticarts.com/o/gistAgreement
Version URI : http://ontologies.semanticarts.com/o/gistAgreement7.3
Default Namespace :
Default Comment: rdfs:comment
Default Label :

Namespaces

gist	http://ontologies.semanticarts.com/gist#

Imports

URI : http://ontologies.semanticarts.com/o/gistTime7.3
Location : gistTime7.3.owl

URI : http://ontologies.semanticarts.com/o/gistCategory7.3
Location : gistCategory7.3.owl

URI : http://ontologies.semanticarts.com/o/gistIntention7.3
Location : gistIntention7.3.owl

gist:party
Range:gist:SocialBeing
The people or organizations participating in an agreement or obligation

- gist:giver
- X
- gist:getter

gist:DegreeOfCommitment
The difficulty of reversing a commitment.

rdfs:label
Degree Of Commitment

rdfs:comment
EXAMPLE: A car rental typically has a lower degree of commitment than an airfare reservation.

Subclass of
gist:Category

gist:triggeredBy
a property that describes what would happen to trigger the contingent obligation. In most cases, before the Contingent becomes an Obligation, the triggered by event is a planned event (that is it hasn't happened yet -- if it had happened the contingency would no longer be contingent. In most cases it will be a ContingentEvent

gist:affects
(gist:affectedBy)
the subject has or had or will have an effect on the object

gist:Commitment
An obligation (possibly unilateral).
--- AND ---

rdfs:label
Commitment

gist:giver
some gist:SocialBeing

gist:categorizedBy
some gist:DegreeOfCommitment

--- OR ---

gist:Restriction

gist:Requirement

gist:ContingentObligation
An obligation that is not yet firm. There is some contingent event, the occurrence of which will cause the obligation to become firm.

rdfs:label
Contingent Obligation

rdfs:comment
NOTE: A contingent obligation might have a getter counterparty (as in the case of insurance); but it might not (as in the case of an offer).

Equivalent to
--- AND ---

gist:Commitment

gist:giver
some gist:SocialBeing

gist:triggeredBy
some gist:Event

gist:ContractTerm
A specification of some aspect of a contract.

rdfs:label
Contract Term

Subclass of
gist:Specification

gist:Offer
A commitment to buy or sell a described or identified part or service.
--- AND ---

rdfs:label
Offer

gist:plannedEnd
some gist:TimeInstant

gist:start
some gist:TimeInstant

gist:hasMagnitude
some gist:Monetary

gist:giver
some gist:SocialBeing

gist:hasDirectPart
some gist:CatalogItem

gist:ContingentObligation

gist:Obligation
A future commitment from one organization or person to another. Contracts are sets of obligations to do or forebear, or to indemnify or warrant.

rdfs:label
Obligation

rdfs:comment
NOTE: Obligations will often be governed by some Agreement or Offer.

Equivalent to
--- AND ---

gist:Commitment

gist:giver
some gist:SocialBeing

gist:getter
some gist:SocialBeing

gist:CatalogItem
A description of a product or service to be delivered, given in a sufficient level of detail that a receiver could determine whether delivery constituted discharge of the obligation to deliver.

rdfs:label
Catalog Item

rdfs:comment
NOTE: In short, an unambiguous characterization of what it is that a potential buyer is paying for.

Subclass of
gist:Specification

gist:ProductSpecification
Offering something which could be physically warehoused or digitally stored.
--- AND ---

rdfs:label
Product Specification

gist:CatalogItem

gist:categorizedBy
some gist:ProductCategory

gist:ServiceSpecification
A description of something that can be done for a person or organization (which produces some form of an act).
--- AND ---

rdfs:label
Service Specification

gist:CatalogItem

gist:produces
some gist:Behavior

gist:Agreement
A contract or other binding agreement, usually evidenced by signature(s).
--- AND ---

rdfs:label
Agreement

gist:Commitment

gist:party
min 2 gist:SocialBeing

gist:hasDirectPart
min 2 gist:Obligation

gist:BundledCatalogItem
Any combination of descriptions of things offered together. Could be a kit (several parts offered together), but could also be a product plus a warranty.
--- AND ---

rdfs:label
Bundled Catalog Item

gist:CatalogItem

gist:hasDirectPart
some gist:CatalogItem

gist:ProductCategory
Any of many ways of categorizing products, including models, NATO product codes, and the like.

