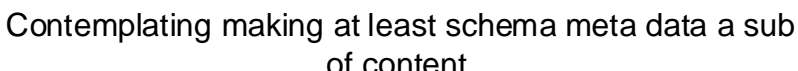
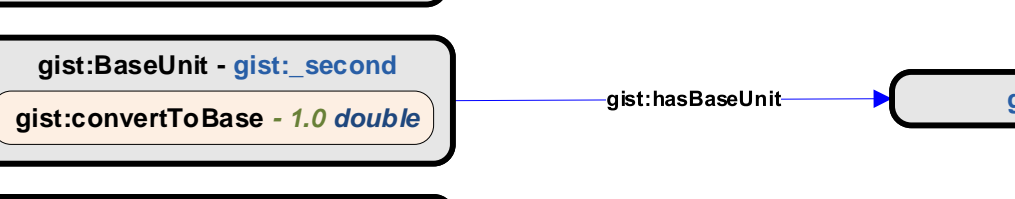
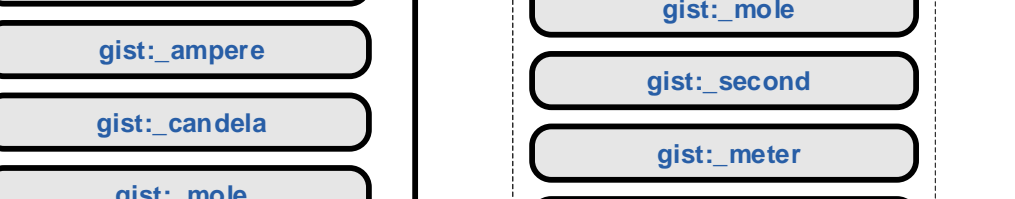
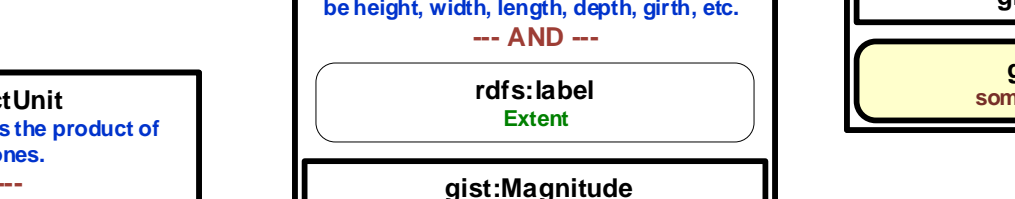
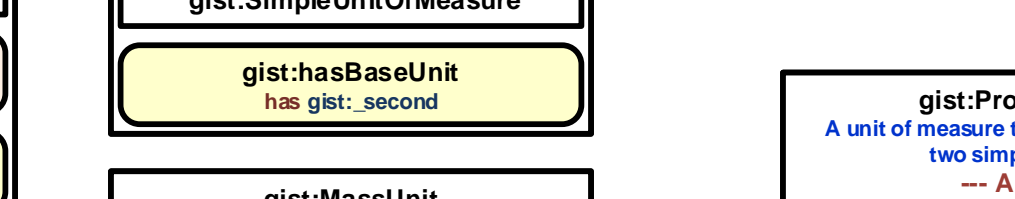
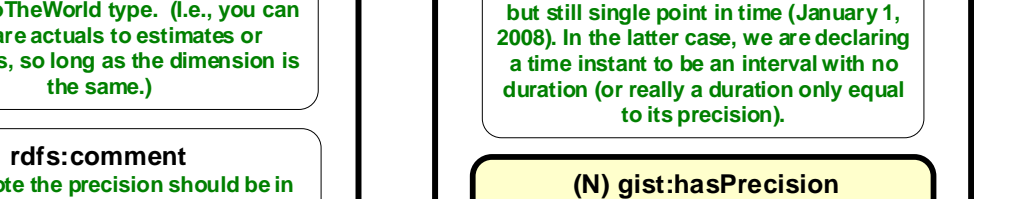
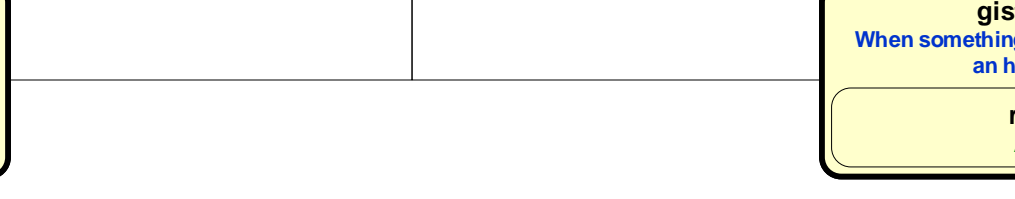
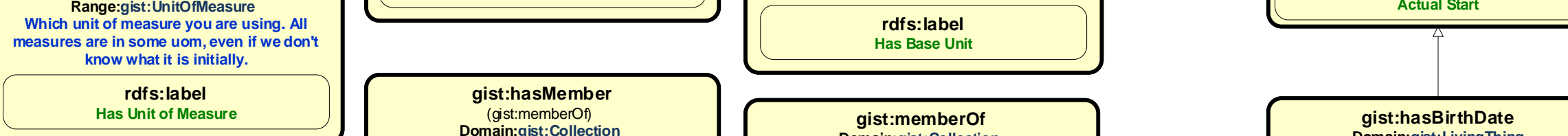


Last Updated : 3/27/2019



The inner circle are the primitive classes most disjoint from each other. Note the few exceptions are next to each other and don't have disjointness (timeinterval and timeinstant for example)



gistUnit

gist Unit of Measure, extends the base units from top to cover Rations and lesser used units (this allows someone to exclude Luminosity if they don't want it )

