

Cartographic Projection

Linked Data for Libraries Cartographic Materials Working Group
Ontology Modeling Examples -- **Draft**, June 2017

Ontologies

```
@prefix bf: <http://id.loc.gov/ontologies/bibframe/> .  
@prefix cart: <http://geocartframe.org/> .  
@prefix rdau: <http://rdaregistry.info/Elements/u/> .  
@prefix rdfs: <http://www.w3.org/2000/01/rdf-schema#> .
```

Classes

bf:Projection

subclasses {based primarily on MARC Map format projection codes (008/22-23) /
(006/05-06)}:

cart:AzimuthalProjection

Named individuals:

cart:Aitoff

cart:Gnomic

cart:LambertAzimuthalEquidistant

cart:Stereographic

cart:GeneralVerticalNearSided

cart:ModifiedStereographicForAlaska

cart:ChamberlinTrimetric

cart:PolarStereographic

cart:AzimuthalSpecificTypeUnknown

cart:AzimuthalOther

subclasses:

cart:CylindricalProjection

Named individuals:

cart:Gall

cart:GoodesHomolographic

cart:LambertCylindricalEqualArea

cart:Mercator

cart:Miller

cart:Mollweide

cart:Sinusoidal

cart:TransverseMercator

cart:GaussKruger

cart:Equirectangular

- cart:Krovak
- cart:CassiniSoldner
- cart:ObliqueMercator
- cart:Robinson
- cart:SpaceObliqueMercator
- cart:CylindricalSpecificTypeUnknown
- cart:CylindricalOther

subclasses:

- cart:ConicalProjection

- Named individuals:

- cart:AlbersEqualArea
- cart:Bonne
- cart:LambertsConformalConic
- cart:EquidistantConic
- cart:Polyconic
- cart:ConicSpecificTypeUnknown
- cart:ConicOther

subclasses:

- cart:UnclassifiedProjection

- Named individuals:

- cart:Armadillo
- cart:Butterfly
- cart:Eckert
- cart:GoodesHomolosine
- cart:MillersBipolarObliqueConformalConic
- cart:VanDerGrinten
- cart:Dimaxion
- cart:Cordiform
- cart:LambertConformal

- cart:OtherProjection
- cart:ProjectionNotSpecified
- cart:NoAttemptToCode

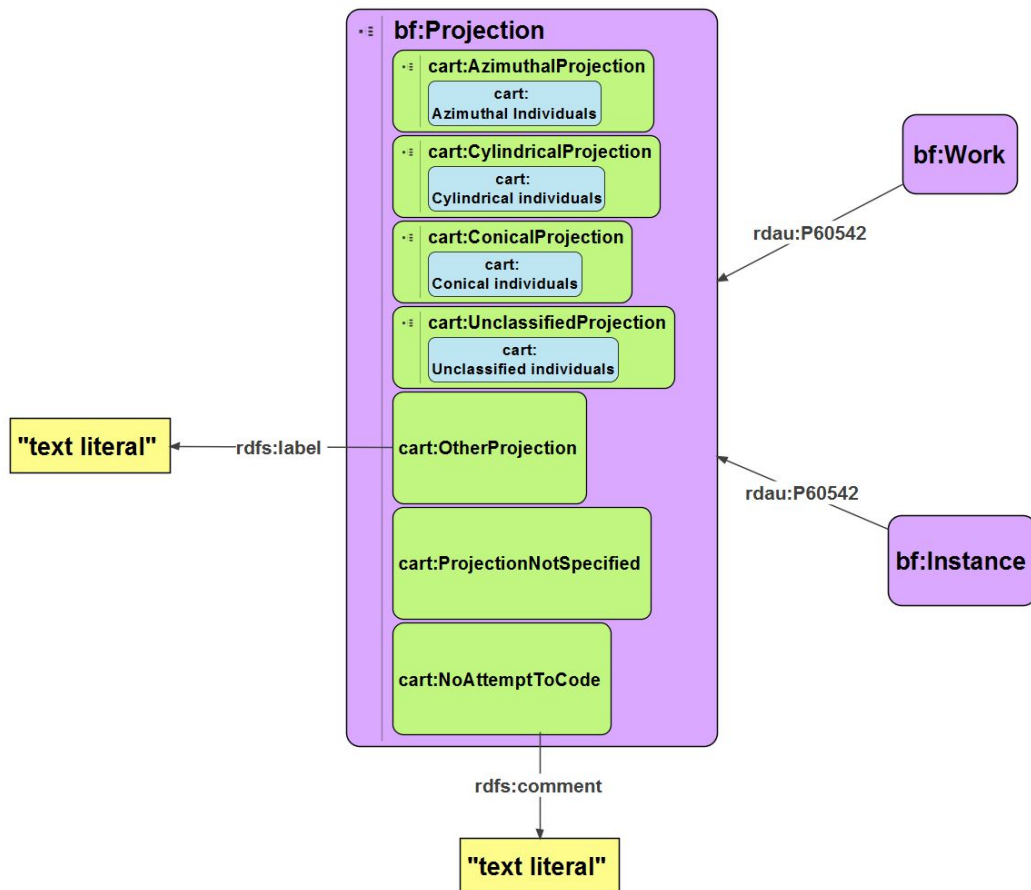
Object Properties

rdau:P60542 ["has projection of cartographic content"]

Data Properties

rdfs:comment
rdfs:label

Illustration



Paper Map Examples

Example 1 - Gauss projection.

:work1 rdau:P60542 :projection1 .

:projection1 a cart:GaussKruger .

Example 2 - transverse Mercator projection, central meridian 31° 13' 30" E

:work2 rdau:P60542 :projection2 .

:projection2 a cart:TransverseMercator ;
rdfs:comment "central meridian 31° 13' 30" E" .

Example 3 - Peirce quincuncial projection

:work3 rdau:P60542 :projection3 .

:projection3 a cart:OtherProjection ;
rdfs:label "Peirce quincuncial projection" .

Example 4 - Projection not identified

:work4 rdau:P60542 :projection4 .

:projection4 a cart:ProjectionNotIdentified .