rdfs:label
Product Category

Subclass of
gist:Category

gist:Account
An agreement having a balance, as in a bank account, or credit card account, or Accounts Receivable account.
--- AND ---

rdfs:label
Account

gist:Agreement

gist:hasMagnitude
some gist:Balance

gist:Balance
An amount decremented or incremented by a series of transactions.
--- AND ---

rdfs:label
Balance

gist:Magnitude

gist:affectedBy
some gist:Transaction

gist:Transaction
An event which has an effect on at least one accumulator.

rdfs:label
Transaction

Subclass of
gist:Event

gistTemporalRelation

gist7.3 temporalRelation

Base URI : http://ontologies.semanticarts.com/o/gistTemporalRelation
Version URI : http://ontologies.semanticarts.com/o/gistTemporalRelation7.3
Default Namespace :
Default Comment: rdfs:comment
Default Label :

Namespaces

gist	http://ontologies.semanticarts.com/gist#

Imports

URI : http://ontologies.semanticarts.com/o/gistTime7.3
Location : gistTime7.3.owl

gist:connectedTo
A non owning, non causal, non-subordinate (ie. peer to peer) relationship.

gist:TimeInterval

gist:TemporalRelation
A relationship existing for a period of time.

rdfs:label
Temporal Relation

rdfs:comment
NOTE: A temporal relation must be gist:connectedTo a minimum of two objects. For example, a temporal relation representing a period of employment is connected both to the person and to the role/position they held.

rdfs:comment
EXAMPLES: employs-Employment, hasStreetAddress-EstablishedLocation. One important context for reifying a property.

(N) gist:start
some gist:TimeInstant

(N) gist:end
some gist:TimeInstant

(N) gist:connectedTo
some owl:Thing

Gist Category 7.3

gistCategory

gist7.3 Categoy

Base URI : http://ontologies.semanticarts.com/o/gistCategory
Version URI : http://ontologies.semanticarts.com/o/gistCategory7.3
Default Namespace :
Default Comment: rdfs:comment
Default Label :

Namespaces

gist	http://ontologies.semanticarts.com/gist#

Imports

URI : http://ontologies.semanticarts.com/o/gistContent7.3
Location : gistContent7.3.owl

gist:Category

(N) gist:allocatedBy
some

--- OR ---

- gist:Person
- gist:Organization
- gist:IntellectualProperty

gist:ControlledVocabulary
A collection of terms approved and managed by some organization or person.
--- AND ---

- rdfs:label — Controlled Vocabulary
- gist:Collection
- gist:hasMember — some gist:Category
- gist:governedBy — some
  --- OR ---
  - gist:Person
  - gist:Organization

gist:allocatedBy

gist:hasPreferredTerm [F]
(gist:preferredTermOf)
Range:gist:Text
If there are many terms for a concept or specific instance, this is the one to use.

gist:Tag
This is for folksonomy type terms, which can be made up on the fly by users.
--- AND ---

- rdfs:label — Tag
- gist:Category
- gist:containedText — some string

gist:hasSuperCategory
(gist:hasSubCategory)
Categories linked in this way are to represeent true sub types. The categories aren't subtypes but classes defined by a supercategory will be a superclass of one derrived from its sub

gist:hasUniqueSuperCategory [F]
Used for taxos that must have single parents

gist:governedBy
(gist:governs)

gist:hasNavigationalParent
(gist:hasNavigationalChild)
Used for informal hierarchical taxonomies. Supports polyhierarchies

gist:hasUniqueNavigationalParent [F]
Used for taxos that must have single parents

gist:Taxonomy
A controlled vocabulary arranged as a hierarchy of concepts.

- rdfs:label — Taxonomy
- Equivalent to
  --- AND ---
  - gist:ControlledVocabulary
  - --- OR ---
    - gist:hasSuperCategory — some gist:Category
    - gist:hasNavigationalParent — some gist:Category

gistIntention

gist 7.3 Intention

Base URI : http://ontologies.semanticarts.com/o/gistIntention
Version URI : http://ontologies.semanticarts.com/o/gistIntention7.3
Default Namespace :
Default Comment: rdfs:comment
Default Label :