Base URI : <https://ontologies.semanticarts.com/o/gistUnit>  
Version URI : <https://ontologies.semanticarts.com/o/gistUnit9.0.0>  
Default Namespace :  
Default Comment: `rdfs:comment`  
Default Label : `rdfs:label`

Namespaces

gist    <https://ontologies.semanticarts.com/gist/>

Imports

URI :    <https://ontologies.semanticarts.com/o/gistTop9.0.0>  
Location : [gistTop9.0.0.owl](#)

gist:license

<https://creativecommons.org/licenses/by-sa/3.0/>

# Units and Measures

These are the remaining base units that were not essential for the definition of top level concepts

gist:unitSymbol

Domain:gist:UnitOfMeasure Range:string  
The standard symbol for the unit NOT using any special characters. E.g. square meter would be m^2 rather than m².

rdfs:label

Unit Symbol

gist:unitSymbolUnicode

Domain:gist:UnitOfMeasure Range:string  
The standard symbol for the unit preferred for pretty printing, may use special characters. E.g. square meter would be m² rather than m^2.

rdfs:label

Unit Symbol Unicode

gist:unitSymbolHTML

Domain:gist:UnitOfMeasure Range:string  
The standard symbol for the unit in HTML format for pretty printing, may use special characters. E.g. to show square meter as m² rather than m^2, the value of this property would be "<![CDATA[m&sup2;]]>" This is for when Unicode not supported and the display will be HTML format.

rdfs:label

Unit Symbol HTML

gist:RatioUnit

A UnitOfMeasure composed of a numerator unit and a denominator unit.  
--- AND ---

rdfs:label

Ratio Unit

rdfs:comment

EXAMPLE: Miles per hour.

rdfs:comment

NOTE: If needed, a conversion factor for a RatioUnit can be (recursively) derived from the conversion factors of the numerator and denominator units. E.g., the derived conversion factor from km/minute to meters/second is 1000/60 or 16 2/3.

gist:UnitOfMeasure

gist:numerator

some gist:UnitOfMeasure

gist:denominator

some gist:UnitOfMeasure

gist:CurrencyUnit

A unit of money. Note: this is the only unit whose conversion factors include time (i.e., the conversion rates change on a daily basis).  
--- AND ---

rdfs:label

Currency Unit

gist:SimpleUnitOfMeasure

gist:hasBaseUnit

has gist:\_USDollar

gist:CountingUnit

A unit of counting, especially 'each', but also units such as dozens.  
--- AND ---

rdfs:label

Counting Unit

gist:SimpleUnitOfMeasure

gist:hasBaseUnit

has gist:\_each

gist:DataSizeUnit

A unit to measure amounts of digital information.  
--- AND ---

rdfs:label

Data Size Unit

gist:SimpleUnitOfMeasure

gist:hasBaseUnit

has gist:\_bit

gist:TemperatureUnit

Unit of measurement for expressing temperature. Per SI, the base of temperature is in Kelvin, to allow for all units to be expressed relative to a real (in this case absolute) zero.  
--- AND ---

rdfs:label

Temperature Unit

gist:SimpleUnitOfMeasure

gist:hasBaseUnit

has gist:\_kelvin

gist:conversionOffset

some double

gist:ElectricalCurrentUnit

Unit of electrical current, which is charge per unit time. The SI unit is the ampere. (Note that electrical current is a composed unit.)  
--- AND ---

rdfs:label

Electrical Current Unit

gist:SimpleUnitOfMeasure

gist:hasBaseUnit

has gist:\_ampere

gist:LuminousIntensityUnit

The measure of brightness. The SI unit is the candela.  
--- AND ---

rdfs:label

Luminous Intensity Unit

gist:SimpleUnitOfMeasure

gist:hasBaseUnit

has gist:\_candela

gist:MoleUnit

Amount of chemical material. Measured in Avogadro units (moles) of 6.02 x 10^23 molecules.  
--- AND ---

rdfs:label

Mole Unit

gist:SimpleUnitOfMeasure

gist:hasBaseUnit

has gist:\_mole

gist:numerator

Domain:gist:RatioUnit  
Range:gist:UnitOfMeasure  
Relates a RatioUnit such as meter(s)/second to the numerator Unit (e.g. meter).

rdfs:label

Numerator

gist:denominator

Domain:gist:RatioUnit  
Range:gist:UnitOfMeasure  
Relates a RatioUnit such as meters/second to the denominator Unit (e.g. second).

rdfs:label

Denominator



gistTime

gistTime how timezones and some common precisions are modeled

Base URI : <https://ontologies.semanticarts.com/o/gistTime>  
Version URI : <https://ontologies.semanticarts.com/o/gistTime9.0.0>  
Default Namespace :  
Default Comment: [rdfs:comment](#)  
Default Label : [rdfs:label](#)

Namespaces

gist    <https://ontologies.semanticarts.com/gist/>

Imports

URI :    <https://ontologies.semanticarts.com/o/gistTop9.0.0>  
Location : [gistTop9.0.0.owl](#)

gist:license

<https://creativecommons.org/licenses/by-sa/3.0/>

gist:GreenwichInstant

By default time instants are expressed in grenich, if you need to be explicit (to calculate offset for instance)

--- AND ---

rdfs:label

Greenwich instant

gist:TimeInstant

gist:timeZoneStandardUsed

has gist:\_greenwichTimeZone

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: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

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:offsetToUniversal

Domain:gist:TimeZone Range:gist:Duration

How many hours the timezone if off GMT

rdfs:label

Offset To Universal

gist:sameTimeAs

Domain:gist:TimeInstant Range:gist:TimeInstant

We can have two local time instants refer to the same time, the same universal time.