Namespaces

gist	http://ontologies.semanticarts.com/gist#

Imports

URI : http://ontologies.semanticarts.com/o/gistTop7.3
Location : gistTop7.3.owl

gist:Restriction
A description of things one is prevented from doing. Most laws are restrictions.
--- AND ---
rdfs:label
Restriction
gist:Intention
gist:prevents
some gist:Behavior

gist:Permission
A description of things one is permitted to do. This could be broad, such as free speech, but more often is very specific, such as the right of egress through a particular property.
--- AND ---
rdfs:label
Permission
gist:Intention
gist:allows
some gist:Behavior

gist:prevents
Domain:gist:Intention
Range:gist:Behavior

gist:allows
Domain:gist:Intention
Range:gist:Behavior

gist:requires
Domain:gist:Intention
Range:gist:Behavior

gist:Requirement
A documented physical or functional need that a particular design, product, or process must be able to perform. Alternately, the obligation of a person or organization to behave in a certain way (i.e., drive on the right side of the road).
rdfs:label
Requirement
Subclass of
gist:Intention
gist:requires
some gist:Behavior

gist:conformsTo
Range:gist:Intention
The subject conforms to the Object, e.g. meet an obligation, meet terms of an offer, adhere to a specification

gist:Specification
A set of requirements to be satisfied by a material, design, product, or service.
rdfs:label
Specification
Subclass of
gist:Requirement

gist:Goal
A specific intentional endpoint. One can tell whether it has been achieved, as opposed to an intention, which may not have an evaluation function.
rdfs:label
Goal
Subclass of
gist:Intention

Measures

gistMeasure

gist 7.3 Measure

Base URI : http://ontologies.semanticarts.com/o/gistMeasure
Version URI : http://ontologies.semanticarts.com/o/gistMeasure7.3
Default Namespace :
Default Comment: rdfs:comment
Default Label :

Namespaces

gist	http://ontologies.semanticarts.com/gist#

Imports

URI : http://ontologies.semanticarts.com/o/gistEvent7.3
Location : gistEvent7.3.owl

gist:Category

gist:ReferenceValue
A measure that was neither measured nor estimated but set by fiat. For instance, a goal. There is no Measurement associated with a ReferenceValue.

rdfs:label
Reference Value

Subclass of
gist:Magnitude

gist:Aspect
A very general term for the characteristic of something that is being measured. E.g., property (height) or a process (cycle time) or a behavior (loyalty).

rdfs:label
Aspect

gist:aspectOf
some

--- OR ---

gist:PhysicalThing

gist:Event

gist:hasMember

gist:hasOrderedMember
(gist:orderedMemberOf)
An inverse functional version of hasMember to ensure that no OrderedMember can be in more than one OrderedCollection., which can quickly lead to problems.

gist:Category

gist:OrdinalMember
A member of an Ordinal Collection. It necessarily precedes or is preceded by another Ordinal Member in the same collection. (This last condition cannot be formally stated in OWL).

rdfs:label
Ordinal Member

(NS) gist:orderedMemberOf
some gist:OrdinalCollection

Subclass of
--- OR ---

gist:strictlyPrecedes
some gist:OrdinalMember

gist:strictlyPrecededBy
some gist:OrdinalMember

gist:precedes
A generic ordering relation indicating that the Subject has the same order as or comes before the Object. The 'greater than or equal to' symbol is often used for this relation.

gist:strictlyPrecedes
(gist:strictlyPrecededBy)
A generic ordering relation indicating that the Subject comes before the Object, it may not be of equal rank. The greater than symbol is often used for this relation.

X

gist:sameOrderAs [S]
A generic ordering relation indicating that the Subject and the Object have the same ordering. The 'equal to' symbol is often used for this relation.

gist:sameOrderAs [R]

gist:OrdinalCollection
An Ordered Collection where no item can be of the same rank as any other item. In mathematical terms, this is a 'total order'.

rdfs:label
Ordinal Collection

Subclass of
gist:OrderedCollection

(N) gist:hasOrderedMember
all gist:OrdinalMember

gist:aspectOf

gistDimensionedUnits

gist7.3 dimensioned units of measure. This extension allows (and requires) you to have a conversion factor for all units with the same dimension. If you introduce MilesPerHour you will have to supply the conversion to MetersPerSecond (even though the system "knows" how to convert Miles to meters and hours to seconds. You will have to supply and addtional conversion when you introduce KilometersPerHour. Any new combination of primtive rations requires a new Dimension. While this is a burden, it allows units to be converted in sparql

Base URI : http://ontologies.semanticarts.com/o/gistUnitDim
Version URI : http://ontologies.semanticarts.com/o/gistUnitDim7.3
Default Namespace :
Default Comment: rdfs:comment
Default Label :

Namespaces

gist	http://ontologies.semanticarts.com/gist#

Imports

URI : http://ontologies.semanticarts.com/o/gistUnit7.3
Location : gistUnit7.3.owl

gist:UnitOfMeasure

(N) gist:convertToStandard
some double

(N) gist:hasStandardUnit
some gist:CoherentUnit

gist:CoherentUnit

A unit that is expressed in units that have no conversions. It may be a simple unit. It may also be a product or ratio unit that bottoms out in simple units.

--- OR ---

rdfs:comment
NOTE: coherent unit is the physics term for this, informally you might think of it as the standard unit for a given dimension.

rdfs:comment
NOTE: in principle, the CoherentUnit for a ProductUnit or RatioUnit can be inferred by recursively decomposing the products and ratios into their respective CoherentUnits, bottoming out in SimpleUnits

rdfs:comment
EXAMPLEs: a simple unit: kilogram

rdfs:comment
EXAMPLEs: the standard unit for acceleration is meters per square second (feet per square second requires a conversion)

gist:BaseUnit

gist:CoherentRatioUnit

gist:CoherentProductUnit

gist:RatioUnit

(N) gist:numerator
exactly 1 gist:UnitOfMeasure

(N) gist:denominator
exactly 1 gist:UnitOfMeasure

gist:ProductUnit

(N) gist:multiplier
exactly 1 gist:UnitOfMeasure

(N) gist:multiplicand
exactly 1 gist:UnitOfMeasure

gist:CoherentRatioUnit

A ratio unit whos numerator and denominator reduce to 1

--- AND ---

gist:RatioUnit

gist:numerator
all

--- OR ---

gist:CoherentRatioUnit

gist:CoherentProductUnit

gist:BaseUnit

gist:denominator
all

--- OR ---

gist:CoherentRatioUnit

gist:CoherentProductUnit

gist:BaseUnit

gist:CoherentProductUnit

A ratio unit whos numerator and denominator reduce to 1

--- AND ---

gist:ProductUnit

gist:multiplier
all

--- OR ---

gist:CoherentRatioUnit

gist:CoherentProductUnit

gist:BaseUnit

gist:multiplicand
all

--- OR ---

gist:CoherentRatioUnit

gist:CoherentProductUnit

gist:BaseUnit

gist:hasStandardUnit

Range:gist:CoherentUnit
For a complex unit refers to a unit that has all the component parts in SI

gist:hasBaseUnit

gist:convertToStandard

Domain:gist:UnitOfMeasure
Range:double
Note this kind of conversion will only work with temperatures if they are in Kelvin or Rankine (with a true 0). You multiple to get to the base, divide to go from the base. mph to mps is .44704. The multiple from kph to mps is .277778 . To convert 60 mph to kph is (60 * .44704 / .277778 or 96.56056 kph

gist:convertToBase

gistCore

gist7.3 Core

Base URI : http://ontologies.semanticarts.com/o/gistCore
Version URI : http://ontologies.semanticarts.com/o/gistCore7.3
Default Namespace :
Default Comment: rdfs:comment
Default Label :