rdfs:label

Same Time As

gist:timeZoneStandardUsed

Domain:gist:TimeInstant Range:gist:TimeZoneStandard

the "timezone" with Daylight savings adjust

rdfs:label

Time Zone Standard Used

gist:Duration - gist:\_one\_day

gist:decimalValue - 1.0 double

gist:DurationUnit - gist:\_day

gist:convertToBase - 86400.0 double

gist:BaseUnit - gist:\_second

gist:Duration - gist:\_one\_minute

gist:decimalValue - 1.0 double

gist:DurationUnit - gist:\_minute

gist:convertToBase - 1.0 double

gist:BaseUnit - gist:\_second

gist:Duration - gist:\_one\_millisecond

gist:decimalValue - 1.0 double

gist:DurationUnit - gist:\_millisecond

gist:convertToBase - 0.001 double

gist:BaseUnit - gist:\_second

gist:DateInstant

A point in time known only to the accuracy of one day. Say the signing of the declaration of independence on 7/4/1776

--- AND ---

gist:TimeInstant

gist:hasPrecision

has gist:\_one\_day

rdfs:label

Date Instant

gist:HumanInstant

A point in time known only to the accuracy of one minute. For things like calendar appointments and time reporting

--- AND ---

gist:TimeInstant

gist:hasPrecision

has gist:\_one\_minute

rdfs:label

Human Instant

gist:SystemInstant

A point in time known to the accuracy of a millisecond. For posting transaction recorded on times

--- AND ---

gist:TimeInstant

gist:hasPrecision

has gist:\_one\_millisecond

rdfs:label

System Instant

gistPlace key GIS style primitives

Base URI : <https://ontologies.semanticarts.com/o/gistPlace>  
Version URI : <https://ontologies.semanticarts.com/o/gistPlace9.0.0>  
Default Namespace :  
Default Comment: [rdfs:comment](#)  
Default Label : [rdfs:label](#)

Namespaces

gist    <https://ontologies.semanticarts.com/gist/>

Imports

URI :    <https://ontologies.semanticarts.com/o/gistMeasure9.0.0>  
Location : [gistMeasure9.0.0.owl](#)

gist:license

<https://creativecommons.org/licenses/by-sa/3.0/>

gist:geoContainedIn

All the transitive places something is located in

rdfs:label

Geo Contained In

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

rdfs:label

Geo Contains

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

Union of all the geo classes

--- 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

gist:geoOccupies

(gist:geoOccupiedBy)  
A thing occupies are region

Domain

--- OR ---

gist:PhysicalIdentifiableItem

gist:PhysicalSubstance

Range

--- OR ---

gist:Place

rdfs:label

Geo Occupies

gist:permanentGeoOccupies

(gist:permanentGeoOccupiedBy)  
To be in a fixed position on the earth

rdfs:label

Permanent Geo Occupies

gist:geoOccupiedBy

what is in the location

rdfs:label

Geo Occupied By

gist:hasPhysicalLocation

Range:gist:Place  
Where something is located

rdfs:label

Has Physical Location

gist:permanentGeoOccupiedBy

What is in the fixed location

rdfs:label

Permanent Geo Occupied By

gist:geoDirectlyContainedIn

the neighborhood is in the city

rdfs:label

Geo Directly Contained In

gist:geoDirectlyContains

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

rdfs:label

Geo Directly Contains



gistEvent

gistEvent introduces distinctions between planned actual and hypothetical events

Base URI : <https://ontologies.semanticarts.com/o/gistEvent>  
Version URI : <https://ontologies.semanticarts.com/o/gistEvent9.0.0>  
Default Namespace :  
Default Comment : [rdfs:comment](#)  
Default Label : [rdfs:label](#)

Namespaces

gist    <https://ontologies.semanticarts.com/gist/>

Imports

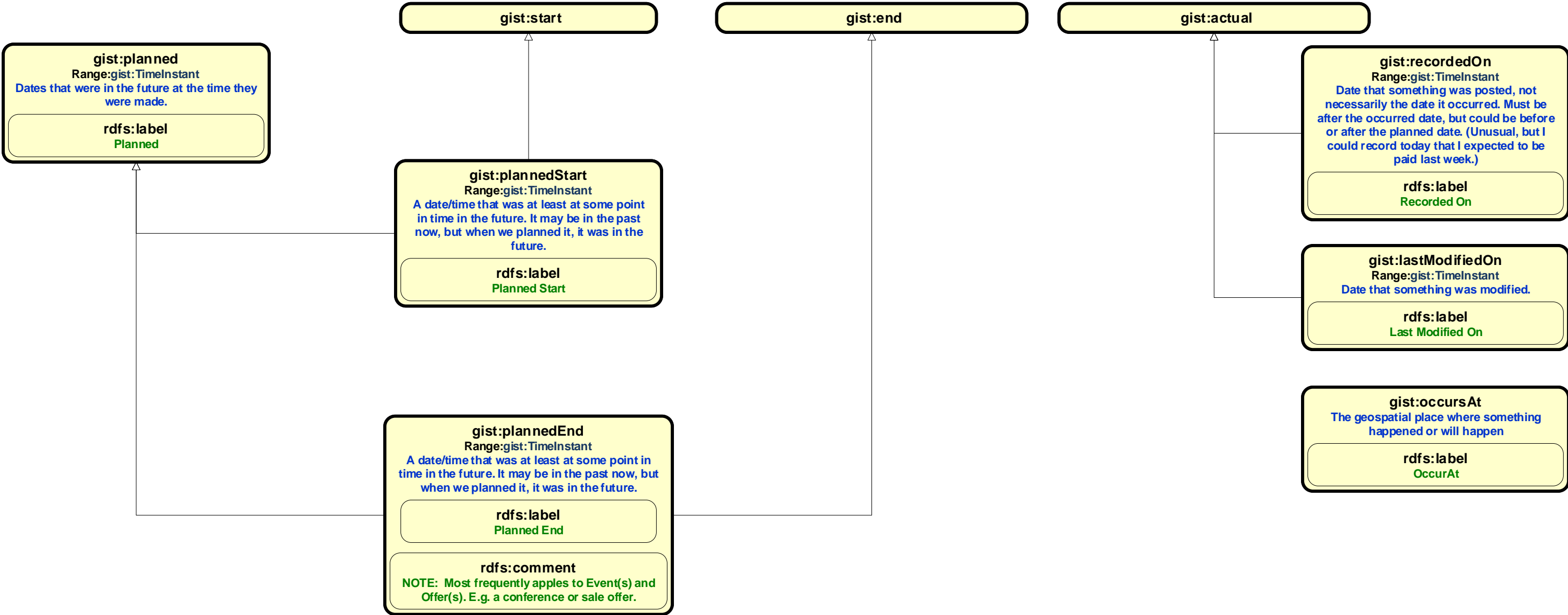
URI :    <https://ontologies.semanticarts.com/o/gistTime9.0.0>  
Location : [gistTime9.0.0.owl](#)