Namespaces

gist	http://ontologies.semanticarts.com/gist#

Imports

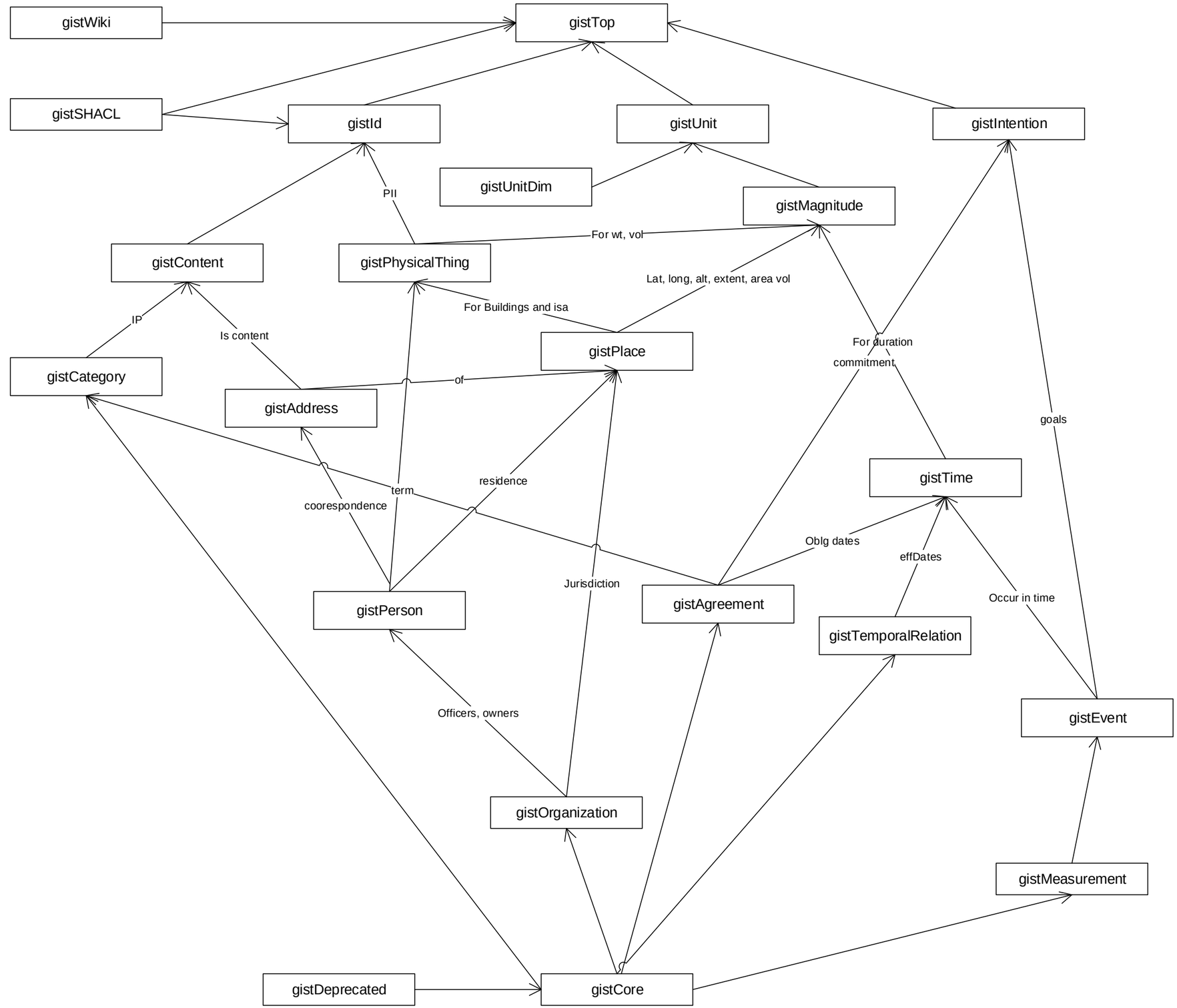
URI : http://ontologies.semanticarts.com/o/gistOrganization7.3
Location : gistOrganization.7.1.1.owl

URI : http://ontologies.semanticarts.com/o/gistAgreement7.3
Location : gistAgreement7.3.owl

URI : http://ontologies.semanticarts.com/o/gistTemporalRelation7.3
Location : gistTemoralRelation.7.1.1.owl

URI : http://ontologies.semanticarts.com/o/gistCategory7.3
Location : gistCategory7.3.owl

URI : http://ontologies.semanticarts.com/o/gistMeasure7.3
Location : gistMeasure7.3.owl



gistDeprecated

Concepts that have been deprecated between the 7.2 and 7.3 release

Base URI : http://ontologies.semanticarts.com/o/gistDeprecated
Version URI : http://ontologies.semanticarts.com/o/gistDeprecated7.3
Default Namespace :
Default Comment: rdfs:comment
Default Label :