gist:license

<https://creativecommons.org/licenses/by-sa/3.0/>

## Temporal

Note: most dates have a start/end parent and a planned/actual parent



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: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:TaskTemplate

An outline of 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: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:subTaskOf [T]

All the upper tasks this task belongs ot

rdfs:label

Sub Task Of

gist:directSubTaskOf

Immediate parent task

rdfs:label

Direct Sub Task Of

gist:hasDirectSubTask

(gist:directSubTaskOf)  
Domain: gist:Task Range: gist:Task  
Immediate child task

rdfs:label

Has Direct Sub Task

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.

rdfs:label

Has Sub Task

gist:occursAt

The geospatial place where something happened or will happen

rdfs:label

OccurAt

gist:lastModifiedOn

Range: gist:TimeInstant  
Date that something was modified.

rdfs:label

Last Modified On

gist:recordedOn

Range: gist:TimeInstant  
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.)

rdfs:label

Recorded On

gist:Event

gist:ContemporaneousEvent

An event that actually started after the present time. When we record an end time it ceases to be contemporaneous

--- 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:TimeInstant

gist:actualEnd

max 0 gist:TimeInstant

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:TimeInstant

gist:actualEnd

some gist:TimeInstant

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:TimeInstant

gist:plannedEnd

some gist:TimeInstant

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:TimeInstant

gist:plannedEnd

some gist:TimeInstant

gist:hasMagnitude

some gist:Percentage

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:occursAt

some gist:Place



The diagram consists of two yellow rounded rectangles. The top rectangle contains the text **gist:directlyRecognizedBy** in bold black font, with **The party doing the recognition** in blue font below it. The bottom rectangle contains the text **rdfs:label** in bold black font, with **Directly RecognizedBy** in green font below it. A black line connects the two rectangles, indicating a relationship.

A diagram illustrating the relationship between two properties. A yellow rounded rectangle contains the text **gist:recognizes** in black and **Recognizes** in blue. Below this rectangle is a white rounded rectangle with a black border containing the text **rdfs:label** in black and **Recognizes** in green.

**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:GeoPoliticalRegion**  
A collection of GeoRegions that are being administered by a Government Organization  
--- **AND** ---

**rdfs:label**  
GeoPolitical Region

**gist:Collection**

**gist:hasMember**  
some gist:GeoRegion

**gist:governedBy**  
some gist:GovernmentOrganization

**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: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 types of content and mediums

Base URI : <https://ontologies.semanticarts.com/o/gistContent>  
Version URI : <https://ontologies.semanticarts.com/o/gistContent9.0.0>  
Default Namespace :  
Default Comment: [rdfs:comment](#)  
Default Label : [rdfs:label](#)

**Namespaces**

gist      <https://ontologies.semanticarts.com/gist/>

**Imports**

URI :      <https://ontologies.semanticarts.com/o/gistTop9.0.0>  
Location : [gistTop9.0.0.owl](#)

**gist:license**

<https://creativecommons.org/licenses/by-sa/3.0/>

**gist:fromAgent**

The source of a message or shipment

Range

--- OR ---

gist:Address

gist:Person

gist:Organization

rdfs:label

From Agent

**gist:toAgent**

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

rdfs:label

To Agent

**gist:about**

(gist:describedIn)

Domain: gist: Content

Subject matter of a document.

rdfs:label

About

**gist:describedIn**

Docuemnt the subject matter appeared in

rdfs:label

Described In

**gist:expressedIn**

The language something was expressed in

rdfs:label

Expressed In

**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:containedText**

Range:string

Links to the string corresponding to Text

rdfs:label

Contained Text

**gist:encryptedText**

Range:string

Links to the string corresponding to EncryptedText

rdfs:label

Encrypted Text

**gist:renderedOn**

What media somethign was rendered On

rdfs:label

Rendered On

**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: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: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:FormmattedContent**