Namespaces

gist http://ontologies.semanticarts.com/gist#

Imports

URI : http://ontologies.semanticarts.com/o/gistCore7.3
Location : gistCore7.3

gist:GovernanceCommittee
A group empowered to maintain a controlled vocabulary
--- AND ---
rdfs:label
Governance Committee
gist:Group
gist:directPartOf
some gist:Organization
gist:governs
some gist:ControlledVocabulary
owl:deprecated
true

gist:Measure
The unique result of a single measurement event. It always corresponds to a measure value of some kind. There are four kinds: Nominal, Ordinal, Interval, and Ratio, corresponding to the four main scales of measure. In the first two cases, the Measure has the Value. In the latter two, the measure is the Value, a gist:Magnitude such as 82kg, or 4 degrees C.
rdfs:label
Measure
owl:deprecated
true

gist:MeasurableConcept
rdfs:label
Measurable Concept
Subclass of
gist:Category
owl:deprecated
true

gist:hasAspect
(gist:aspectOf)
Range:gist:Aspect
The Object is a measureable characteristic of the Subject.
owl:deprecated
true
gist:thingMeasuredOn
owl:deprecated
true
gist:measuring
owl:deprecated
true

gist:Luminance
Measure of light
--- AND ---
rdfs:label
Luminance
gist:Magnitude
gist:hasUoM
some gist:LuminescenceUnit
owl:deprecated
true

gist:LuminescenceUnit
Measure of brightness (candles).
--- AND ---
rdfs:label
Luminescence Unit
gist:SimpleUnitOfMeasure
gist:hasBaseUnit
has gist:candela
owl:deprecated
true

gist:BaseUnit - gist:each
owl:deprecated
true

gist:BaseUnit - gist:kilogram
owl:deprecated
true

gist:BaseUnit - gist:kelvin
owl:deprecated
true

gist:BaseUnit - gist:ampere
owl:deprecated
true

gist:BaseUnit - gist:candela
owl:deprecated
true

gist:BaseUnit - gist:mole
owl:deprecated
true

gist:BaseUnit - gist:second
owl:deprecated
true

gist:BaseUnit - gist:meter
owl:deprecated
true

gist:BaseUnit - gist:uSDollar
owl:deprecated
true

KEY for Change Log

V: Visio/Visualization changes only, not affect the owl (callouts, layout, grouping etc)
CL: for clarity only, better comments, fixing typos, laying out differently, etc.
AD: purely additive, will not affect anything already existing.
RF: refactoring, no semantic import. Includes changing names where old name is deprecated.
SU: has semantic import from usage perspective, e.g. a comment changes usage which could give semantic errors.
SI: has semantic import from inference perspective. axiom added, removed, changed etc.
BI: Backwards incompatible