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:Rendered Content**

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:fromAgent**

some

--- OR ---

gist:Person

gist:Organization

gist:Address

**gist:toAgent**

some

--- OR ---

gist:Person

gist:Organization

gist:Address

**gist:MimeType**

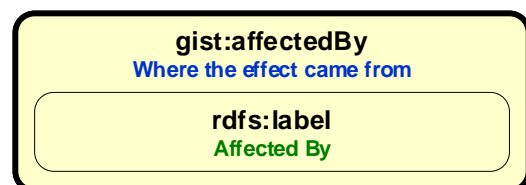
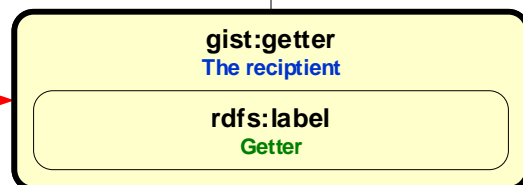
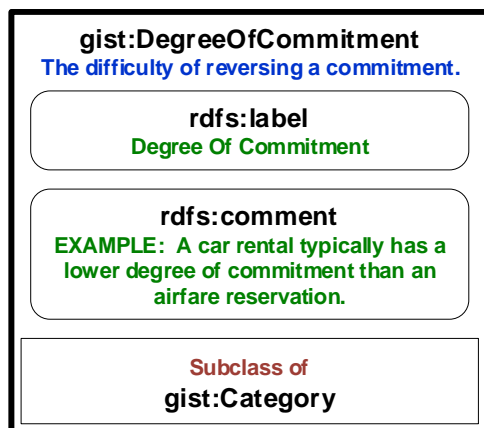
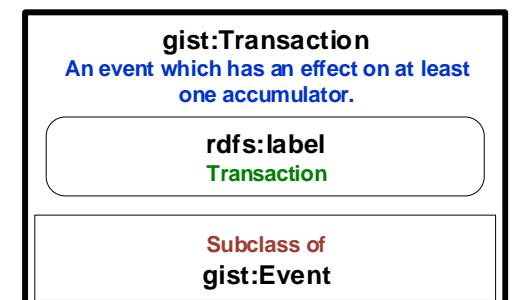
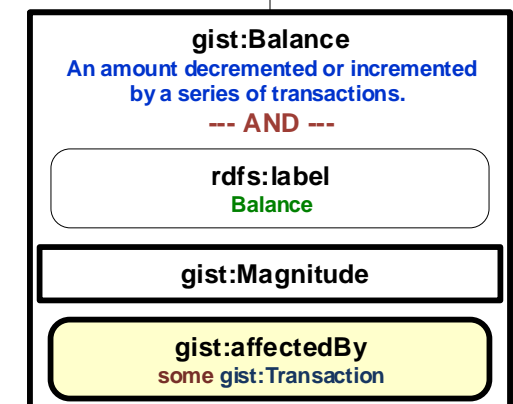
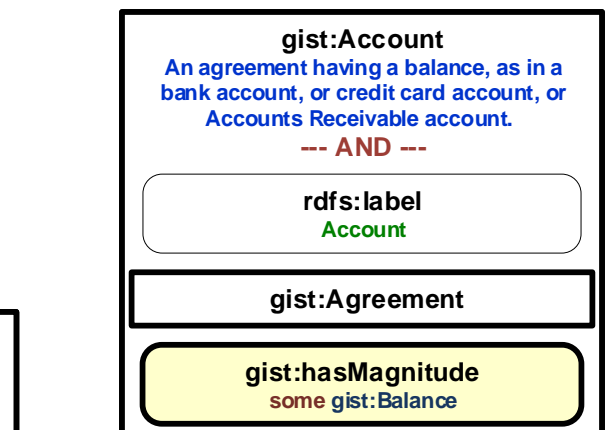
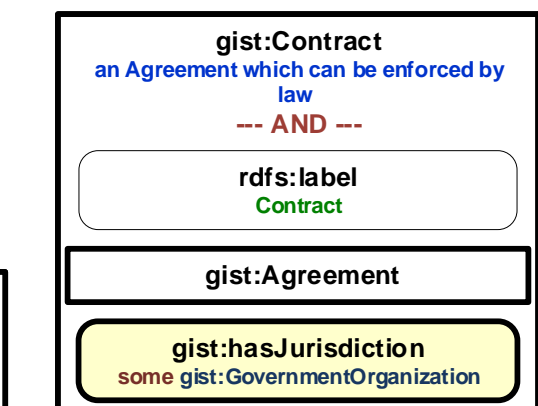
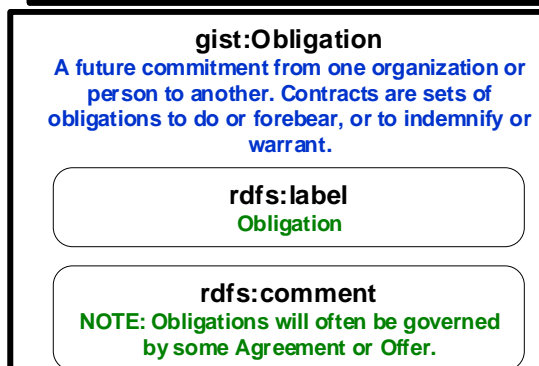
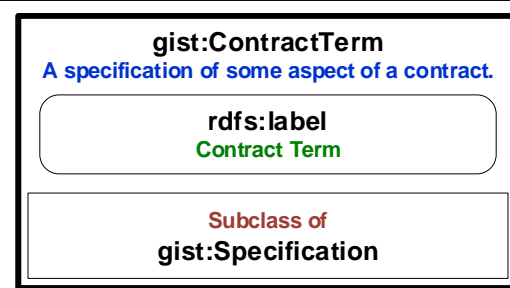
A digitized type that computer applications can recognize.

rdfs:label

MIME Type

Subclass of

gist:Category





# gistTemporalRelation

gistTemporal is the parent class of all Temporal Relations

Base URI : <https://ontologies.semanticarts.com/o/gistTemporalRelation>  
Version URI : <https://ontologies.semanticarts.com/o/gistTemporalRelation9.0.0>  
Default Namespace :  
Default Comment : [rdfs:comment](#)  
Default Label : [rdfs:label](#)