7.2	5/9/2015	AD: (DMc) [gistCat] Added Tag, with a contained Text (whatever the user entered)
7.2	5/9/2015	AD: (DMc) [gistWiki] Added wiki page with an annotation for plurals, and four kinds of topics in case we want to use this. Also navigational categories
7.2	5/9/2015	AD: (DMc) [gistRDFShapes] Added RDFShapes page
7.2	5/9/2015	RF: (DMc) [gistPlace]/[gistTop] Moved Ordered Collection to Top (needs a to have some precedence or sequence)
7.2	5/9/2015	RF: (DMc) [gistCore] removed redundant import from core to event
7.2	5/9/2015	CL: (DMc) [gistTop][gistCat] rationalized redundant comments
7.2	5/9/2015	CL: (DMc) [gistID] rationalized 2 ID boxes
7.2	5/9/2015	RF: (DMc) [gistCat] [gistContent] moved gist:categorizedBy from Cat to Content, where it is first introduced
7.2	5/9/2015	AD: (DMc) [gistCat] added restriction to Governance Committee
7.2	5/9/2015	RF: (DMc) [gistPlace] [gistTop] moved sequnece from place to top
7.2	5/12/2015	AD: (DMc) [gistOrg] added Intention to the domain of governs
7.2	5/12/2015	RF: (DMc) [gistPerson] removed redundant name property
7.2	5/12/2015	SU/SI: (DMc) [gistGrfee] moved affects from Intention to Agree and changed defin of Balance to be affectedBy Trans not hasDirectPart
7.2	5/12/2015	SU/SI: (DMc) [gistOrf] moved governs over from Government Org to Country Government
7.2	5/12/2015	SU/SI: (DMc) [gistID] removed the supproperty from unique text to contained text
7.2	5/12/2015	CL: (DMc) [gist:Org] added comment to govenrns
7.2	5/12/2015	BI: (DMc) [gist:Mag] removed currencyValue (use decimalValue)
7.2	5/12/2015	SU/SI: (DMc) [gist:event] removed domain of Event from PlannedStart to make it consistent with PlannedEnd
7.2	6/12/2015	SU/SI: (DMc) [gist:event] removed domain of Event from all date properties
7.2	6/17/2015	SU/SI: (AE) [gistAddress] removed the domain (SocialBeing) from gist:hasCommunicationAddress
7.2	6/17/2015	SU/SI: (AE) [gistTime] expanded domain of gist:start and gist:end to include gist:Intention
7.2	6/17/2015	RF: (DMc Method, and all Procedures, EncryptedText (the class), most of the Measurements and hasOccuant to Deprecated onto
7.3	10/20/2015	AD: (DMc Category added in navigational subtyping and formal subtyping, and unique formal subtyping
7.3	10/20/2015	AD: (DMc ombined the redundant classes in gist Top, took SocialBeing out of the top and replaced the disjoint of SB with Org (this was probably a prior mistake)
7.3	10/20/2015	RF : (DMc moved SocialBeing down to ID (on the beginning of its way out.)
7.3	10/20/2015	RF : (DMc removed redundant imports
7.3	10/20/2015	AD : (DMc added Measurement back in (Measure was an event so I guess this is disruptive)
7.3	10/20/2015	BI : (DMc removed the property chain on aspectOf
7.3	10/20/2015	BI : (DMc total redo of Shacl)
7.3	10/20/2015	BI : (DMc deleted hasAspect (wasn't used)
7.3	10/20/2015	RF : (DMc remoed redundant Ordered Collection in gistPlace)
7.3	10/20/2015	RF : (DMc in some cases (Mag, PhyThing) I have taken the desc and formal def out of Top, because to bring it in introduces a bunch of stuff not at top level)
7.3	10/20/2015	BI: DMc removed MeasurableConcept
7.3	11/30/2015	AD: DMc added epoch to the Time stuff so we can do durations
7.3	12/23/2015	AD: DMc expanded the domain for start and end
7.3	12/23/2015	CL: DMc moved comments for primitives to top
7.3	1/14/2016	AD: DMc Added UoMDim an optional module to allow sparql unit conversion
7.3	1/14/2016	AD: DMc Also added bit to units and magnitude
7.3	1/20/2016	AD: DMc Made a bunch of comment changes inspired by Michaels wiki posts. Also changed range of allocated to be more explicit, but didn't change meaning.
7.3	1/20/2016	BI: DMc changed name of GovernanceCommittee to DataGovernanceCommittee
7.3	3/4/2016	BI: AE changed gist:Luminance to gist:LuminousIntensity, changed gist:LuminescenceUnit to gist:LuminousIntensityUnit.
7.3	3/25/2016	BI: DMc Made the range of toAgent and fromAgent a union that includes Address
7.3	3/30/2016	CL: MU Unit: Added comment to gist:bit
7.3	3/30/2016	CL: MU CoherentUnit: Added comment to gist:bit
7.3	3/30/2016	SI: MU Event: Changed range from TimeInstant to TimeInverval on gist:actual, and all subproperties of start and end.
7.3	3/30/2016	SI: MU Event: Changed range from TimeInstant to TimeInverval on gist:actual, and all subproperties of start and end.
7.3	3/31/2016	SI: MU Category: Bugfix, added allocatedBy restriction on Category
7.3	3/31/2016	SI: MU Magnitude: Typo: no such class as DataUnit; changed to DataSizeUnit in InformationQuantity restriction
7.3	7/8/2016	SI: AE Temporal Relation: changed gist:connected to restriction on the gist:TemporalRelation Class - instead of "min 2" owl:Thing it is now "some" owl:Thing. Added explanatory rdfs:comment
7.3	9/12/2016	BI: AE Category: deleted gist:DataGovernanceCommittee class, formerly known as gist:GovernanceCommittee.
7.3	9/12/2016	SI: AE Category: added restriction to gist:ControlledVocabulary (gist:governedBy some Person or Organization)
7.3	9/12/2016	SI: AE Category: added the OR restriction to gist:Taxonomy (gist:hasSuperCategory OR gist:hasNavigationalParent some Category)
7.3	9/13/2016	BI/SI: AE Units: added a leading underscore to the URIs of the 8 gist base units
7.3	9/13/2016	CL: AE All: improved annotations on all Classes
7.3	9/23/2016	BI: AE Measure: re-removed Measure and Measurement