**Namespaces**

gist      <https://ontologies.semanticarts.com/gist/>

**Imports**

URI :      <https://ontologies.semanticarts.com/o/gistTime9.0.0>  
Location : [gistTime9.0.0.owl](#)

**gist:license**

<https://creativecommons.org/licenses/by-sa/3.0/>

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**Namespaces**

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<b><u>Namespaces</u></b>	
gist	<a href="https://ontologies.semanticarts.com/gist/">https://ontologies.semanticarts.com/gist/</a>

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gist	<a href="https://ontologies.semanticarts.com/gist/">https://ontologies.semanticarts.com/gist/</a>

### Imports

URI : <https://ontologies.semanticarts.com/o/gistTime9.0.0>  
Location : <gistTime9.0.0.owl>

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**gist:license**  
<https://creativecommons.org/licenses/by-sa/3.0/>

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

**rdfs:label**  
**Connected To**

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

**rdfs:label**  
**Connected To**

**rdfs:label**  
Connected To

**rdfs:label**  
Connected To

**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**  
min 2 owl:Thing

**gist:TemporalRelation**  
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**rdfs:label**  
Temporal Relation

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min 2 owl:Thing

**rdfs:label**  
Temporal Relation

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

**rdfs:comment**  
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hasStreetAddress-EstablishedLocation.  
One important context for reifying a  
property.

(N) gist:start  
some gist:TimeInterval

(N) gist:start  
some gist:TimeInterval

(N) gist:end  
some gist:TimeInterval

(N) gist:end  
some gist:TimeInterval

(N) gist:connectedTo  
min 2 owl:Thing

(N) gist:connectedTo  
min 2 owl:Thing





gistIntention

the Teleological aspect of systems. Whhey are we doing something.

Base URI : https://ontologies.semanticarts.com/o/gistIntention  
Version URI : https://ontologies.semanticarts.com/o/gistIntention9.0.0  
Default Namespace :  
Default Comment: rdfs:comment  
Default Label : rdfs:label

Namespaces

gisthttps://ontologies.semanticarts.com/gist/

Imports

URI : https://ontologies.semanticarts.com/o/gistTop9.0.0  
Location : gistTop9.0.0.owl

gist:license

https://creativecommons.org/licenses/by-sa/3.0/

gist:prevents

Domain: gist: Intention  
Range: gist: Behavior  
The intention (say a law) is intended to prevent this kind of behavior (say jaywalking)

rdfs:label

Prevents

gist:allows

Domain: gist: Intention  
Range: gist: Behavior  
The intention (say a grant) allows a particular kind of activity (for instance egress)

rdfs:label

Allows

gist:requires

Domain: gist: Intention  
Range: gist: Behavior  
An intention that sets out a state of satisfaction (you are required to drive on right side of the road)

rdfs:label

Requires

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

rdfs:label

Conforms To

gist:basisFor

(gist: basedOn)  
Reason for an event

rdfs:label

Basis For

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: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: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

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: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: basisFor

some gist: Event

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: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





## gistDimensionedUnits

gist9.0.0 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 additional conversion when you introduce KilometersPerHour. Any new combination of primitive rations requires a new Dimension. While this is a burden, it allows units to be converted in sparql

Base URI : <https://ontologies.semanticarts.com/o/gistUnitDim>  
Version URI : <https://ontologies.semanticarts.com/o/gistUnitDim9.0.0>  
Default Namespace :  
Default Comment : [rdfs:comment](#)  
Default Label : [rdfs:label](#)

### Namespaces

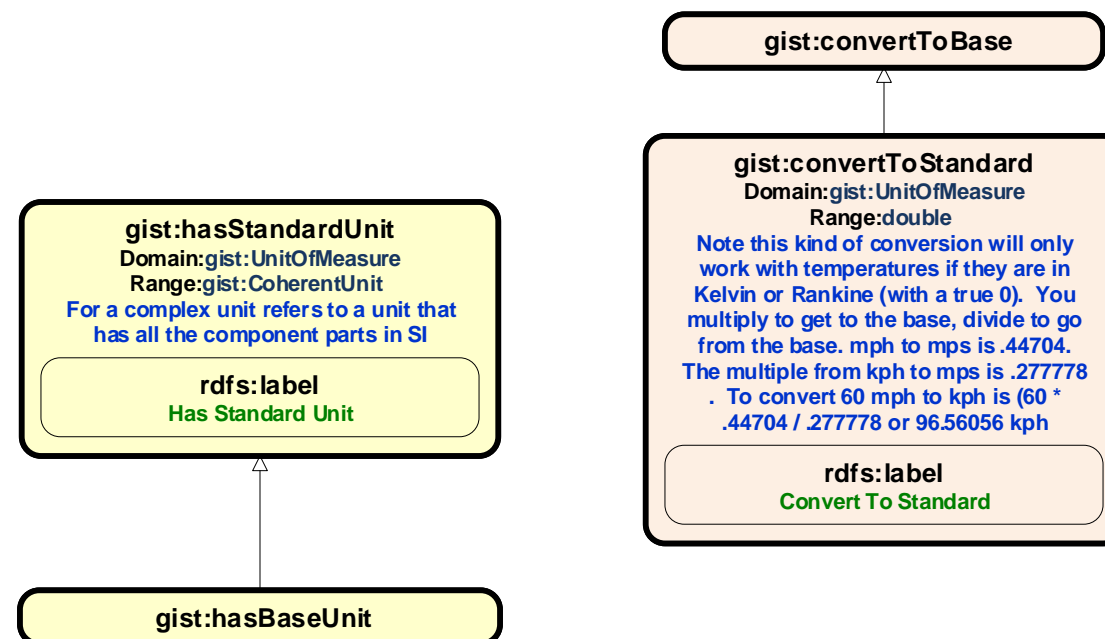
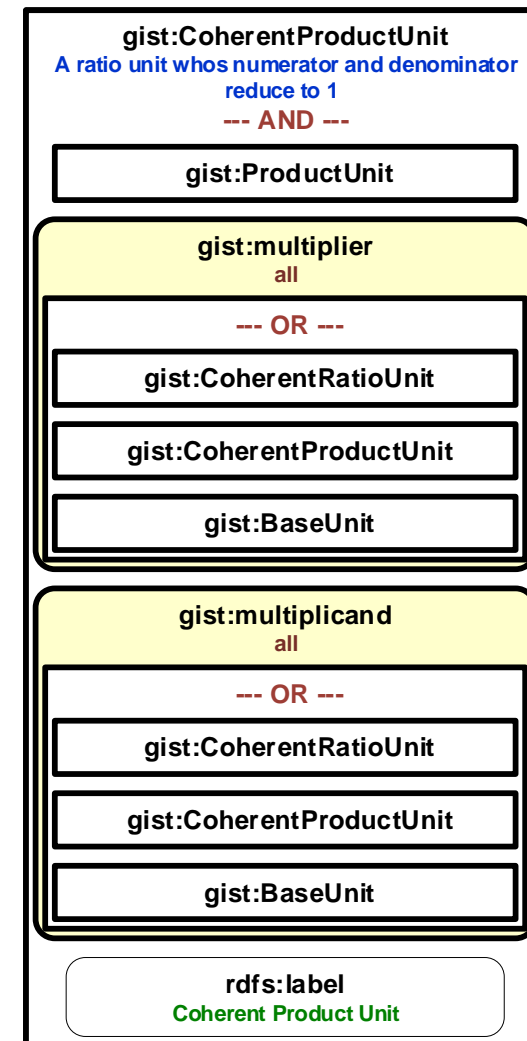
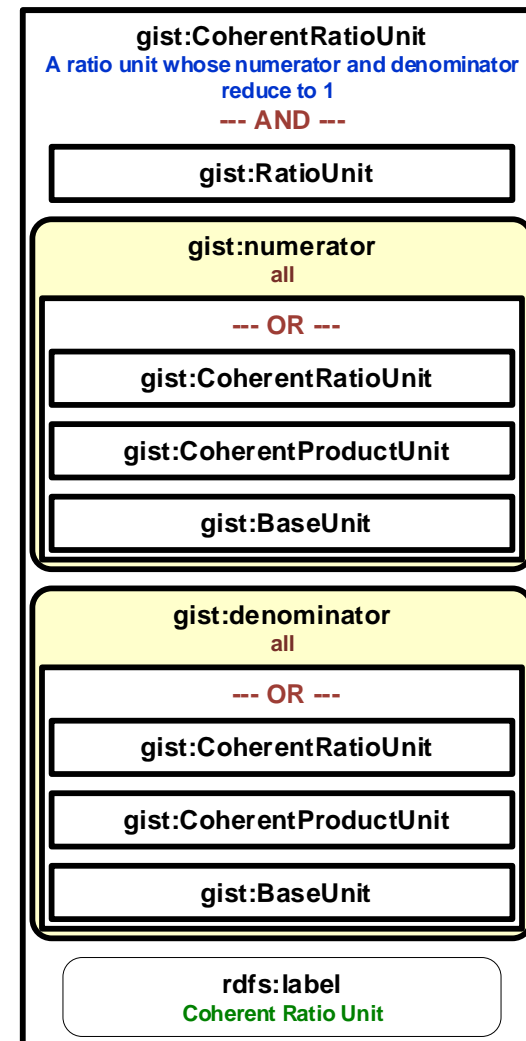
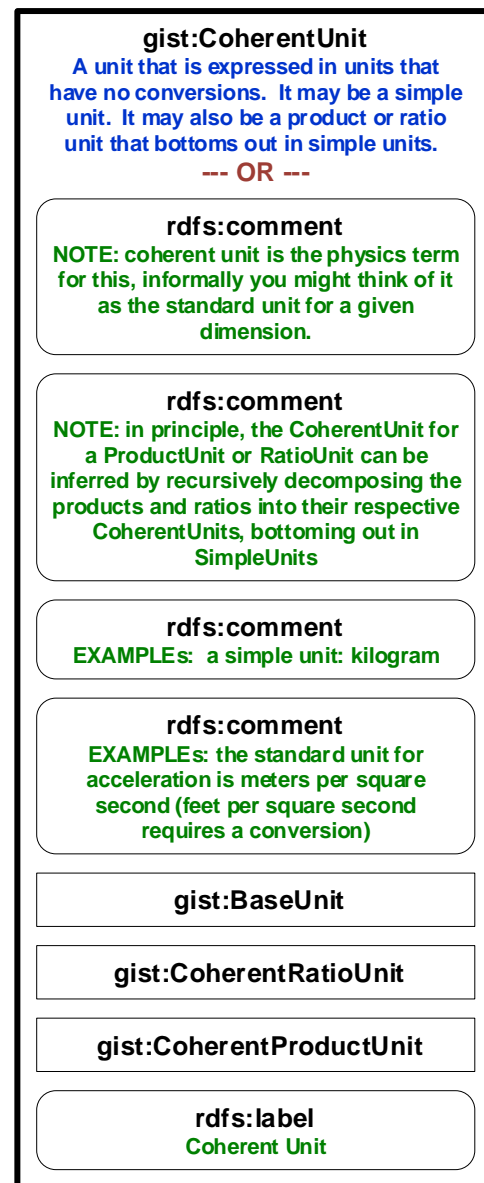
gist	<a href="https://ontologies.semanticarts.com/gist/">https://ontologies.semanticarts.com/gist/</a>
------	---

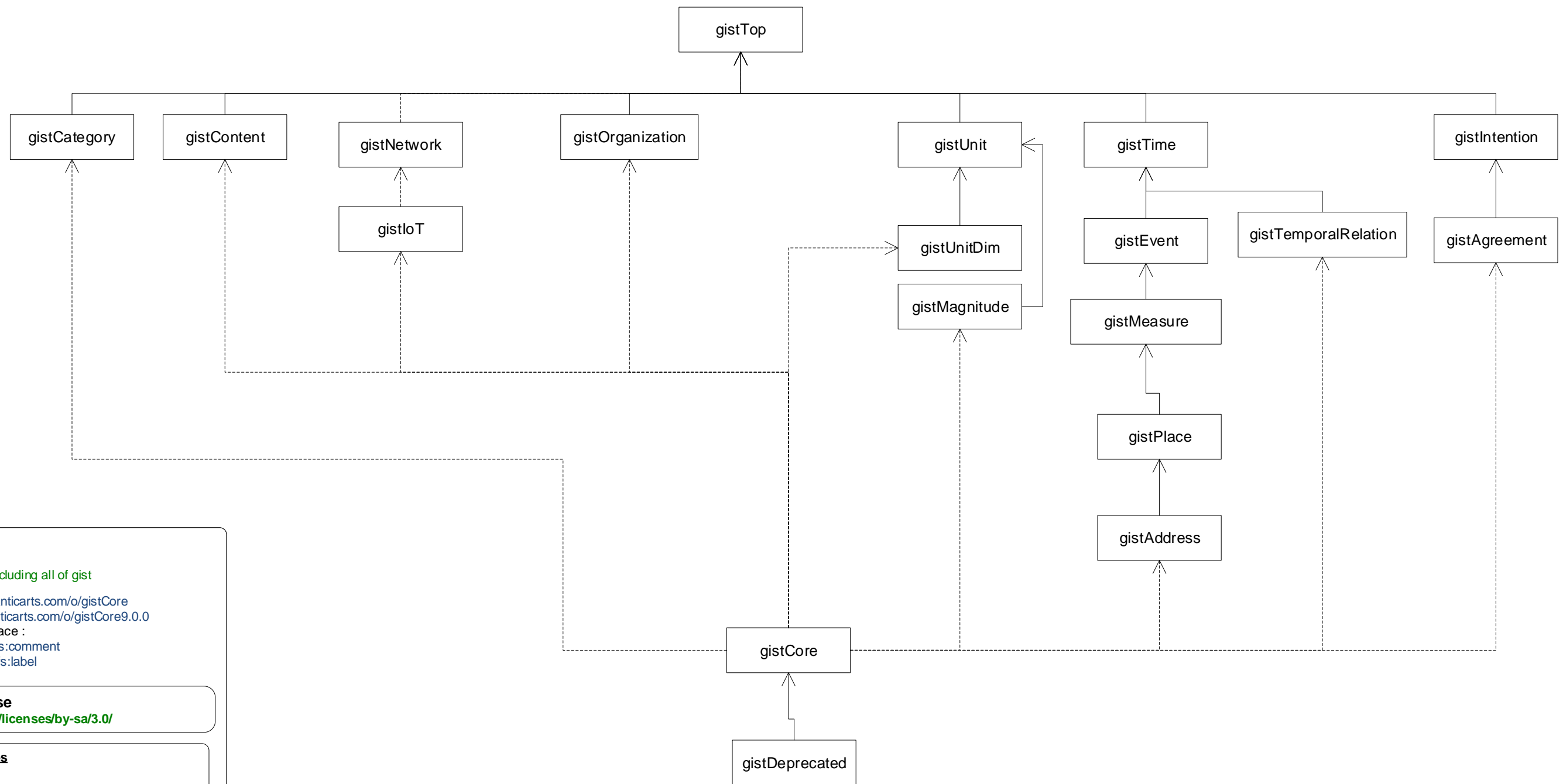
### Imports

URI :	<a href="https://ontologies.semanticarts.com/o/gistUnit9.0.0">https://ontologies.semanticarts.com/o/gistUnit9.0.0</a>
Location :	<a href="#">gistUnit9.0.0.owl</a>

### gist:license

<https://creativecommons.org/licenses/by-sa/3.0/>









Change Log Management

-As you work, record changes on the change log as version X.x until it is time to save out a release (internal or external)  
-Then, before saving out a release, update all change log entries marked as "X.x" to the version number you are about to save out (this should be all changes since last release)

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

gistX.x Change Log

gist9 Change Log

9.0.0	11/27/2018	42 issues from git went into this release many of which were not backward compatible hence 9.0.0
9.0.0	11/27/2018	Most are in the gistCouncil persentation of 12/6/2018
9.0.0	12/6/2018	Also changed gist:occuredAt to gist:occurAt
9.0.0	3/27/2019	changed gistoccurAt to gist:occursAt
9.0.0	3/27/2019	PhysicalEvent changed it from occursAt GeoRegion to occursAt Place
9.0.0	3/27/2019	geoOccupies range changed from GeoRegion or GeoVolume to Place
9.0.0	3/27/2019	removed gist:preferredTerm (we can use skos:prefLabel if we need this)
9.0.0	3/27/2019	Relaxed exactly 1 to some values for RatioUnit and ProductUnit
9.0.0	3/27/2019	changed all namespaces from http: to https:

To be included in ChangeLog of next external release: